

Von Duprin
2016
Product
Catalog

VON DUPRIN®

Delayed egress systems

CHEXIT, RCM & DE5300



Overview

The Von Duprin® CHEXIT is a delayed egress option available on all 98/99, 98/99XP and 33A/35A series exit devices. It is commonly used in behavioral health, memory care, and maternity applications to prevent patient abduction or elopement and in retail stores for asset protection. All control inputs, auxiliary locking, local alarm and remote signaling outputs are self-contained. The CHEXIT can easily be integrated with access control, fire prevention and infant protection systems.

The standard CHEXIT device sounds an alarm and keeps the door secured for 15 seconds following an exit attempt with immediate release upon fire alarm. Numerous configurable settings allow the CHEXIT to be customized based on specific application or code requirements.

Recently updated, the improved design of the CHEXIT makes installation and maintenance easier. The new motor driven blocking actuator is quiet and energy efficient, with an input current of only 1.25 amps and wire run up to 500 feet from the power transfer to power supply (14 AWG). Additional options were added including indefinite release delay to address 2015 IBC requirements for controlled egress.

The Remote CHEXIT Module (RCM) provides the same functionality for smaller door sizes by placing electronic components in a control box. Likewise, the DE5300 utilizes a control box, RX-LX low current request to exit panic device and a Schlage direct hold electromagnetic lock.

Features and benefits

- Available on all 98/99, 98/99XP and 33A/35A series exit devices
- Redesigned for easy and cost effective installation and maintenance
- Motor driven blocking actuator provides quiet and energy efficient operation
- Flexible field configurable functions, including: nuisance delay 0, 1, 2 or 3 seconds, audio sound level high/low, power up setting armed/disarmed
- Trim actuator/input for outside trim connection with selectable fail safe/secure setting
- Secure status relay output
- RCM and DE5300 available to accommodate a variety of door configurations and applications
- UL 294 Listed and meets 2015 IBC 1010.1.9.7 Delayed Egress and 1010.1.9.6 Controlled Egress and NFPA 7.2.1.6 Special Locking Arrangements

CHEXIT device

(with motor driven blocking actuator)

Available for 33/35 and 98/99 Series devices

The Von Duprin CHEXIT device is designed for controlled egress applications. It is UL 294 listed and meets 2015 International Building Code (IBC) sections 1010.1.9.7 Delayed Egress and 1010.1.9.6 Controlled Egress and National Fire Protection Associations (NFPA) sections 7.2.1.6 Special Locking Arrangements. All control inputs, auxiliary locking, local alarm and remote signaling outputs are self-contained in the CHEXIT assembly. Numerous configurable options allow the device to be customized for the specific code or application requirements. The standard CHEXIT device sounds an alarm and keeps the door secured for 15 seconds following an exit attempt with immediate release upon fire. Included with each device is a 6" x 20" decal for application on the door reading "PUSH UNTIL ALARM SOUNDS. DOOR CAN BE OPENED IN 15 SECONDS".

Minimum door opening sizes for CX devices

Consult factory for other size requirements.

Device	3' (914mm) Length	4' (1219mm) Length
CX33A/35A	2'10 3/4" (883mm)	3'4 3/4" (1035mm)
CX3327A/3327A-F/3527A/3527A-F	2'10 1/4" (870mm)	3'4 1/4" (1022mm)
CX3347A/3347A-F/3547A/3547A-F	2'10 1/4" (870mm)	3'4 1/4" (1022mm)
CX3348A/3348A-F/3548A/3548A-F	2'10 1/4" (870mm)	3'4 1/4" (1022mm)
CX3349A/3349A-F/3549A/3549A-F	2'10 1/4" (870mm)	3'4 1/4" (1022mm)
CX3350/3350WDC-F/ 3550/3550WDC-F	2'10 1/4" (870mm)	3'4 1/4" (1022mm)
CX98/98-F/99/99-F	2'10 3/4" (883mm)	3'4 3/4" (1035mm)
CX-XP98/XP98-F/XP99/XP99-F	2'10 3/4" (883mm)	3'4 3/4" (1035mm)
CX9827/9827-F/9927/9927-F	2'10 1/4" (870mm)	3'4 1/4" (1022mm)
CX9847/9847-F/9947/9947-F	2'10 1/4" (870mm)	3'4 1/4" (1022mm)
CX9848/9848-F/9948/9948-F	2'10 1/4" (870mm)	3'4 1/4" (1022mm)
CX9849/9849-F/9949/9949-F	2'10 1/4" (870mm)	3'4 1/4" (1022mm)
CX9850/9850WDC-F/ 9950/9950WDC-F	2'10 1/4" (870mm)	3'4 1/4" (1022mm)
CX9857/9857-F/9957/9957-F	2'10 1/4" (870mm)	3'4 1/4" (1022mm)
CX9875/9875-F/9975/9975-F	2'10 1/4" (870mm)	3'4 1/4" (1022mm)

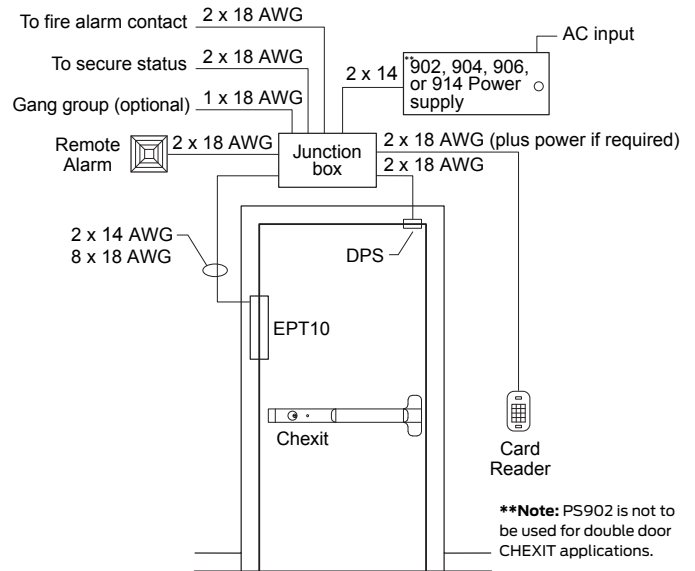


Figure 1. Riser Diagram, Single Door

Electrical specifications

Specifications / Power requirements*

Input voltage – 24VDC

Input current inrush – 1.25A

Input current holding – 390mA

Alarm relay and Secure relay contact ratings – 24VDC, 1A

Fire alarm, Inhibit and Door position switch inputs require normally closed dry contacts.

Power supply information for CX devices with motor driven blocking actuator*.

Power supply	Maximum number of devices*
PS902 (up to 2 amps)	1 CHEXIT device
PS904 (up to 4 amps)	3 CHEXIT devices
PS906 (up to 6 amps)	4 CHEXIT devices
PS914 (up to 4 amps)	4 CHEXIT devices

When powering multiple components, verify that the amperage requirements of all components combined does not exceed the power supply output rating. Consult Installation Instructions for proper wire gauge and wire run requirements. Exceeding the recommended devices and/or not following Installation Instructions may void your warranty. For more information call Customer Care at 877-671-7011.

How to order*

1. Prefix product description number "CX". Ex: CX99L
2. Specify option. Ex: CX-RCM or CD-CX
3. Door size other than 3' (914mm).
4. Door thickness other than 1 3/4" (45mm).
5. Finish.
6. Handing, LHR or RHR. Required with "CD" option.

*Note: The information listed in these pages reference the power supply and operating requirements for the redesigned CHEXIT with motor driven blocking actuator that launched August 24, 2015. For information on devices built previous to August 24, 2015, please contact Customer Care at 877-671-7011.

RCM Remote Chexit Module

Designed to provide the concept of the Chexit delayed exit system for door sizes smaller than the standard device can accommodate. The Chexit module is installed in a control box and mounted in a remote location. Features and functions of the standard Chexit exit device are available on the RCM.

Minimum door opening sizes for RCM devices

Consult factory for other size requirements.

Device	3' (914mm) Length	4' (1219mm) Length
CX-RCM33A/35A	2'5" (737mm)	2'11" (889mm)
CX-RCM3327A/3327A-F /3527A/3527A-F	2'4 1/2" (724mm)	2'10 1/2" (876mm)
CX-RCM3347A/3347A-F /3547A/3547A-F	2'4 1/2" (724mm)	2'10 1/2" (876mm)
CX-RCM3348A/3348A-F /3548A/3548A-F	2'4 1/2" (724mm)	2'10 1/2" (876mm)
CX-RCM3349A/3349A-F /3549A/3549A-F	2'4 1/2" (724mm)	2'10 1/2" (876mm)
CX3350/3350WDC-F/ 3550/3550WDC-F	2'4 1/2" (724mm)	2'10 1/2" (876mm)
CX-RCM 98/98-F/99/99-F	2'5" (737mm)	2'11" (889mm)
CX-RCM XP98/XP98-F/XP99/ XP99-F	2'5" (737mm)	2'11" (889mm)
CX-RCM 9827/9827- F/9927/9927-F	2'4 1/2" (724mm)	2'10 1/2" (876mm)
CX-RCM 9847/9847-F/9947/9947-F	2'4 1/2" (724mm)	2'10 1/2" (876mm)
CX-RCM 9848/9848-F/9948/9948-F	2'4 1/2" (724mm)	2'10 1/2" (876mm)
CX-RCM 9849/9849-F/9949/9949-F	2'4 1/2" (724mm)	2'10 1/2" (876mm)
CX-RCM 9850/9850WDC-F/ 9950/9950WDC-F	2'4 1/2" (724mm)	2'10 1/2" (876mm)
CX-RCM 9857/9857-F/9957/9957-F	2'4 1/2" (724mm)	2'10 1/2" (876mm)
CX-RCM 9875/9875-F/9975/9975-F	2'5 1/2" (743mm)	2'11 1/2" (902mm)

Specifications / Power requirements*

Size – 3.75" x 5.57" x 2.50"

Input voltage – 24VDC

Input current inrush – 1.25A

Input current holding – 390mA

Alarm relay and Secure relay contact ratings – 24VDC, 1A

Fire alarm, Inhibit and Door position switch inputs require normally closed dry contacts.

How to order

See Chexit "How to order" on previous page.

*Note: The information listed in these pages reference the power supply and operating requirements for the redesigned RCM modules with motor driven blocking actuator that launched August 24, 2015. For information on devices built previous to August 24, 2015, please contact Customer Care at 877-671-7011.

DE5300 Delayed Egress System

DE5300 Delayed Egress System — Designed for controlled egress applications when used in conjunction with a magnetic lock. It meets both life safety and security needs, as well as the requirements of NFPA for "Special Locking Arrangement" and IBC "Special Egress-Control Devices". All control units, auxiliary locking, local alarm and remote signaling outputs are self-contained in the DE5300 assembly.

The DE5300 is commonly used on narrow stile doors where a standard or narrow stile Chexit is not practical. DE5300 Delayed Exit System uses a Chexit logic board and a Von Duprin RX-LC (low current request to exit) panic device to control a Schlage Electronics Direct Hold Magnetic Lock.

The Chexit module for the DE5300 is installed in a control box and mounted in the wall adjacent to the door. Features and functions of the standard Chexit exit device are available on the DE5300.

Specifications / Power requirements*

Size – 3.75" x 5.57" x 2.50"

Input voltage – 24VDC

Input current – 1A

Alarm relay and Secure relay contact ratings – 24VDC, 1A

Fire alarm, Inhibit and Door position switch inputs require normally closed dry contacts.

How to order

1. DE5300
2. M420/P, M450/P, or M490/P magnetic lock
(order direct from Schlage Electronics).
3. RX-LC 22/33A/35A/98/99 device.
4. PS900 Series
5. EPT-2/10

CHEXIT, Remote Chexit Module (RCM) and DE5300 features

The Chexit, RCM and DE5300 devices have several features and options available to fit your needs.

Inputs & Outputs

Fire Alarm Input

Releases the door immediately upon a fire alarm allowing immediate egress. The Internal Alarm can be silenced during a fire input via an onboard switch setting.

Inhibit Input (Access Control)

Optional input provides authorized egress or entry when the device is Armed using an external card reader, Key Switch, etc. Also allows remote reset of the Chexit, RCM or DE5300 in an alarmed condition. The ability to reset alarms with the inhibit input can be disabled via an onboard switch setting.

Door Position Switch Input

An optional DPS can provide door position status additional security, ensuring that the door is closed, and can cause alarm when the door is left or forced open.

Gang Bus

The Gang bus allows a device to signal other Chexit, RCM or DE5300 devices when it enters the Release Delay, allowing multiple doors to release at the same time in an emergency. Up to 8 devices may be connected to the Gang Bus.

Alarm Relay Contacts

Control a Remote Alarm, such as a horn or lamp, or signal an external monitor. The contacts can be configured with a jumper as Normally Open or Normally Closed, and become active upon entering an alarmed condition.

Secure Relay Contacts

Signal an external monitor. The contacts can be configured as Normally Open or Normally Closed with a jumper, and become active when the DPS indicates the door is closed and the Push Pad is locked.

Delays

Release Delay

When the Push Pad is actuated and the Nuisance Delay expires, the device enters the Release Delay with alarm. During the Release Delay, the Internal Alarm sounds, the Alarm Relay activates, and the device remains locked for 15 seconds (less any time already elapsed during the Nuisance Delay). Once started, the Release Delay sequence will not stop and the devices will unlock.

Nuisance Delay

The Nuisance Delay is the brief time a Push Pad can be accidentally actuated before the Release Delay sequence starts. If the Nuisance Time is set to 0 seconds the device will enter Release Delay as soon as the Push Pad is actuated (when armed). Setting the Nuisance Time to 1, 2, or 3 seconds allows the Push Pad to be pressed for 1 to 3 seconds before the device goes into Release Delay. If the Nuisance Audio and Nuisance Delay are both on, the Internal Alarm will pulse during the Nuisance Delay. The Alarm Relay does not activate during the Nuisance Delay. If the Push Pad is released before the Nuisance Delay expires, the device will remain armed.

Rearm Delay

The amount of time after the Key Switch or Inhibit Input is deactivated to when the device rearms. It is designed to give someone time to pass through the door before rearming occurs. The Rearm Time can be changed via the onboard switch settings from 0 and 28 seconds in 2 second increments. If the Rearm Time is set to 30 seconds and a DPS is used, if the door is opened and the Rearm Time expires, there will be no alarm. The device will rearm after the door is closed. If the door never opens, the device will rearm after 30 seconds. If not using a DPS, the device will always rearm in 30 seconds.

DPS Delay

If the DPS detects that the door closed during the Rearm Delay, the device ends the Rearm Delay and allows 2 seconds for the latch to clear the strike before rearming.

Interface

Key Switch

Provides the means to Arm or Disarm/Reset the device. Turning the Key Switch clockwise initiates the Rearm Delay, and turning the Key Switch counter-clockwise Disarms/Resets the device. The Key Switch allows the key to be removed in either the Arm or the Disarm/Reset position.

Status Indicator

The red Status Indicator flashes slow if the device is armed, flashes fast in an alarmed mode, is off when inhibited and on solid during Rearm Delay.

Internal Alarm

The Internal Alarm sounds continuously during and after a fire alarm or a Release Delay, pulses fast during the Nuisance Delay or a tamper and pulses slow during Disarmed Powerup mode.

Settings

Armed Powerup

When set to OFF, a power disruption and power return will put the device in a disarmed, unlocked alarm mode.

Trim Fail Safe / Fail Secure (FS/FSE)

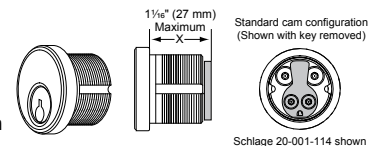
The trim input power can be set to FS (Fail Safe; locked when energized, unlocked when deenergized or during power failure) or FSE (Fail Secure; unlocked when energized, locked when deenergized or during power failure). The trim must be bought or modified to physically function as FS or FSE. This on board setting only selects the trim input power.

Options

Cylinder dogging — Special center case cylinder dogging option is available to allow push/pull operation of the Chexit, when disarmed and used in a heavy traffic area. Prefix device with "CD" and specify handing.

Cylinders — Cylinders are not furnished with the Chexit, RCM or DE5300 devices and must be specified when ordering. Use 1 1/4" mortise cylinder with compression ring K510-406 with straight cam and orient cam as shown. Schlage cylinder 20-001-114 recommended for the device and the CD cylinder dogging option.

See Schlage Pricebook for additional information.



About Allegion

Allegion (NYSE: ALLE) is a global pioneer in safety and security, with leading brands like CISA®, Interflex®, LCN®, Schlage® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion produces a range of solutions for homes, businesses, schools and other institutions. Allegion is a \$2 billion company, with products sold in almost 130 countries. For more, visit www.allegion.com.

VON DUPRIN®

QEL exit device

A quieter way
to make an entrance.

Recent studies show a change of shift at a hospital can reach an unhealthy 113 decibels (dB). To put that into perspective, a symphony orchestra plays at 110 dB. This noise can cause patients to lose sleep, have a higher blood pressure and/or heart rate, and be more disappointed with the hospital services as a whole. Not only are patients receiving negative symptoms, but caregivers become more stressed and fatigued in a noisier environment. Hospitals are doing everything they can to eliminate excess noise to keep their patients and employees happy and healthy!

That's where Von Duprin steps in.

When the QEL is used in place of standard electronic latch retraction, the noise level can be reduced to that of a quiet conversation.

Contact your local Allegion representative to learn how the QEL can have a positive impact on your patient satisfaction scores. Visit www.allegion.com, or give us a call 877-671-7011.



Designed for easier, quieter performance.

Hospital nurseries and patient rooms, libraries, museums and theaters require electrified hardware that operates at whisper-quiet levels. The new Von Duprin QEL couples the reliability and high performance Von Duprin is known for, with quieter operation that won't disrupt meetings, performances or study. In fact, Von Duprin offers one of the quietest entrance/exit solutions when paired with our mechanical and electronic products.



QEL Enhancements

Modular design. Allows you to upgrade your openings without replacing your existing exit device. A variety of kits are available to meet your specific needs - from retrofitting your mechanical devices to upgrading your solenoid driven EL devices.

You can upgrade an EL to a QEL without changing the Von Duprin or Schlage power supply. If you're tired of the noisy solenoid driven EL's, you can upgrade to a QEL without ordering any new boards for your power supply.

The lower power requirements allow for 4X the wire run. The power supply and QEL device can now be up to 800 ft. away from each other. This allows customers to conveniently mount their power supply with more options, and even centralize them in certain cases.

The new QEL is compatible with any Schlage or Von Duprin power supply through the use of a 900-2RS board. The QEL will also work with an existing PS873 power supply.

Available for 33A/35A, 94/95 and 98/99 series exit devices.

Features and Benefits

Quietest operation both mechanically and electrically.

Motor driven latch retraction paired with the "Quiet One" make the QEL Von Duprin's quietest latch retraction solution. Healthcare patients, students, and front office administrators all deserve a quiet environment.

Auto adjust latch retraction. This feature allows for the latch throw and pull to be adjusted automatically, no manual adjustments are required.

On-board Diagnostics. The QEL board has electronic LED's that provide visual indication if it's installed incorrectly or encounters errors.

Push pad is pulled in electronically when activated. This provides a visual indication that the device is dogged and operating properly.

Second try activation. If the QEL experiences any interference it will attempt to retract the device a second time!

Vandal Resistance. When the push pad is forcefully pull out while it's retracted, the QEL will pull the push pad back in to keep the opening retracted. If this happens 3 times it will leave the opening in the non-retracted state for a few moments, and then retract the device again.

To learn more, visit www.allegion.com, or give us a call 877-671-7011.

CITATIONS:

"The Healing Power Of Silence." CBSNews. CBS Interactive, 11 Feb. 2009. Web. 21 Sept. 2012. <http://www.cbsnews.com/2102-204_162-1653740.html?tag=contentMain>.

Moeller, Nicklas. "Achieving Effective Acoustics in Hospitals." Achieving Effective Acoustics in Hospitals. N.p., 02 Aug. 2012. Web. 21 Sept. 2012. <<http://www.hconews.com/print/35554>>.

"Soundproofing & More Soundproofing! Products, Tips and Free Expertise - Decibel Chart." Soundproofing & More Soundproofing! Products, Tips and Free Expertise - Decibel Chart. N.p., n.d. Web. 24 Sept. 2012. <<http://www.controlnoise.com/decibel-chart/>>.

About Allegion

Allegion (NYSE: ALLE) creates peace of mind by pioneering safety and security. As a \$2 billion provider of security solutions for homes and businesses, Allegion employs more than 8,000 people and sells products in more than 120 countries across the world. Allegion comprises more than 25 global brands, including strategic brands CISA®, Interflex®, LCN®, Schlage® and Von Duprin®.

For more, visit www.allegion.com

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VON DUPRIN®

6300 Series

Surface mounted strike for rim exit devices



Overview

Von Duprin electric strikes are known for their reliability, durability and security. The 6300 Series strike is designed to withstand abuse. Its heavy-duty stainless steel construction is fully UL1034 and UL10C listed and meets ANSI/BHMA Grade 1.

The 6300 Series strike is designed for use with a variety of rim exit devices. As an electrified strike, it allows remote release of a locked door by activating a movable lip (keeper) using an entry/exit button or credential reader and can be a cost effective means for managing access. It is ideal for aftermarket applications and designed to install without modifying or altering the door frame.

Designed for fail-secure (FSE) only mode, the 6300 Series strike achieves compliance with UL10C for 3-hour fire-rated openings. It also enables field-selectable 12 or 24 VDC with AC conversion optional.

To assure the proper selection of an electric strike on new applications, lockset compatibility charts are shown on the next page. When using a lockset not listed or when retrofitting a strike to an existing application, please contact Von Duprin Technical Support for application assistance.

Features and benefits

- Designed for use with rim exit devices
- Heavy-duty stainless steel construction in BHMA 630 satin finish
- Surface mounted - requires no alteration or cutting to existing frame
- Field selectable voltage 12VDC or 24VDC
- Plug-in voltage connectors included for ease of installation and removal during strike servicing
- Non-handed design provides greater flexibility
- Suitable for interior and exterior doors
- UL10C 3-hour fire-rated (fail secure only)
- UL 1034 listed for burglary-resistant electric door strikes
- Meets ANSI/BHMA A156.31, Grade 1 for endurance and dynamic strength
- Meets ANSI/BHMA A156.31, Grade 1, 1500 lbs static strength
- Dynamic strength 70 ft-lbs
- Endurance 2,000,000 cycles

6300 Series power requirements

Model	Voltage	Current	Duty	Amps	Ohms
6300	12V	DC	Continuous	0.50	22
6300	24V	DC	Continuous	0.24	89

Continuous duty = Energized 1 minute or more

Rim exit device compatibility 6300 strikes

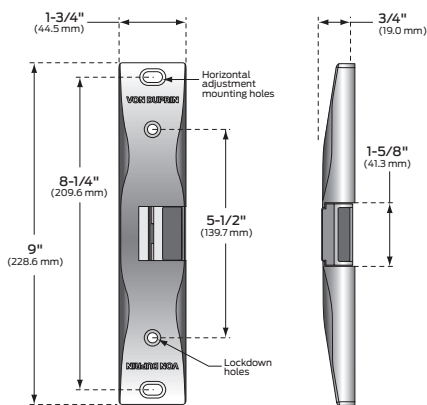
Manufacturer	Model Number
Von Duprin	VD 22/22-F Rim
Von Duprin	VD 33A/35A Rim*
Von Duprin	VD 55 Rim
Von Duprin	VD 88 Rim
Von Duprin	VD 98/99 and 98/99-F Rim
Falcon	Falcon 24/24-F Rim*
Falcon	Falcon 25/25-F Rim
Falcon	Falcon 19/19-F Rim
Falcon Doromatic	Falcon Doromatic 1590*
Falcon Doromatic	Falcon Doromatic 1790*
Falcon Doromatic	Falcon Doromatic 2090*

*Stile and frame condition may affect compatibility.

Model specifications

Model number	6300
Retrofits model	N/A
Latchbolt throw	3/4"
Face plate length	9"
Projection	3/4"
Lockset	Rim exit device
Number of doors	Single or pair with mullion
Door/frame type	Hollow metal, aluminum and wood
EB (entry buzzer)	Optional
Certifications	UL1034, UL10C

Application notes Surface mounted electric strike ideal for aftermarket applications. Strike designed for use with Von Duprin 98/99, however it can be used with most rim exit devices.

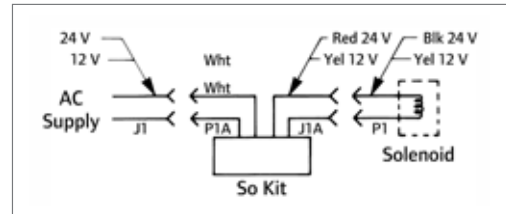


About Allegion

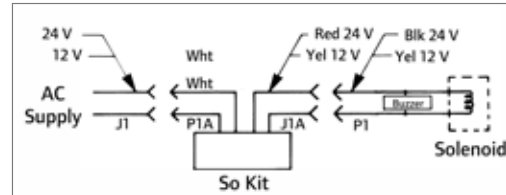
Allegion (NYSE: ALLE) is a global pioneer in safety and security, with leading brands like CISA®, Interflex®, LCN®, Schlage® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion produces a range of solutions for homes, businesses, schools and other institutions. Allegion is a \$2 billion company, with products sold in almost 130 countries. For more, visit www.allegion.com.

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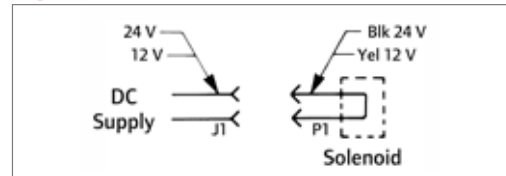
AC



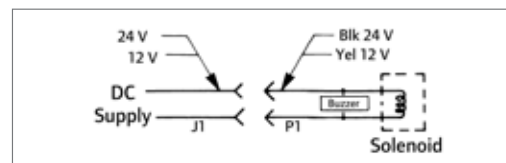
AC with buzzer



DC



DC with Buzzer



Ordering information

6300-S024-EB

Model	Rectifier kit*	Buzzer*
1	2	3

* Optional

Selections correspond with the numbers above

1	Model
6300	Surface mounted strike for rim exit devices
2	Rectifier kit (optional)
S012	Converts 12 VAC voltage to 12 VDC to operate the solenoid
S024	Converts 24 VAC voltage to 24 VDC to operate the solenoid
3	Buzzer (optional)
EB	Entry buzzer

Standard features

- Power failure mode: Fail-secure only (FSE)
- Voltage: field selectable 24 VDC or 12 VDC
- Finish: stainless steel, satin (BHMA 630/US32D)



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VON DUPRIN®

Exit Alarm Kit

With added features and reengineered design, the new Von Duprin Alarm Kit provides versatility for new or existing applications in any environment.

The upgraded Alarm Kit features increased efficiency and provide the performance you have come to expect from Von Duprin while adding improved user interface to allow fast and accurate onsite monitoring and diagnostics. Whatever the environment, the Von Duprin Alarm Kit provides peace of mind in any setting.



Features that make the difference

ALK Alarm Kit is a simple and effective way to deter unauthorized use of an emergency exit door. Ideal for use on perimeter doors in restaurants, libraries, retail stores and many other commercial business applications.

Kits are available for 98, 99, 33A, 35A and 22 series exit devices and for all mounting types; rim, mortise and vertical rod. The kit is self-contained and replaces an existing dogging cover. Install is simple; remove the end cap and bracket, slide the dogging cover out and insert the ALK kit. Re-install the end cap and bracket, and the installation is complete.

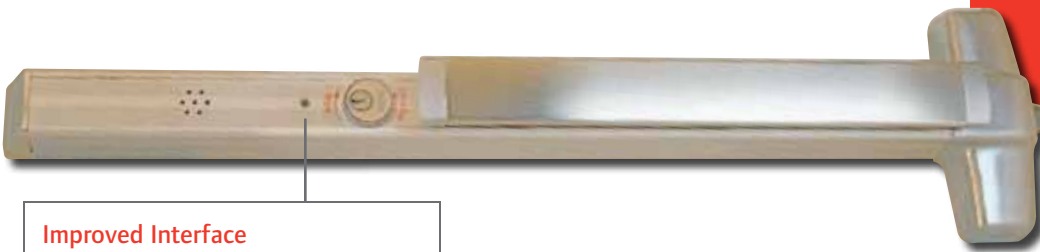
Arming and disarming operation is by use of a standard 1-1/4" mortise cylinder.

Hardwire Installation:

The new ALK assembly includes both a 24VDC input and External Inhibit feature. For continuous operation, the ALK is compatible using the popular PS-902 or other 24VDC power supplies. The External Inhibit provides remote arming and dis-arming.

New ALK Battery Operated Alarm Kit offers enhanced features:

- LED to signal when armed/disarmed.
- Low battery notification.
- Tested for extreme temperature environments from -35 to 153 degrees.
- Improved battery life and efficiency.
- 24V DC input or 9V battery
- External Inhibit input



Improved Interface

LED display notifies when armed

Retrofittable

Retrofits Von Duprin ALK in current or older 98/99 models

External Inhibit

Now comes as a standard feature

Optional Battery

Can be used to power unit or act as back up



24V DC Input

Powered by PS902 or other 24V sources

Low Battery Notification

Unit will alert user when battery life is low

Find out more securitytechnologies.ingersollrand.com



VON DUPRIN®

6100 Series

Strikes for rim exit devices



Overview

Von Duprin electric strikes are known for their reliability, durability and security. The 6100 Series strikes are designed to withstand abuse. Their heavy-duty stainless steel construction is UL1034 listed and meets ANSI/BHMA Grade 1.

6100 Series electric door strikes are designed for use with a variety of rim exit devices including rim nightlatch. Electrified strikes allow remote release of a locked door by activating a movable lip (keeper) using an entry/exit button or credential reader and can be a cost effective means for managing access. 6100 Series strikes come standard as 24 VDC in fail secure mode. 12 VDC and AC operation can be selected, as can fail safe mode and other options that enable you to configure these strikes to fit your exact needs.

Use 6100 Series electric strikes for retrofit applications or new construction. To assure the proper selection of an electric strike on new applications, lockset compatibility charts are shown on the next page. When using a lockset not listed or if retrofitting a strike to an existing application, please contact Von Duprin technical support for application assistance.

Features and benefits

- Five configurations available for rim exit and nightlatch devices
- Heavy-duty stainless steel construction
- Strike box allows horizontal adjustment to compensate for misalignment of the door or frame
- 24 VDC standard with 12 VDC and AC operation optional
- Two-piece plug connectors are furnished for ease of installation and removal during strike servicing
- Options include rectifier kit for VAC to VDC conversion, dual monitor switches, entry buzzer and Allegion Connect wire extension
- Six popular finishes available to suite with existing hardware
- Suitable for interior or exterior doors
- UL 10C 3-hour fire-rated electric strike (models 6111, 6112 and 6113)
- UL 1034 listed for burglary-resistant electric door strikes
- Meets ANSI/BHMA A156.31, Grade 1 for endurance and dynamic strength
- Meets ANSI/BHMA A156.31, Grade 1, 1500 lbs static strength
- Dynamic strength 70 ft lbs
- Endurance 1,000,000 cycles



Model specifications

Model number	6111	6112	6113	6114	6121	
Retrofits model	VD 3031	FA 310-4	VD 3011 VD 3021	FA 310-5	FA 310-4-100	
Latchbolt throw	3/4"	3/4"	3/4"	3/4"	3/4"	
Face plate length	6"	9"	6"	7 1/2"	9 1/8"	
Backbox depth	1 5/8"	1 11/16"	1 15/16"	N/A	N/A	
Lockset	Rim exit device	Rim exit device	Rim exit device	Rim nightlatch	Rim exit device	
Number of doors	Single	■	■	■	---	
	Double door with mullion	■	---	---	---	
	Double door without mullion	---	---	---	■	
Door/frame type	Hollow metal	■	■	■	■	
	Aluminum	■	■	■	■	
	Wood	■	■	■	---	■
Options	Blade stop shim	Yes	No	Yes	No	No
	DS or DS-LC (dual monitor switches)	Yes	Yes	Yes	Yes	Yes
	EB (entry buzzer - fail-secure only)	Yes	Yes	Yes	Yes	Yes
Certifications	UL 1034	■	■	■	■	■
	UL 10C Single Door	3 hour	3 hour	3 hour	---	---
	UL 10C Pair Door*	90 minutes	90 minutes	90 minutes	---	---
	ANSI/BHMA 156.31	Meets Grade 1, 1500 lbs static strength; 70 ft lbs dynamic strength; 1,000,000 cycles endurance				
Application notes	1	2	3	4	5	

*With manufacturer's mullion.

Note: 16 VDC and 28 VDC solenoid are sold as replacement parts for existing strikes. Please contact customer care for details.

Application notes:

- 1/2" projection blade stop shim 010055-XX available for use on cased opening or blade stop frames. Specify when using 55 rim devices. May also be used with vertical rod exit devices noted on previous page x Pullman latch LBR (non-fire rated).
- When used to replace Folger Adam 310-4, minor frame prep modification required.
- 1/2" projection blade stop shim 010055-XX available for use on cased opening or blade stop frames (non-fire rated).
- Surface applied strike designed to replace Folger Adam 310-5 with different mounting hole locations from Folger Adam.
- Designed to mount on inactive leaf.

Rim exit device compatibility 6111, 6112, 6113 & 6121 strikes

Manufacturer	Device
Von Duprin	22, 33A, 35A, 55 ¹ , 88, 98, 99 8827 LBR ⁴ x Pullman latch Non-Fire rated 9827 LBR ⁴ x Pullman latch Non-Fire rated 9927 LBR ⁴ x Pullman latch Non-Fire rated
Falcon Monarch ²	XX-R, 18-R, 19-R, 24-R, 25-R
Falcon Doromatic	1790
Precision ²	2100
Sargent	2800, 6500, 6800, 8500, 8800, 9500, 9800 ³ , 9898
Yale	1500, 700

- Strike must be factory modified, specify when using with a 55 Rim device.
- Deadlocking feature will not properly function, consult factory.
- Panic only, not fire-rated.
- 6111 is recommended for LBR applications.

Note: When using a lockset not listed or when retrofitting an existing application, please contact Von Duprin technical support for application assistance.

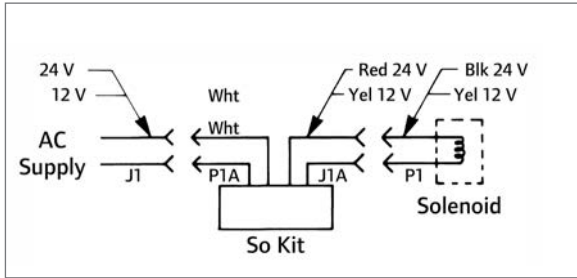
6100 Series power requirements

Models	Voltage	Current	Duty	Amps	Ohms
All	12V	DC	Continuous	0.60	21
All	24V	DC	Continuous	0.33	83

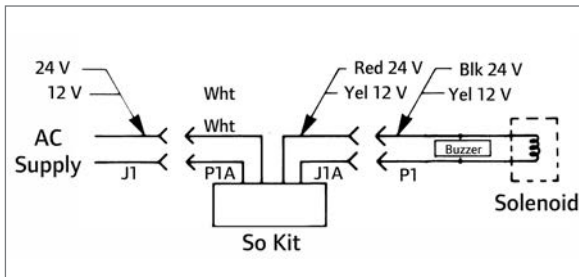
Continuous duty = Energized 1 minute or more

Wiring

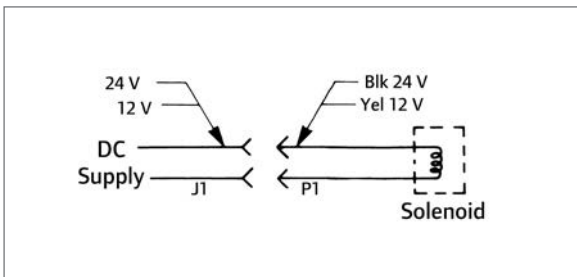
AC



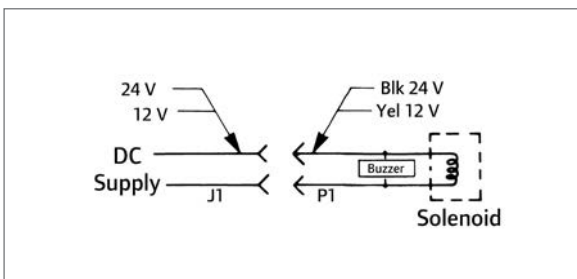
AC with buzzer



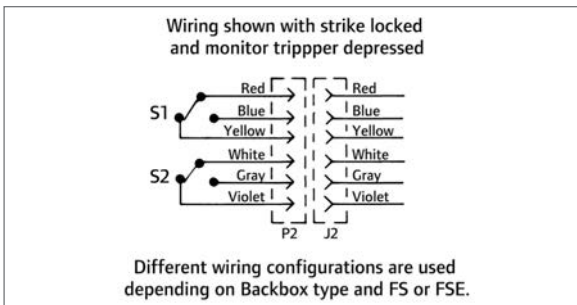
DC



DC with Buzzer

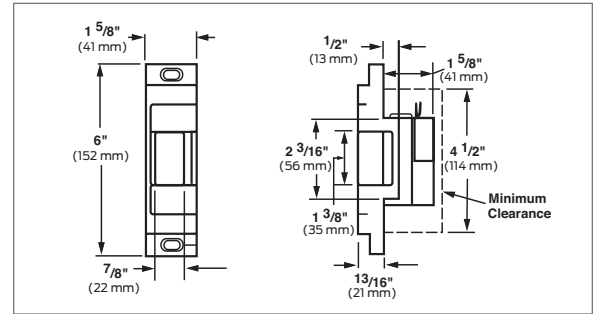


Optional DS (FSE Shown)

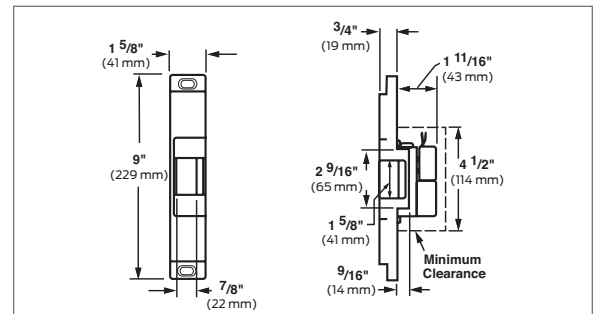


Dimensions

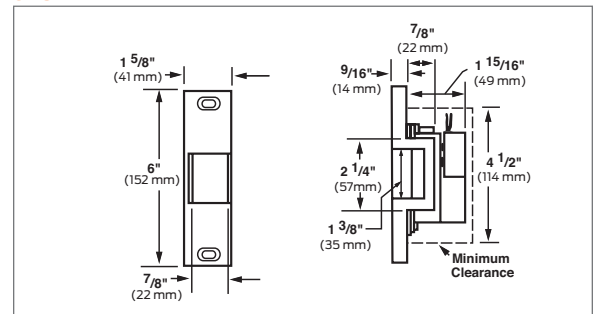
6111



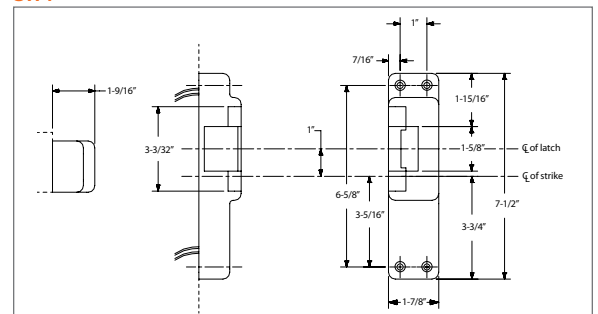
6112



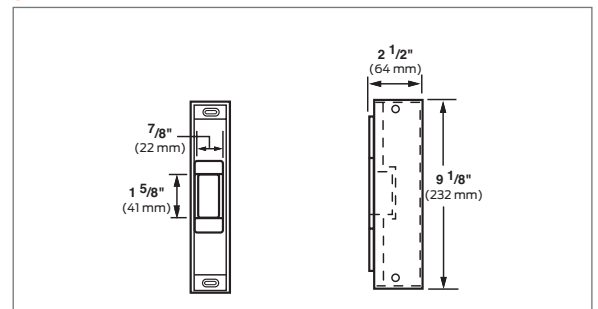
6113



6114



6121



Ordering information

6112-FSE-DS-24-S024-US3-EB-CON

Model	Power failure mode	Dual switch*	Voltage	Rectifier kit*	Finish	Buzzer*	Allegion Connect*
1	2	3	4	5	6	7	8

* Optional

Selections correspond with the numbers above

1	Model
Reference specification chart to make the proper model selection	
2	Power failure mode
FSE	Fail-secure. Requires power to be applied to unlock the strike lip. On loss of power, the strike lip is locked. Fire-rated.
FS	Fail-safe. Requires power to be applied to lock the strike lip. On loss of power, the strike lip is unlocked. Non-fire-rated.
3	Dual switch (optional)
DS	Monitors latch bolt and lock status. DS switches rated for 24 VDC at .050 - 2.0 amps.
DS-LC	Low current option for computer monitoring. Monitors latch bolt & lock status. DS-LS switches rated for 24 VDC at .050 amp or less.
4	Voltage (VDC)
24	Low voltage DC power
12	Low voltage DC power
If AC power is required, specify rectifier kit.	
5	Rectifier kit (optional)

S012	Converts 12 VAC voltage to 12 VDC to operate the solenoid
S024	Converts 24 VAC voltage to 24 VDC to operate the solenoid
6	Finish
US3	Plated polished brass on stainless steel
US4	Plated satin brass on stainless steel
US10	Plated satin bronze on stainless steel
US10B	Plated dark bronze, oil rubbed on stainless steel
BHMA 629/US32	Stainless steel, polished
BHMA 630/US32D	Stainless steel, satin
7	Buzzer (optional)
EB	Entry Buzzer
Only available if Fail-Secure (FSE) is specified.	
8	Allegion Connect
CON	Allegion Connect Connector
6 in. wire extension harness available	

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About Allegion

Allegion (NYSE: ALLE) is a global pioneer in safety and security, with leading brands like CISA®, Interflex®, LCN®, Schlage® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion produces a range of solutions for homes, businesses, schools and other institutions. Allegion is a \$2 billion company, with products sold in almost 130 countries. For more, visit www.allegion.com.

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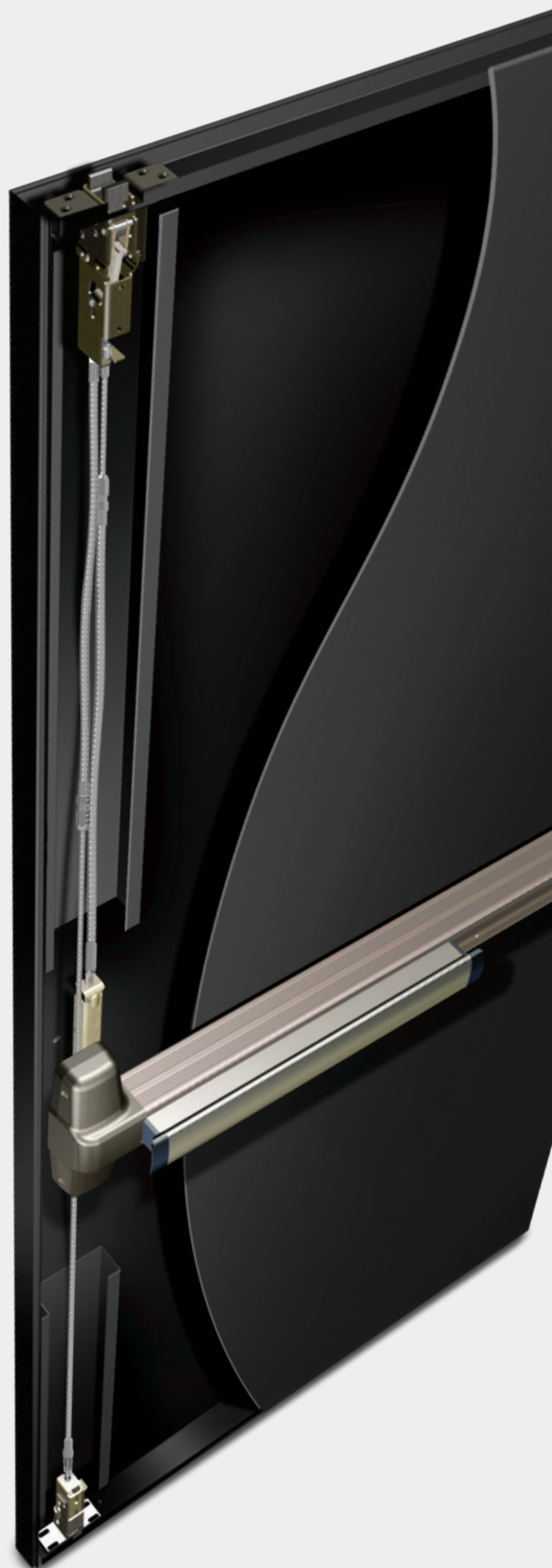
Concealed vertical cable system

Concealed vertical cable system for
33/3549A and 98/9949 devices

Overview

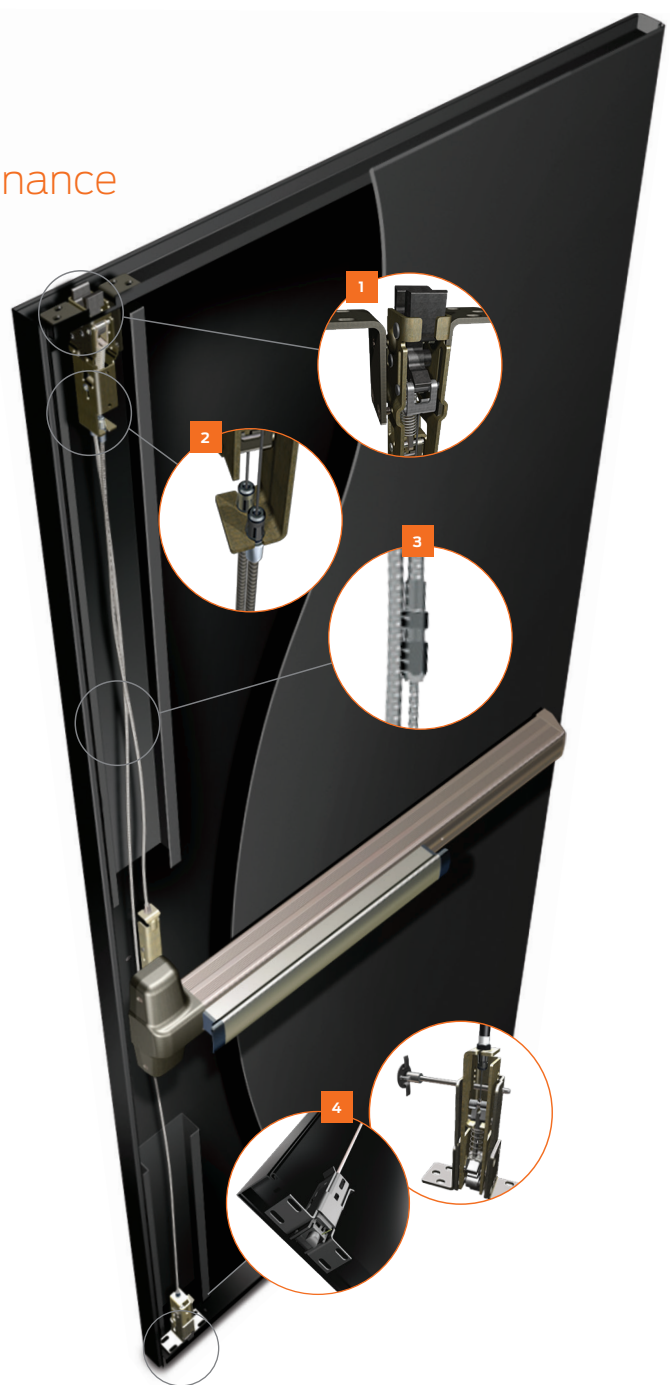
The revolutionary patent pending concealed vertical cable (CVC) system that replaces traditional rods and makes life easier for installers, architects and everyone who walks through the door.

This system uses proven cable technology in a whole new way, giving doors that require a vertical exit device the same strength and security in a system that's easy to install and maintain. No longer are you tied to a specific door length or centerline requirement. Our cables are field sizeable and allow for variances in centerline height. Designed for use with Von Duprin 98/99 and 33A/35A Series exit devices, the CVC system provides greater security for the opening, with the streamlined aesthetics that architects and customers prefer.



No rods, field sizeable,
installs in minutes, hassle-free maintenance

- 1 Top latch with greater than 90-degree bolt-to-strike engagement enhances security.**
The “U” shaped latchbolt provides greater security and deadlocking without the need for an auxiliary latch or unsightly latch release hardware.
- 2 Unique cable system eliminates the challenges of traditional rods.**
 - Flexible, stainless steel, enclosed cable system installs as one assembly
 - Cable flex allows you to adjust your exit device centerline, even if it's not aligned with the top and bottom latches
 - Color-coordinated cables easily snap into latches, taking the guesswork out of installation
- 3 Field sizeable, stainless steel cables with Teflon® liner prevent corrosion and increase system strength.**
Newly designed cable system allows cables to be sized while at the door. Minimizes sizing errors and provides peace of mind knowing you have the right cable, everytime.
- 4 Bottom latch height adjustable with door hanging.**
Latch height is easily adjustable through the side of the door with a spring pin while the door is hanging. Greater than 90-degree bolt-to-strike engagement increases security.



A solution that meet's everyone's needs

Available options: All current 98/99 and 33/35A mechanical, electrical and trim options (Exception TL and TL-BE).

Replacement parts available: Inner cable available as replacement part.

Available configurations: Standard full-length cable assembly or available less bottom latch (LBL).

Integrated Steelcraft solution: Cable system can be ordered pre-installed direct from Steelcraft.

Compliance: NFPA 101, NFPA 5000, NFPA 80, IBC, NBCC, FBC, ADA, NEC Class 2.

Mechanical certifications: UL305, CAN/ULC-S132, UL 10C, BHMA A156.03.

Electrical certifications: UL294 Delayed Egress, BHMA A156.24, CSFM Delayed Egress.

About Allegion

Allegion (NYSE: ALLE) creates peace of mind by pioneering safety and security. As a \$2 billion provider of security solutions for homes and businesses, Allegion employs more than 8,000 people and sells products in more than 120 countries across the world. Allegion comprises more than 25 global brands, including strategic brands CISA®, Interflex®, LCN®, Schlage® and Von Duprin®. For more, visit www.allegion.com.

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VON DUPRIN®

88 Series

Exit device



Introduction

The proper selection and application of exit hardware, in addition to safety, are major concerns to all responsible manufacturers. Exit devices are a critical part of a door opening or access system and will provide safe and reliable service when properly applied and maintained. It is the policy of Von Duprin, to design and manufacture exit devices to a high standard of quality and reliability in accordance with the accepted U.S. Domestic and international standards. All 88 Series exit devices are UL listed for Accident Hazard and Fire Exit Hardware, and are tested in accordance to ANSI A156.3, 2008, Grade I.

Unusual operating conditions and environments and other external influences can affect the proper application of the products represented. Modifications of these products will also affect UL listings. It is recommended that whenever an unusual application condition exists, or when any modification of a product is considered, our engineers review the application. Application engineering services are available to help ensure proper selection or to review any areas where users of Von Duprin products may have questions.

It is intended that the information included in this publication, when properly used, will provide clear and reliable guidelines to the proper general selection and application. However, the scope of the information is necessarily limited.

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Options and accessories

Applications & trim operation	Double door applications Door handing Outside trim operation Lever styles	Electrical accessories	E8875 E373I-BE
Trim options		Device accessories	Axle security pin Cover plates Cylinders Optional levers Power supplies Vertical rod and latch guard
Strike options/ Stile information	Strike application/minimum stile strikes for rim devices	Additional information	ANSI grade, type & function Function conversion kit UL listed - fire exit hardware label opening
		Finishes	Standard & special finishes

Symbols

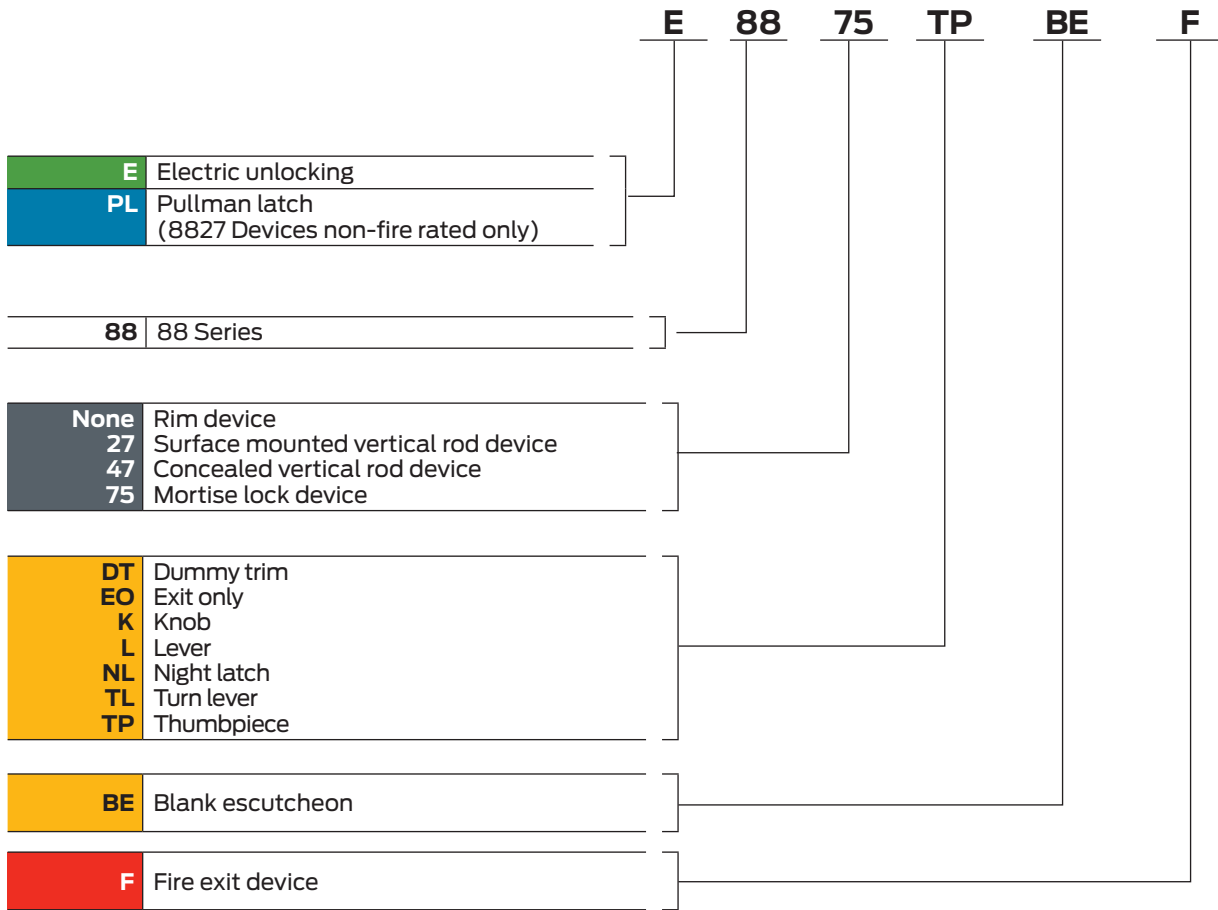


Indicates fire rated application



Indicates ADA products

How to order



Rim and mortise lock devices, specify:

- Exit device model number with trim selection. Examples: 88EO (Exit only with no outside trim). 88TP (Includes standard 880TP thumbpiece trim). 88TP x 608TP (Includes the optional 608TP thumbpiece trim).
- Door width if greater than 4' (1219 mm).
- Door thickness if other than 1 3/4" (44 mm).
- Door and frame material if other than hollow metal.
- Finish
- Handing required on "L" function, "F" fire devices. Specify LHR or RHR. See diagram below.
- "SNB" when using sex nuts and bolts.

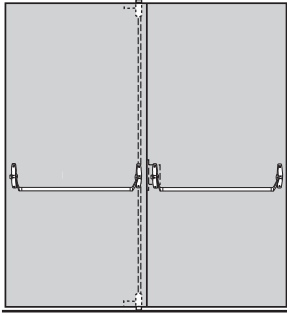
Vertical rod devices, specify:

- Exit device number with trim selection. Examples: 8827EO (Exit only, no outside trim). 8827TP (Includes 880TP thumbpiece trim). 8827TP x 608 TP (Includes the optional 608TP thumbpiece trim).
- Door width of greater than 4' (1219 mm).
- Door thickness if other than 1 3/4" (44 mm).
- Door and frame material if other than hollow metal.
- Door height if greater than 7' (2134 mm), extension rods must be ordered. (One piece top rod available)
- Finish
- Handing, LHR or RHR, required on "L" function. Specify LHR or RHR. See diagram below.
- "SNB" when using sex nuts and bolts..

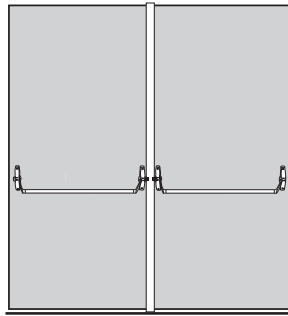
Pullman latches are optional for 8827 devices. Latchbolts remain extended at all times. Specify "Pullman Latch" when required. (Normally used with an electric strike and less bottom rod)

Popular double door applications

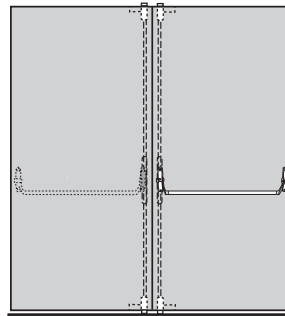
Double door applications



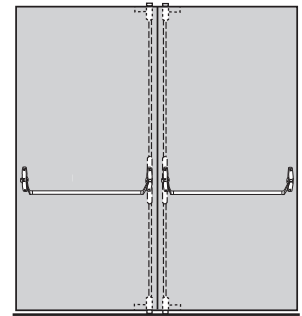
Mortise lock and vertical rod device combination — same direction



Two rim devices with mullion — same direction

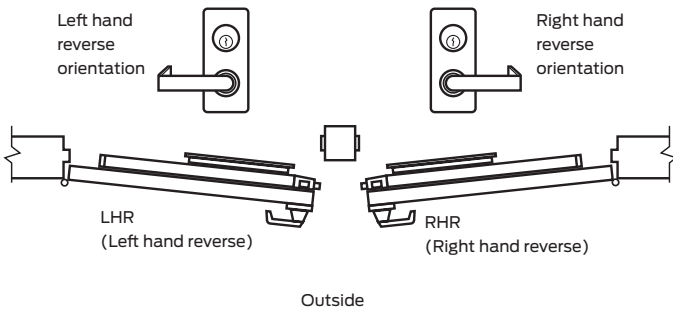


Two vertical rods — double egress



Two vertical rod devices — same direction (do not use with overlapping astragal)

Door handing



Outside trim operation

Trim operation lever

Standard operation



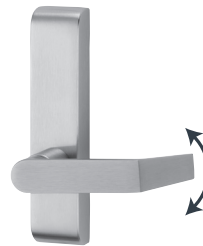
Key locks and unlocks lever.

NL Function



Lever will be locked when key is removed.

Blank escutcheon



Lever always active. BE suffix, E.G., 371L-BE.



Key retracts latch bolt, knob is rigid.

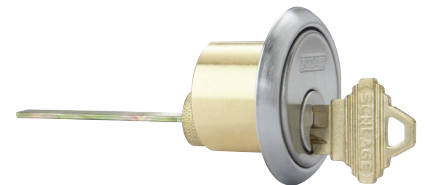
K-NL function trim is locked when key is removed.

Available with 88 Rim only. To order trim, specify 880K-NL-R.

Cylinder options



Mortise — 3215 (Schlage B502-191 cams)



Rim — 3216

Lever styles

Standard levers



01



02
Knurling available



03*
Knurling available



06*
Default lever
Knurling available



07



12
(Handed)



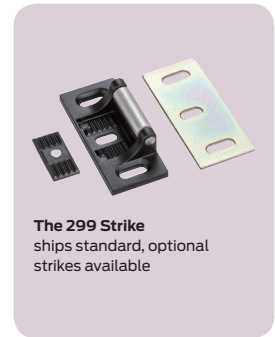
17*
Knurling available

88 Rim exit device



88 rim devices for all types of single and double doors with mullion, UL listed for accident hazard installations. Covers stock hollow metal doors with 86 or 161* cutouts. This device is field reversible.

Finishes – US26, US26D, US3, US4, US10B, US10, SPBLK



The 299 Strike ships standard, optional strikes available

Hex key dogging comes standard on 88 Rim exit devices



Specifications






Device functions	Device ships EO, DT, NL, TP, L, K
Handing	Field reversible
Crossbar length	42" (1067 mm) field sizeable
Device centerline	39 ¹³ / ₁₆ "
Crossbar centerline to finished floor	36 ¹³ / ₁₆ " (935 mm) at center
Lock stile case	8 ¹ / ₄ " X 2 ³ / ₄ " X 1 ⁵ / ₁₆ " (210 mm x 70 mm x 24 mm)
Hinge stile case	6" X 1 ³ / ₄ " X 1 ⁵ / ₁₆ " (152 mm x 44 mm x 24 mm)
Crossbar tubing	1" (25 mm) outside diameter
Projection	Neutral – 4 ³ / ₄ " (121 mm) Depressed – 4" (102 mm)
Latch bolt	3/4" (19 mm), throw
Fasteners	All necessary mounting fasteners are included.
Electrical options	RX Crossbar monitor switch in end case E Electric unlocking (BE trim only)
Mechanical options	RCB Reinforced crossbar KN Knurled crossbar
Strikes	299 - Dull black

* Not applicable with all strike and mullion combinations, consult factory.






RX
Crossbar monitor switch

- Signals use of an opening
- SPDT switch to monitor crossbar

Standard trims

	EO	NL 	TP 	DT 	K 	L 
	Exit only	Night latch Key retracts latchbolt	Key locks thumbpiece	Dummy trim Pull when dogged	Key locks knob	Key locks lever #06 Standard
Product description	88EO	88NL	88TP	88DT	88K ^{1,2,3}	88L ^{1,2,4,5,6,7}
Trim description	—	880NL-R	880TP-R	880DT-R	880K-R	373L
Escutcheon plate size	—	3" x 14 ³ / ₁₆ " x ³ / ₃₂ "	3" x 14 ³ / ₁₆ " x ³ / ₃₂ "	3" x 14 ³ / ₁₆ " x ³ / ₃₂ "	3" x 14 ³ / ₁₆ " x ³ / ₃₂ "	3" x 14 ³ / ₁₆ " x ³ / ₃₂ "
Grip mounting center	—	5 ¹ / ₂ "	5 ¹ / ₂ "	5 ¹ / ₂ "	—	6 ¹ / ₄ "
Projection	—	2"	2"	2"	2 ³ / ₄ "	2 ⁵ / ₈ "
ANSI function	01	03	05	02	08	08/09
Cylinder type	—	Rim	Rim	—	Rim	1 ¹ / ₄ " Mortise
Sex bolt quantity #425 (optional)	8	4	4	4	4	4

Optional trims

	NL 	TP 	DT 	K 	EO 
	Night latch Key retracts latchbolt	Key locks thumbpiece	Dummy trim Pull when dogged	Key locks knob	Exit only
Product description	88NL x 608NL	88TP x 608TP	88DT x 608DT	88K x 606K ^{1,2,3,5}	88L x 880EO
Trim description	608NL-R	608TP-R	608DT-R	606K-R	880EO-R
Escutcheon plate size	1 ⁵ / ₈ " x 13 ¹ / ₂ " x ³ / ₁₆ "	1 ⁵ / ₈ " x 13 ¹ / ₂ " x ³ / ₁₆ "	1 ⁵ / ₈ " x 13 ¹ / ₂ " x ³ / ₁₆ "	1 ⁵ / ₈ " x 8 ³ / ₄ " x ³ / ₁₆ "	3" x 14 ³ / ₁₆ " x ³ / ₃₂ "
Grip mounting center	5 ¹ / ₂ "	5 ¹ / ₂ "	5 ¹ / ₂ "	—	—
Projection	2 ¹ / ₆ "	2 ¹ / ₆ "	2 ¹ / ₆ "	2 ³ / ₄ "	—
ANSI function	03	05	02	08	01
Cylinder type	Rim	Rim	—	Rim	—
Sex bolt quantity #425 (optional)	NR	NR	NR	NR	4

¹ If no cylinder operation is required, specify "BE" blank escutcheon, trim always operable; example 88TP-BE.

² Matching dummy trim available, use suffix "DT"; example 88K-DT.

³ Night latch function available, order 88NL x 880K-R rigid.

⁴ When using sex bolts, an 889 cover plate is required. See page 24.

⁵ When using on wood doors without sex bolts, "WDA" cover plate is required. See page 24.

⁶ Not available with E88.

⁷ The 373L is shipped L. An NL cylinder plate is also furnished standard (for operation only when key is used).

NR-Not recommended

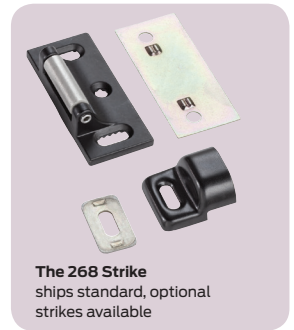
Notes

88-F Rim fire exit device



88-F fire exit rim devices for all types of 4' X 8' (1219 mm X 2438 mm) single and 8' X 8' (2438 mm x 2438 mm) double doors with 9954 mullion, UL listed, 3 hours. This device is handed.

Finishes – US26, US26D, US3, US4, US10B, US10, SPBLK



The 268 Strike ships standard, optional strikes available

Specifications

Device functions	Device ships EO, NL, TP, L, K	
Handing	Handed	
Crossbar length	42" (1067 mm) field sizable	
Device centerline	39 ¹³ / ₁₆ "	
Crossbar centerline to finished floor	36 ¹³ / ₁₆ " (935 mm) at center	
Lock stile case	8 ¹ / ₄ " X 2 ³ / ₄ " X 1 ⁵ / ₁₆ " (210 mm x 70 mm x 24 mm)	
Hinge stile case	6" X 1 ³ / ₄ " X 1 ⁵ / ₁₆ " (152 mm x 44 mm x 24 mm)	
Crossbar tubing	1" (25 mm) outside diameter	
Projection	Neutral – 4 ³ / ₄ " (121 mm) Depressed – 4" (102 mm)	
Latch bolt	Deadlocking – 3/4" (19 mm), throw	
Fasteners	All necessary mounting fasteners are included.	
Electrical options	RX	Crossbar monitor switch in end case
	E	Electric unlocking (BE trim only)
Mechanical options	RCB	Reinforced crossbar
	KN	Knurled crossbar
Strikes	268 - Dull black	





RX

Crossbar monitor switch




- Signals use of an opening
- SPDT switch to monitor crossbar



Standard trims

	EO	NL	TP	K	L
					
	Exit only	Night latch Key retracts latchbolt	Key locks thumbpiece	Key locks knob	Key locks lever #06 Standard
Product description	88EO-F	88NL-F	88TP-F ¹	88K-F ^{1,5}	88L-F ^{1,2,3,4}
Trim description	—	880NL-R	880TP-R	880K-R	373L
Escutcheon plate size	—	3" x 14 ³ / ₁₆ " x ³ / ₃₂ "	3" x 14 ³ / ₁₆ " x ³ / ₃₂ "	3" x 14 ³ / ₁₆ " x ³ / ₃₂ "	3" x 14 ³ / ₁₆ " x ³ / ₃₂ "
Grip mounting center	—	5 ¹ / ₂ "	5 ¹ / ₂ "	—	—
Projection	—	2"	2"	2 ³ / ₄ "	2 ⁵ / ₈ "
ANSI function	01	03	05	08	08/09
Cylinder type	—	Rim	Rim	Rim	1 ¹ / ₄ " Mortise
Sex bolt quantity #425 (optional)⁶	8	4	4	4	4

Optional trims

	NL	TP	L
			
	Night latch Key retracts latchbolt	Key locks thumbpiece	Key locks knob
Product description	88NL-F x 608NL	88TP-F x 608TP	88K-F x 606K ^{1,3}
Trim description	608NL-R	608TP-R	606K-R
Escutcheon plate size	1 ⁵ / ₈ " x 13 ¹ / ₂ " x ³ / ₁₆ "	1 ⁵ / ₈ " x 13 ¹ / ₂ " x ³ / ₁₆ "	1 ⁵ / ₈ " x 13 ¹ / ₂ " x ³ / ₁₆ "
Grip mounting center	5 ¹ / ₂ "	5 ¹ / ₂ "	—
Projection	2 ¹ / ₆ "	2 ¹ / ₆ "	2 ³ / ₄ "
ANSI function	03	05	08
Cylinder type	Rim	Rim	Rim
Sex bolt quantity #425 (optional)⁶	NR	NR	NR

¹ If no cylinder operation is required, specify "BE" blank escutcheon, trim always operable; example 88TP-F-BE.

² When using on composite or wood doors, an 889 cover plate is required. See page 24.

³ Not available with E88-F.

⁴ The 373L is shipped L. An NL cylinder plate is also furnished standard (for operation only when key is used).

⁵ Night Latch Function available, order 88NL-F x 880K-R Rigid.

⁶ Sex bolts must be used on wood or composite fire doors.

NR-Not recommended

Notes



8875 Mortise lock exit device



8875 mortise lock devices or all types of single or double doors, UL listed for accident hazard installations. Fits stock hollow metal doors with 86 cutouts and door stiles as narrow as 4 3/4" (121 mm). This device is field reversible but comes handed from factory. The 7500 mortise lock is equipped with a 3/4" (19 mm) anti-friction latch bolt which is field reversible without removing the lock from the door. It has a non-handed auxiliary bolt for deadlocking and a faceplate with an adjustable bevel. Field selection of functions are furnished standard. TP and K function may be field selected by turning down a set screw in mortise lock body. Electric locking or unlocking options are available.

Hex key dogging comes standard on 8875 Series mortise lock exit devices



Finishes – US26, US26D, US3, US4, US10B, US10, SPBLK

Specifications

Device functions	Device ships EO, DT, NL, TP, K, L	
Handing	Handed	
Crossbar length	42" (1067 mm) field sizable	
Device centerline	39 13/16"	
Crossbar centerline to finished floor	36 13/16" (935 mm) at center	
Latch bolt height to finished floor	40 3/32" (1018 mm) at center	
Lock stile case	8 1/4" x 2 x 15/16" (210 mm x 51 mm x 24 mm)	
Lock case	4 5/8" x 5 3/4" x 1 1/16" (117 mm x 146 mm x 27 mm)	
Faceplate	1 1/4" x 8" x 7/32" (32 mm x 203 mm x 6 mm)	
Cylinder backset	2 3/4" (70 mm)	
Hinge stile case	6" x 1 3/4" x 15/16" (152 mm x 44 mm x 24 mm)	
Crossbar tubing	1" (25 mm) outside diameter	
Projection	Neutral – 4 7/8" (124 mm) Depressed – 4" (102 mm)	
Latchbolt	Deadlocking - 3/4" (19mm) throw	
Fasteners and sex bolts (SBN)	Includes screw pack for 1 3/4" (44 mm) and 2 1/4" (57 mm) thick metal or wood doors. Sex nuts and bolts included.	
Electric options	RX	Crossbar monitor switch
	E8875	Electric mortise lock device
Mechanical options	RCB	Reinforced crossbar
	KN	Knurled crossbar
Strikes	575 - Dull black	

RX
Crossbar monitor switch






- Signals use of an opening
- SPDT switch to monitor crossbar

E8875
Electric mortise lock device






- Controls locking of the outside trim

8875 Mortise lock exit device

Standard trims

	EO	NL 	TP 	DT 	K 	L 
	Exit only	Night latch Key retracts latchbolt	Key locks thumbpiece	Dummy trim Pull when dogged	Key locks knob	Key locks lever #06 Standard
Product description	8875EO	8875NL	8875TP ¹	8875DT	8875K ^{1,2}	8875L ^{1,2,3,4,5,6}
Trim description	—	880NL-M	880TP-M	880DT-M	880K-M	373L
Escutcheon plate size	—	3" x 14 ³ / ₁₆ " x ³ / ₃₂ "	3" x 14 ³ / ₁₆ " x ³ / ₃₂ "	3" x 14 ³ / ₁₆ " x ³ / ₃₂ "	3" x 14 ³ / ₁₆ " x ³ / ₃₂ "	3" x 14 ³ / ₁₆ " x ³ / ₃₂ "
Grip mounting center	—	5 ¹ / ₂ "	5 ¹ / ₂ "	5 ¹ / ₂ "	—	6 ¹ / ₄ "
Projection	—	2"	2"	2"	2 ³ / ₄ "	2 ⁵ / ₈ "
ANSI function	01	03	05	02	08	08/09
Cylinder type	—	1 ¹ / ₄ " Mortise	1 ¹ / ₄ " Mortise	—	1 ¹ / ₄ " Mortise	1 ¹ / ₄ " Mortise
Sex bolt quantity #425 (optional)	8	4	4	4	4	4

Optional trims

	NL 	TP 	DT 	K 	EO 
	Night latch Key retracts latchbolt	Key locks thumbpiece	Dummy trim Pull when dogged	Key locks knob	Exit only
Product description	8875NL x 608NL	8875TP x 608TP	8875DT x 608DT	8875K x 606K ^{1,2}	8875L x 880EO
Trim description	608NL-M	608TP-M	608DT-M	606K-M	880EO-M
Escutcheon plate size	1 ⁵ / ₈ " x 13 ¹ / ₂ " x ³ / ₁₆ "	1 ⁵ / ₈ " x 13 ¹ / ₂ " x ³ / ₁₆ "	1 ⁵ / ₈ " x 13 ¹ / ₂ " x ³ / ₁₆ "	1 ⁵ / ₈ " x 8 ³ / ₄ " x ³ / ₁₆ "	3" x 14 ³ / ₁₆ " x ³ / ₃₂ "
Grip mounting center	5 ¹ / ₂ "	5 ¹ / ₂ "	5 ¹ / ₂ "	—	—
Projection	2 ¹ / ₆ "	2 ¹ / ₆ "	2 ¹ / ₆ "	2 ³ / ₄ "	—
ANSI function	03	05	02	08	01
Cylinder type	1 ¹ / ₄ " Mortise	1 ¹ / ₄ " Mortise	—	1 ¹ / ₄ " Mortise	—
Sex bolt quantity #425 (optional)	NR	NR	NR	NR	4

¹If no cylinder operation is required, specify "BE" blank escutcheon, trim always operable; example 8875TP-BE.

²Matching dummy trim available, use suffix "DT"; example 8875K-DT.

³When using sex bolts, an 889 cover plate is required. See page 24.

⁴When using on wood doors without sex bolts, "WDA" cover plate is required. See page 24.

⁵The 373L is shipped L. An NL cylinder plate is also furnished standard (for operation only when key is used).

⁶When used with E8875, no cylinder operation is available. Control furnished "BE".

NR-Not recommended

Notes

8875-F Mortise lock fire exit device



8875-F mortise lock fire exit devices for all types of 4' X 8' (1219 mm X 2438 mm) single and 8' X 8' (2438 mm x 2438 mm), UL listed, 3 hours. Fits door stiles as narrow as 4³/₄" (121 mm).

The 7500 mortise lock is field reversible without removing the lock from the door. It has a non-handed auxiliary bolt for deadlocking and a faceplate with an adjustable bevel. Field selection of functions are furnished standard. TP and K function may be field selected by turning down a set screw in mortise lock body. Electric locking or unlocking options are available.

Finishes – US26, US26D, US3, US4, US10B, US10, SPBLK

Specifications

Device functions	Device ships EO, NL, TP, K, L
Crossbar length	42" (1067 mm) field sizable
Device centerline	39 ¹³ / ₁₆ "
Crossbar centerline to finished floor	36 ³ / ₁₆ " (935 mm) at center
Latch bolt height to finished floor	40 ³ / ₃₂ " (1018 mm) at center
Lock stile case	8 ¹ / ₄ " x 2 x ¹⁵ / ₁₆ " (210 mm x 51 mm x 24 mm)
Lock case	4 ⁵ / ₈ " x 5 ³ / ₄ " x 1 ¹ / ₁₆ " (117 mm x 146 mm x 27 mm)
Faceplate	1 ¹ / ₄ " x 8" x ⁷ / ₃₂ " (32 mm x 203 mm x 6 mm)
Cylinder backset	2 ³ / ₄ " (70 mm)
Hinge stile case	6" x 1 ³ / ₄ " x ¹⁵ / ₁₆ " (152 mm x 44 mm x 24 mm)
Crossbar tubing	1" (25 mm) outside diameter
Projection	Neutral – 4 ⁷ / ₈ " (124 mm) Depressed – 4" (102 mm)
Latchbolt	Deadlocking - ³ / ₄ " (19mm) throw
Fasteners and sex bolts (SBN)	Includes screw pack for 1 ³ / ₄ " (44 mm) and 2 ¹ / ₄ " (57 mm) thick metal or wood doors. Sex nuts and bolts included.
Electric options	RX Crossbar monitor switch E8875 Electric mortise lock device
Mechanical options	RCB Reinforced crossbar KN Knurled crossbar
Strikes	575 - Dull black

RX
Crossbar monitor switch

- Signals use of an opening
- SPDT switch to monitor crossbar





E8875
Electric mortise lock device

- Controls locking of the outside trim








Standard trims

	EO	NL 	TP 	K 	L 
	Exit only	Night latch Key retracts latchbolt	Key locks thumbpiece	Key locks knob	Key locks lever #06 Standard
Product description	8875EO-F	8875NL-F	8875TP-F ¹	8875K-F ¹	8875L-F ^{1,2,3,4}
Trim description	—	880NL-M	880TP-M	880K-M	373L
Escutcheon plate size	—	3" x 14 ³ / ₁₆ " x 3 ³ / ₃₂ "	3" x 14 ³ / ₁₆ " x 3 ³ / ₃₂ "	3" x 14 ³ / ₁₆ " x 3 ³ / ₃₂ "	1 ¹ / ₁₆ " x 7 ¹ / ₂ " x 7 ⁷ / ₈ "
Grip mounting center	—	5 ¹ / ₂ "	5 ¹ / ₂ "	—	—
Projection	—	2"	2"	2 ³ / ₄ "	2 ⁵ / ₈ "
ANSI function	01	03	05	08	08/09
Cylinder type	—	1 ¹ / ₄ " Mortise	1 ¹ / ₄ " Mortise	1 ¹ / ₄ " Mortise	1 ¹ / ₄ " Mortise
Sex bolt quantity #425 (optional)	8	4	4	4	4

Optional trims

	NL 	TP 	L 
	Night latch Key retracts latchbolt	Key locks thumbpiece	Key locks knob
Product description	8875NL-F x 608NL	8875TP-F x 608TP ¹	8875K-F x 606K ¹
Trim description	608NL-M	608TP-M	606K-M
Escutcheon plate size	1 ⁵ / ₈ " x 13 ¹ / ₂ " x 3 ³ / ₁₆ "	1 ⁵ / ₈ " x 13 ¹ / ₂ " x 3 ³ / ₁₆ "	1 ⁵ / ₈ " x 13 ¹ / ₂ " x 3 ³ / ₁₆ "
Grip mounting center	5 ¹ / ₂ "	5 ¹ / ₂ "	—
Projection	2 ¹ / ₆ "	2 ¹ / ₆ "	2 ³ / ₄ "
ANSI function	03	05	08
Cylinder type	1 ¹ / ₄ " Mortise	1 ¹ / ₄ " Mortise	1 ¹ / ₄ " Mortise
Sex bolt quantity #425 (optional)	NR	NR	NR

¹ If no cylinder operation is required, specify "BE" blank escutcheon, trim always operable; example 8875TP-F-BE.

² When using on composite or wood doors, an 889 cover plate is required. See page 24.

³ The 373L is shipped L. An NL cylinder plate is also furnished standard (for operation only when key is used).

⁴ When used with E8875-F, no cylinder operation is available. Control furnished "BE".

⁵ Sex bolts must be used on wood or composite fire doors.

NR-Not recommended

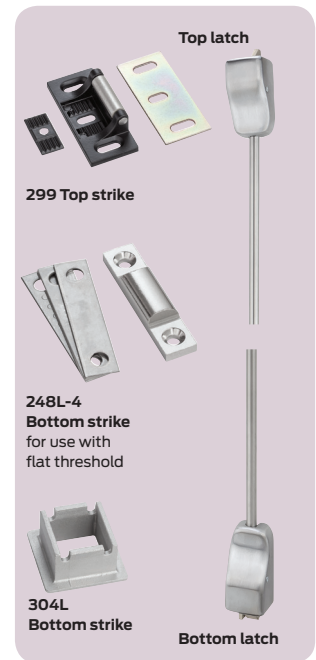
Notes

8827 Surface mounted vertical rod exit device



8827 surface mounted vertical rod devices for all types of single and double doors, UL listed for accident hazard installations. Covers stock hollow metal doors with 86 cutout and fits door stiles as narrow as 2½" (90 mm). This device is field sizable.

Finishes – US26, US26D, US3, US4, US10B, US10, SPBLK



Hex key dogging comes standard on 8827 Series surface mounted vertical rod exit device









RX
Crossbar monitor switch
 • Signals use of an opening
 • SPDT switch to monitor crossbar

Specifications


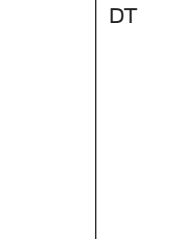


Device functions	Field reversible Device ships EO, DT, TP, K, L, TL
Crossbar length	42" (1067 mm) field sizable
Device centerline	39 ⁹ / ₁₆ "
Crossbar centerline to finished floor	36 ⁹ / ₁₆ " (935 mm) at center
Lock stile case	8 1/4" x 2 x ¹⁵ / ₁₆ " (210 mm x 51 mm x 24 mm)
Lock case	4 ³ / ₈ " x 5 ³ / ₄ " x 1 ¹ / ₁₆ " (117 mm x 146 mm x 27 mm)
Faceplate	1 ¹ / ₄ " x 8" x ⁷ / ₃₂ " (32 mm x 203 mm x 6 mm)
Cylinder backset	2 ³ / ₄ " (70 mm)
Hinge stile case	6" x 1 ³ / ₄ " x ¹⁵ / ₁₆ " (152 mm x 44 mm x 24 mm)
Crossbar tubing	1" (25 mm) outside diameter
Projection	Neutral – 4 ⁷ / ₈ " (124 mm) Depressed – 4" (102 mm)
Latchbolt	⁵ / ₈ " (16mm) throw
Fasteners and sex bolts (SBN)	Includes screw pack for 1 ³ / ₄ " (44 mm) and 2 ¹ / ₄ " (57 mm) thick metal or wood doors. Sex nuts and bolts included.
Rods/Latch guards	LBR (Less bottom rod) available for use with electric strike mounted in header and device supplied with pullman latch.
Electrical options	RX Crossbar monitor switch in end case E Electric unlocking (BE trim only)
Mechanical options	RCB Reinforced crossbar KN Knurled crossbar PL Pullman latch top and bottom
Strikes	Top 299 - Dull black Bottom 248L-4 and 304L - unfinished

Note: Maximum door undercut, 1/4" (6mm).

Standard trims

	EO	TP	DT	K	L	T
						
	Exit only	Key locks thumbpiece	Pull when dogged	Key locks knob	Key locks lever #06 Standard	Key locks thumbturn (Pull required)
Product description	8827EO	8827TP ^{1,2}	8827DT	8827K ^{1,2,3}	8827L ^{1,2,4,5,6}	8827TL ^{1,5,6}
Trim description	—	880TP-V	880DT-V	880K-V	373L	377T x 880DT-V
Escutcheon plate size	—	3" x 14 ³ / ₁₆ " x ³ / ₃₂ "	3" x 14 ³ / ₁₆ " x ³ / ₃₂ "	3" x 14 ³ / ₁₆ " x ³ / ₃₂ "	11 ¹ / ₁₆ " x 7 ¹ / ₂ " x ⁷ / ₈ "	11 ¹ / ₁₆ " x 7 ¹ / ₂ " x ⁷ / ₈ "
Grip mounting center	—	5 ¹ / ₂ "	5 ¹ / ₂ "	—	—	—
Projection	—	2"	2"	2 ³ / ₄ "	2 ⁵ / ₈ "	1 ¹³ / ₁₆ "
ANSI function	01	05	02	08	08/09	11/12
Cylinder type	—	Rim	—	Rim	1 ¹ / ₄ " Mortise	1 ¹ / ₄ " Mortise
Sex bolt quantity #425 (optional)	16	12	12	12	12	12

Optional trims

	TP	DT	K	EO
				
	Key locks thumbpiece	Dummy trim Pull when dogged	Key locks knob	Exit only
Product description	8827TP x 608TP1,3	8827DT x 608DT	8827K x 606K1,3	8827L x 880EO
Trim description	608TP-V	608DT-V	606K-V	880EO-V
Escutcheon plate size	1 ⁵ / ₈ " x 13 ¹ / ₂ " x ³ / ₁₆ "	1 ⁵ / ₈ " x 13 ¹ / ₂ " x ³ / ₁₆ "	1 ⁵ / ₈ " x 8 ³ / ₄ " x ³ / ₁₆ "	3" x 14 ³ / ₁₆ " x ³ / ₃₂ "
Grip mounting center	5 ¹ / ₂ "	5 ¹ / ₂ "	—	—
Projection	2 ¹ / ₆ "	2 ¹ / ₆ "	2 ³ / ₄ "	—
ANSI function	03	02	08	01
Cylinder type	Rim	—	Rim	—
Sex bolt quantity #425 (optional)	NR	NR	NR	12

¹ If no cylinder operation is required, specify "BE" blank escutcheon, trim always operable; example 8827TP-BE.

² Matching dummy trim available, use suffix "DT"; example 8827K-DT.

³ Can be furnished with NL action, thumbpiece or knob operates only when key is used. Use suffix NL; example 8827TP-NL.

⁴ When using sex bolts, an 889 cover plate is required. See page 24.

⁵ When using on wood doors without sex bolts, "WDA" cover plate is required. See page 24.

⁶ The 373L and 377T are shipped L or TL. An NL cylinder plate is also furnished standard (for operation only when key is used).

NR-Not recommended

Notes

8827-F Surface mounted vertical rod fire exit device



8827-F surface mounted vertical rod devices for all types of 8' X 8' (2438 mm x 2438 mm), UL listed, 3 hours. Fits door stiles as narrow as 3³/₄" (95 mm). This device is field reversible.

Finishes – US26, US26D, US3, US4, US10B, US10, SPBLK

Specifications

Device functions	Field reversible Device ships EO, TP, K, L, TL
Crossbar length	42" (1067 mm) field sizable
Device centerline	39 ⁹ / ₁₆ "
Crossbar centerline to finished floor	36 ⁹ / ₁₆ " (935 mm) at center
Lock stile case	8 1/4" x 2 x ¹⁵ / ₁₆ " (210 mm x 51 mm x 24 mm)
Lock case	4 ³ / ₈ " x 5 ³ / ₄ " x 1 ¹ / ₁₆ " (117 mm x 146 mm x 27 mm)
Faceplate	1 ¹ / ₄ " x 8" x ⁷ / ₃₂ " (32 mm x 203 mm x 6 mm)
Cylinder backset	2 ³ / ₄ " (70 mm)
Hinge stile case	6" x 1 ³ / ₄ " x ¹⁵ / ₁₆ " (152 mm x 44 mm x 24 mm)
Crossbar tubing	1" (25 mm) outside diameter
Projection	Neutral – 4 ⁷ / ₈ " (124 mm) Depressed – 4" (102 mm)
Latchbolt	⁵ / ₈ " (16mm) throw
Fasteners and sex bolts (SBN)	Includes screw pack for 1 ³ / ₄ " (44 mm) and 2 ¹ / ₄ " (57 mm) thick metal or wood doors. Sex nuts and bolts included.
Electrical options	RX Crossbar monitor switch in end case E Electric unlocking (BE trim only)
Mechanical options	RGB Reinforced crossbar KN Knurled crossbar PL Pullman latch top and bottom
Strikes	Bottom - 304L







RX
Crossbar monitor switch



- Signals use of an opening
- SPDT switch to monitor crossbar



Standard trims

	EO	TP 	K 	L 	T 
	Exit only	Key locks thumbpiece	Key locks knob	Key locks lever #06 Standard	Key locks thumbturn (Pull required)
Product description	8827EO-F	8827TP-F ^{1,5}	8827K-F ^{1,5}	8827L-F ^{1,2,4}	8827TL-F ^{1,2,4}
Trim description	—	880TP-V	880K-V	373L	377T x 880DT-V
Escutcheon plate size	—	3" x 14 ³ / ₁₆ " x ³ / ₃₂ "	3" x 14 ³ / ₁₆ " x ³ / ₃₂ "	1 ¹ / ₁₆ " x 7 ¹ / ₂ " x ⁷ / ₈ "	1 ¹ / ₁₆ " x 7 ¹ / ₂ " x ⁷ / ₈ "
Grip mounting center	—	5 ¹ / ₂ "	—	—	—
Projection	—	2"	2 ³ / ₄ "	2 ⁵ / ₈ "	1 ¹³ / ₁₆ "
ANSI function	01	05	08	08/09	11/12
Cylinder type	—	Rim	Rim	1 ¹ / ₄ " Mortise	1 ¹ / ₄ " Mortise
Sex bolt quantity #425 (optional) ⁶	16	12	12	12	12

Optional trims

	TP 	K 
	Key locks thumbpiece	Key locks knob
Product description	8827TP-F x 608TP	8827K-F x 606K ¹
Trim description	608TP-V	606K-V
Escutcheon plate size	1 ⁵ / ₈ " x 13 ¹ / ₂ " x ³ / ₁₆ "	1 ⁵ / ₈ " x 8 ³ / ₄ " x ³ / ₁₆ "
Grip mounting center	5 ¹ / ₂ "	—
Projection	2 ¹ / ₆ "	2 ³ / ₄ "
ANSI function	05	08
Cylinder type	Rim	Rim
Sex bolt quantity #425 (optional)	NR	NR

¹ If no cylinder operation is required, specify "BE" blank escutcheon, trim always operable; example 8827TP-F-BE.

² When using on composite or wood doors, an 889 cover plate is required. See page 24.

³ When using on wood doors "WDA" cover plate is required. See page 24.

⁴ The 373L and 377T are shipped L or TL. An NL cylinder plate is also furnished standard (for operation only when key is used).

⁵ Can be furnished with NL action, thumbpiece of knob operates only when key is used. Used suffix NL; example 8827TP-NL-F.

⁶ Sex bolts must be used on wood or composite fire doors.

NR-Not recommended

Notes

8847-F Concealed vertical rod fire exit device



8847-F fire exit concealed vertical rod devices for all types of 8" x 8" (2438 mm x 2438 mm) double metal doors, UL listed, 3 hours and fits door stiles as narrow as 4³/₄" (121mm).

Finishes – US26, US26D, US3, US4, US10B, US10, SPBLK

Specifications



Device functions	EO, L, TL	
Handing	Field reversible	
Crossbar length	42" (1067 mm) field sizable	
Device centerline	39 ¹³ / ₁₆ "	
Crossbar centerline to finished floor	36 ¹³ / ₁₆ " (935 mm) at center	
Lock stile case	8 ¹ / ₄ " x 2 x ¹⁵ / ₁₆ " (210 mm x 51 mm x 24 mm)	
Hinge stile case	6" x 1 ³ / ₄ " x ¹⁵ / ₁₆ " (152 mm x 44 mm x 24 mm)	
Crossbar projection	Neutral – 4 ⁷ / ₈ " (124 mm) Depressed – 4" (102 mm)	
Crossbar tubing	1" (25 mm) outside diameter	
Vertical rod	³ / ₈ " (10 mm) hexagon	
Latchbolt	⁵ / ₈ " (16mm) throw	
Fasteners	All necessary mounting fasteners are included.	
Electrical options	RX	Crossbar monitor switch in end case
	E	Electric unlocking (BE trim only)
Mechanical options	RCB	Reinforced crossbar
	KN	Knurled crossbar
Strikes	301L Strike-bottom	

RX

Crossbar monitor switch

- Signals use of an opening
- SPDT switch to monitor crossbar

Standard trims









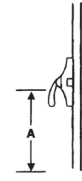
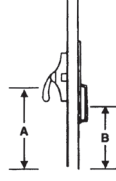
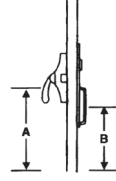
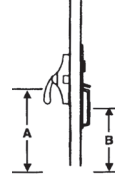
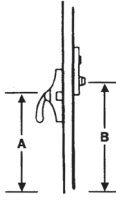
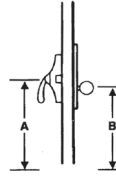
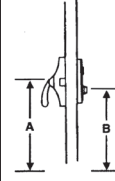
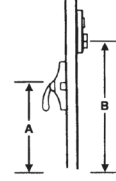
	EO	L	T
	Exit only	 Key locks knob	 Key locks lever #06 Standard
Product description	8847EO-F	8847L-F ^{1,2}	8847TL-F ^{1,2}
Trim description	—	371L	376T x 880DT-V-SA
Escutcheon plate size	—	1 ¹¹ / ₁₆ " x 7 1/2" x 7/8"	1 ¹¹ / ₁₆ " x 7 1/2" x 7/8"
Grip mounting center	—	—	—
Projection	—	2 ⁵ / ₈ "	1 ¹³ / ₁₆ "
ANSI function	01	08/09	11/12
Cylinder type	—	1 1/4" Mortise	1 1/4" Mortise
Sex bolt quantity #425 (optional) ⁶	4	4	4

¹ If no cylinder operation is required, specify "BE" blank escutcheon, trim always operable; example 8847L-F-BE.

² The 371 and 376T are shipped L or TL. An NL cylinder plate is also furnished standard (for operation only when key is used).

Notes

Trim options

Function		01 Exit only	02 Pull when dogged	03 Key retracts latch bolt	05 Key retracts thumbpiece	06 Key locks lever	08 Key locks knob	08 Key locks lever	11/12 Key locks thumbturn
Trim number and dimensions		880EO 	880DT 	880NL 	880TP 	371-L 	880K 	373-L 	377T or 376T x 880DT-V 
Device/trim center line to finished floor									
Projection		—	2" (51 mm)	2" (51 mm)	2" (51 mm)	2 ⁵ / ₈ " (67 mm)	2 ³ / ₄ " (70 mm)	2 ⁵ / ₈ " (67 mm)	1 ¹³ / ₁₆ " (46 mm)
Rim	Panic	880EO	88DT	88NL	88TP	—	88K	88L	—
	Fire	88EO-F	—	88NL-F▲	88TP-F▲	—	88K-F▲	88L-F■	—
	Ctr. line	A 39 ¹³ / ₁₆ (1011 mm)	A 39 ¹³ / ₁₆ (1011 mm) B 33 ¹¹ / ₃₂ (847mm)	A 39 ¹³ / ₁₆ (1011 mm) B 33 ¹¹ / ₃₂ (847mm)	A 39 ¹³ / ₁₆ (1011 mm) B 33 ¹¹ / ₃₂ (847mm)	—	A 39 ¹³ / ₁₆ (1011 mm) B 36 ¹³ / ₁₆ (935 mm)	A 39 ¹³ / ₁₆ (1011 mm) B 36 ¹³ / ₁₆ (935 mm)	—
Mortise lock	Panic	8875EO	8875DT	8875NL	8875TP	—	8875K	8875L	—
	Fire	8875EO-F	—	8875NL-F	8875TP-F	—	8875K-F	8875L-F	—
	Ctr. line	A 39 ¹³ / ₁₆ (1011 mm)	A 39 ¹³ / ₁₆ (1011 mm) B 33 ¹ / ₂ (851 mm)	A 39 ¹³ / ₁₆ (1011 mm) B 33 ¹ / ₂ (851 mm)	A 39 ¹³ / ₁₆ (1011 mm) B 33 ¹ / ₂ (851 mm)	—	A 39 ¹³ / ₁₆ (1011 mm) B 38 ⁹ / ₁₆ (979 mm)	A 39 ¹³ / ₁₆ (1011 mm) B 38 ⁹ / ₁₆ (979 mm)	—
Surface mounted vertical rod	Panic	8827EO	8827DT	—	8827TP	—	8827K	8827L	8827TL
	Fire	8827EO-F	—	—	8827TP-F	—	8827K-F	8827L-F	8827TL-F
	Ctr. line	A 39 ¹³ / ₁₆ (1011 mm)	A 39 ¹³ / ₁₆ (1011 mm) B 33 ¹ / ₂ (851 mm)	—	A 39 ¹³ / ₁₆ (1011 mm) B 33 ¹ / ₂ (851 mm)	—	A 39 ¹³ / ₁₆ (1011 mm) B 38 ⁵ / ₁₆ (973 mm)	A 39 ¹³ / ₁₆ (1011 mm) B 38 ⁵ / ₁₆ (973 mm)	A 39 ¹³ / ₁₆ (1011 mm) B 53 ¹ / ₂ (1359 mm)
Concealed vertical rod	Fire	8847EO-F	—	—	—	8847L-F	—	—	8847TL-F
	Ctr. line	A 39 ¹³ / ₁₆ (1011 mm)	—	—	—	A 39 ¹³ / ₁₆ (1011 mm) B 41 ¹ / ₁₆ (1059 mm)	—	—	A 39 ¹³ / ₁₆ (1011 mm) B 53 ¹ / ₂ (1359 mm)
Additional snb requirements		4/8/16	4, 12	4	4, 12	4	4, 12	4, 12	4
Cylinder type required	Rim	—	—	Rim	Rim	—	Rim	Mortise	—
	Mortise	—	—	Mortise	Mortise	—	Mortise	Mortise	—
	Vert. rod	—	—	—	Rim	—	Rim	Mortise	Mortise
	C.V.R.	—	—	—	—	Mortise	—	—	Mortise

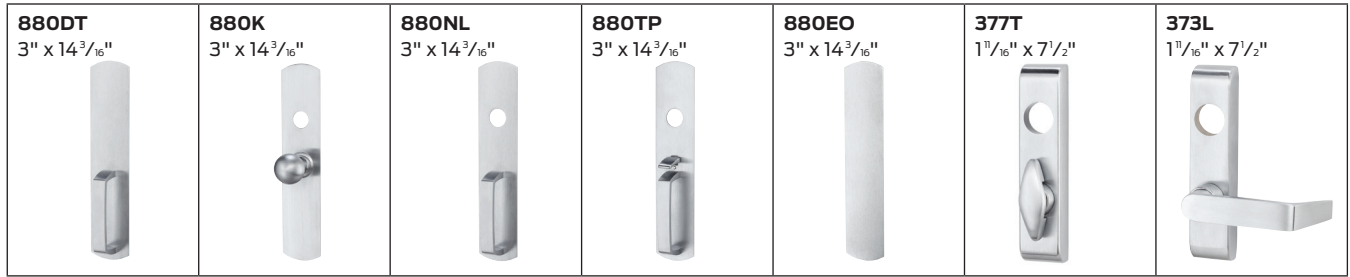
▲ Requires stainless steel trim for wood or composite fire doors.

■ Requires 889 Plate for wood or composite fire doors.

Note: 8827-F uses 377T, 8847-F uses 376T.

Trim options

Standard trim



880 Series trim

Heavy 10 gauge (2.4 mm) brass, bronze, or stainless steel. Available functions: 880DT, 880K, 880NL, and 880TP. Optional 880EO exit only trim plate is available. To order with the exit device, specify 88EOx880EO.

373L/371L Series trim

Lever control has a forged brass $\frac{7}{8}''$ (22 mm) thick escutcheon. An NL cylinder plate is included for lever operation only when key is used. BE blank escutcheon is available, specify 373L-BE.

*880 Stainless Steel Trim used with fire rated rim device on wood doors.

377T Series trim

Thumbturn control has a forged brass $\frac{7}{8}''$ (22 mm) thick escutcheon. Often used with DT trim or pull. An NL cylinder plate is included for thumbturn operation only when key is used. BE blank escutcheon is available, specify 377T-BE

Optional trim



608 Series trim

Narrow design $\frac{3}{16}''$ (5 mm) thick brass, bronze, or stainless steel with flat pull grip. Available functions: 608DT, 608NL, and 608TP. When ordering with the exit device, specify 88NLx608NL.

606K Series trim

Narrow design knob trim $\frac{3}{16}''$ (5 mm) thick brass, bronze, or stainless steel $\frac{3}{16}''$ (5 mm) escutcheon.

Strike/Stile information

Strike application/Minimum stile

Device type	Standard single door		Standard double door		OPTIONAL single door		OPTIONAL double door	
	Strike	Stile	Strike w/mullion	Stile	Strike	Stile	Strike w/mullion***	STILE
88	299	4 ³ / ₈ " (111 mm)	299 x 4954	4 ¹¹ / ₁₆ " (119 mm)	264	4 ¹ / ₈ " (105 mm)	299 x 5254/5654	4 ¹ / ₈ " (105 mm)
					1409	3 ³ / ₈ " (86 mm)	264 x 5254/5654 264 x 4954	4" (107 mm) 4 ⁷ / ₁₆ " (113 mm)
					1606	3 ¹⁵ / ₁₆ " (100 mm)	1606 x 1654	4 ³ / ₄ " (108 mm)
					—	—	1609*	4" (107 mm)
					—	—	1610**	4 ⁷ / ₁₆ " (113 mm)
88-F	268	4 ³ / ₈ " (111 mm)	268 x 9954	4 ¹¹ / ₁₆ " (119 mm)	—	—	—	—
8875	STRIKE	STILE	STRIKE	STILE	STRIKE	STILE	STRIKE	STILE
	575	4 ³ / ₄ " (121 mm)	—	—	—	—	575-2 576A-576B	4 ³ / ₄ " (121 mm)
8875-F	575	4 ³ / ₄ " (121 mm)	—	—	—	—	575-2 576A-576B	4 ³ / ₄ " (121 mm)
8827	STRIKE	STILE	STRIKE	STILE				
	299 (top)		Single door	2 ¹³ / ₁₆ " (71 mm)	260U (top)		Single Door	2 ¹³ / ₁₆ " (71 mm)
	304L/248L-4 (bottom)		Two vertical rod devices	2 ¹ / ₂ " (64 mm)	385A (bottom)		Two Vertical Rod Devices	2 ¹ / ₂ " (64 mm)
8827-F	Soffit latch (top) (bottom) 304L		Vertical rod w/mortise lock device	4 ³ / ₄ " (121 mm)	385A (bottom)		Vertical Rod w/Mortise Lock Device	4 ³ / ₄ " (121 mm)
			Two vertical rod devices	3 ³ / ₄ " (95 mm)				
8847-F	Soffit Latch (Top) 301L (Bottom)		Two vertical rod devices	4 ³ / ₄ " (121 mm)				
			Vertical rod w/mortise lock device	4 ³ / ₄ " (121 mm)				

*Use for rim/vertical rod combination — consult factory.

**Use for rim/vertical rod combination on stock hollow metal doors — consult factory.

***For mullion information, refer to the General and Auxiliary catalog.

Strike options

Strikes for rim devices

<p>264</p> <p>Projection $\frac{9}{16}$" (14 mm)</p>	<p>268</p> <p>Projection $\frac{13}{16}$" (21 mm)</p>	<p>299</p> <p>Projection $\frac{13}{16}$" (21 mm)</p>	<p>1409 – Blade stop</p> <p>Projection $\frac{1}{2}$" (13 mm)</p>
<p>1606</p> <p>Projection $\frac{3}{8}$" (10 mm)</p>	<p>1609 For rim/vertical rod, panic only consult factory</p>		

Strikes for vertical rod devices

<p>248L-4</p> <p>Projection $\frac{3}{8}$" (10 mm)</p>	<p>260U – Flush transom only</p> <p>Projection $\frac{3}{8}$" (10 mm)</p>	<p>264</p> <p>Projection $\frac{5}{8}$" (16 mm)</p>	<p>299</p> <p>Mortise $2\frac{1}{2}$" (64 mm)</p>
<p>301L</p> <p>Mortise $\frac{3}{4}$" (19 mm)</p>	<p>304L</p> <p>Mortise $\frac{13}{16}$" (21 mm)</p>	<p>385A</p> <p>Mortise $2\frac{1}{2}$" (64 mm)</p>	

Strikes for rim devices

<p>575</p> <p>For use on $\frac{13}{16}$" (44mm) or $2\frac{1}{4}$" (57mm) Single door and $2\frac{1}{4}$" (57mm) double door with coordinator.</p>	<p>575-2</p> <p>For use on $\frac{13}{16}$" (44mm) thick double door with coordinator and astragal</p>	<p>576A</p> <p>Open back strike for $\frac{13}{16}$" (44mm) thick double doors without coordinator.</p>	<p>576B</p> <p>Open back strike for $2\frac{1}{4}$" (57mm) thick double doors without coordinator.</p>
---	--	---	--

- Not for use with astragals
- For use on wood doors, contact door manufacturer
- Acceptable for 90 minute pair of hollow metal doors

88 Electrical options

E8875 Electric mortise lock device



The E8875 electric mortise lock device has all the versatility and advantages of the 8875 mortise lock device, plus the advantage of being electrically controllable by a remote switching device, an access control or automatic device, or an automatic fire alarm system. The E8875 feature controls the locking of the outside trim. When unlocked, the door remains latched, preserving the fire rating of the door and making it particularly useful where codes permit locking, but require unlocking during a fire emergency. Key override is an NL type function.

Standard features:

- Field reversible mortise lock
- 24 VDC continuous duty solenoid
- Tamper resistant (auxiliary dead latch)
- Silent operation
- Corrosion resistant
- Signaling functions
- Key mechanically retracts latchbolt

Optional features:

- Fail safe (locked when energized, unlocked when de-energized or during power failure, specify with suffix "FS").
- Fail secure (unlocked when energized — specify with suffix "FSE"). Outside trim automatically relocks, unless held unlocked electrically.
- 24 VAC (by adding SO option).
- 12 VDC or 12 VAC with SO option.

To order, specify:

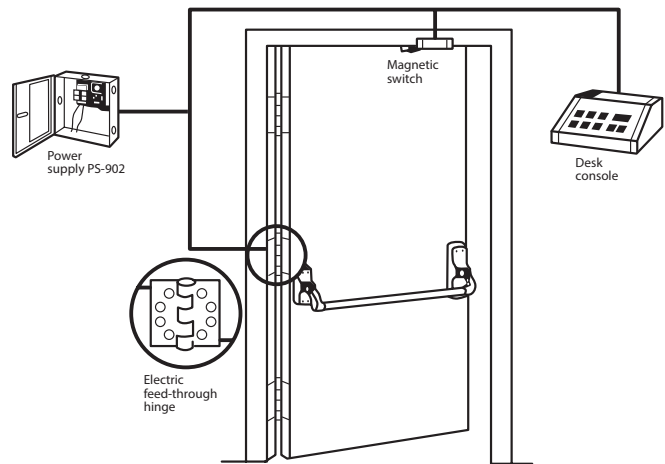
- 1a. E8875 or E8875F.
- 1b. E7500 (if lock only is required).
2. FS or FSE.
3. Voltage.
4. Handing, LHR or RHR
5. Outside trim. "TP", "TP-BE", "K", "K-BE" or "L-BE" function only. When using with "L" function, no cylinder operation is available. Outside control is furnished "BE".

E - Electric unlocking of outside trim (BE only)

Available in Fail Secure (FSE) or Fail Safe (FS) options. 24VDC furnished as standard, 12 VDC available.

To order, specify:

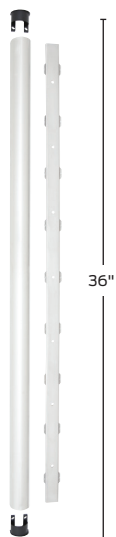
1. E prefix:
 - E371L-BE / E376L-BE = for use with concealed vertical rods
 - E373L-BE = for use with rim, surface vertical and mortise lock devices
2. FS or FSE
3. Voltage
4. Handing, LHR or RHR



Adaptable for openings where continuous latching is required while the trim may be electrically locked or unlocked from a remote location — stairwells, exterior doors, etc.

88 Device options & accessories

RG-27 Vertical rod and latch guard



Rod guard

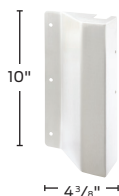
Series RG-27 Vertical rod and latch guards protect the bottom rods of exit devices from the damaging impacts of carts or gurneys passing through doors. (If bottom rods become damaged, the exit device will not function as intended and can jeopardize the ability to exit safely during an emergency.)

In addition to protecting the vertical rod, the guard provides a smooth, unobstructed surface so the door can be pushed open easily with the bumpers of a wheelchair. The latch guard portion is 10" high. The standard latch guard features a 45° ramp. The extended latch guard offers a continuous ramp in 3' or 4' widths.

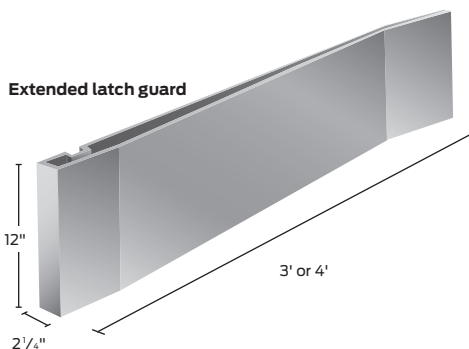
All stainless steel construction in US32D finish. Latch guards can cover latches as large as 1 1/4"W x 10"H x 1 7/8" projection.

36"

Latch guard



Extended latch guard



Models

- RGO Rod guard only (projection 1 3/8")
- RG-27 Rod and latch guard
- RG-27-3 3' (914mm) Rod guard and extended latch guard
- RG-27-4 4' (1219mm) Rod guard and extended latch guard
- LGO Latch guard only
- LGO-3 3' (914mm) Extended latch guard only
- LGO-4 4' (1219mm) Extended latch guard only

When using on wood fire doors, high density block is required.

To order, specify:

1. Model number.
2. Handing (except on RGO).
3. Door material if other than hollow metal.
4. Optional sex bolt mounting available.

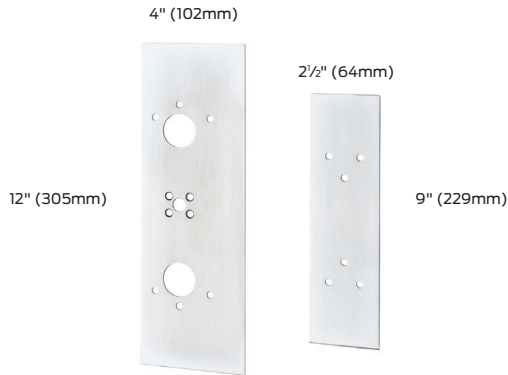
Device options & accessories

Cover plate kits

Device

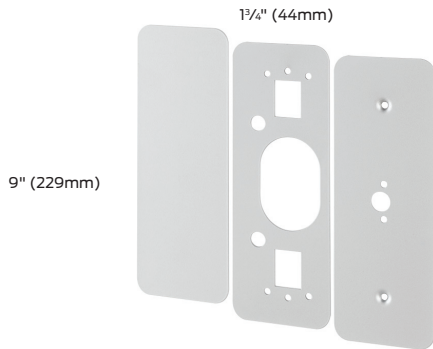
882 Kit

For use to cover mortise lock or discontinued device cut-outs. Specify finish.



887 Kit

Required for 88 rim/8827 vertical rod device combinations on pairs of doors with ANSI 161 cutout. (The 88 rim device backset is increased and exposes the 161 cutout when used with 8827).



888 Kit

Required for 8875 mortise or 8827 vertical rod devices on doors with ANSI 161 cutouts (device center case will not cover stock cutout).

To order, specify:

1. Kit number.
2. Finish.
3. Device type (889 kit only).



Axle security pin

Non-removable security pin can be inserted into lever arm axle to prevent tampering or removal of lever arm.

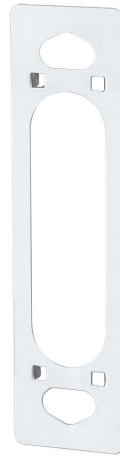
To order, specify

Part Number 033022 (package of 50).

Controls

#10 WDA Kit

1 5/8" (41mm)



#10 WDA Kit

Required when 373L or 377T controls are used on wood doors with the following devices: 88L, 8827L, 8827TL, 8827TL-F, or 8875L (kit covers cutout and prevents control from damaging door).

10" (254mm)

889 Kit

1 5/8" (41mm)



889 Kit

Required when 373L controls are used with sex bolts (sex bolts must be used on wood or composite fire doors). Four studs on cover plate allow through-bolting to the device center case.

10" (254mm)

Additional information

UL Listed — Fire exit hardware label/opening size

Exit device	Single door	With mullion	Double door		
			Same direction vert./vert.	Same direction vert/mortise	Double egress
88-F	3 Hour 4' X 8'	3 Hour 8' X 8'	—	—	—
8875-F	3 Hour 4' X 10'	—	—	3 Hour 8' X 10'	—
8827-F	—	—	90 Min. 8' X 8'	3 Hour 8' X 8'	3 Hour 8' X 8'
8847-F	—	—	90 Min. 8' X 8'	3 Hour 8' X 8'	3 Hour 8' X 8'

ANSI Function, grade & type

Function	Grade 1 type 1	Grade 1 type 2	Grade 1 type 3	Grade 1 type 8
01	88EO, 88EO-F	8827EO, 8827EO-F	8875EO, 8875EO-F	8847EO-F
02	88DT	8827DT	8875DT	—
03	88NL, 88NL-F	—	8875NL, 8875NL-F	—
05	88TP, 88TP-F	8827TP, 8827TP-F	8875TP, 8875TP-F	—
06	—	8827TP-NL, 8827TP-NL-F		
08	88K, 88K-F, 88L, 88L-F	8827K, 8827K-F, 8827L, 8827L-F	8875K, 8875K-F, 8875L, 8875L-F	8847L-F
09	88L-NL, 88L-NL-F	8827K-NL, 8827K-NL-F, 8827L-NL, 8827L-NL-F	8875L-NL, 8875L-NL-F	8847L-NL-F
09	—	8827TL-NL, 8827TL-NL-F	—	8847TL-NL-F
11-12	—	8827TL, 8827TL-F	—	8847TL-F


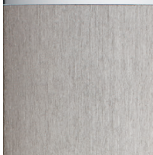



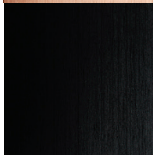
Additional information

Function conversion kits

Device type	Kit	Converts from –	Converts to –	Use with trim
88	CK-NL	TP, K	NL	880NL-R
	CK-TP	EO, DT, NL, K	TP	880TP-R
	CK-K/L	EO, DT, NL, TP	K	880K-R
	CK-K/L	EO, DT, NL, TP	L	373L x 889 Plate (NL, DT, TP)
88F	CK-NL-F	TP-F, K-F	NL-F	880NL-R
	CK-TP-F	EO-F, NL-F, K-F	TP-F	880TP-R
	CK-K/L-F	EO-F, NL-F, TP-F	K-F	880K-R
	CK-K/L-F	EO-F, NL-F, TP-F	L-F	373L x 889 Plate (NL, DT, TP)
8827, 8827-F	CK27-TP	EO, DT, K (std. or fire)	TP (std. or fire)	880TP-V
	CK27-K/L	EO, DT, TP (std. or fire)	K (std. or fire)	880K-V
	CK27-K/L	EO, DT, TP (std. or fire)	L (std. or fire)	373L x 889 Plate (NL, DT, TP)
	CK27-TP-NL	EO, DT, K (std. or fire)	TP-NL	880TP-V
	CK27-K-NL	EO, DT, K (std. or fire)	K-NL	880K-V

Conversion kits are required for 88 rim and 8827 devices. To convert functions on 8847 and 8875 devices, only new trim is required. The 8875 mortise lock is field convertible for function.

88 Series finishes

Finishes*			
Color	US Number	BHMA Number	
	Chromium, polished	US26	625
	Chromium, dull	US26D	626
	Brass, polished	US3	605
	Brass, dull	US4	606
	Bronze, dull-oxidized	US10B	613
	Bronze, dull	US10	612
	Sprayed black	SPBLK	

* **Note:** Durable powder coated finishes available at specific special request. PLEASE CONTACT FACTORY.

Notes

About Allegion

Allegion (NYSE: ALLE) creates peace of mind by pioneering safety and security. As a \$2 billion provider of security solutions for homes and businesses, Allegion employs more than 8,000 people and sells products in more than 120 countries across the world. Allegion comprises more than 25 global brands, including strategic brands CISA®, Interflex®, LCN®, Schlage® and Von Duprin®.

For more, visit www.allegion.com

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Antimicrobial solutions

Overview

Bacteria reside on every surface we touch. The vast majority of bacteria are rendered risk-free by the human immune system, but infections that result from harmful bacteria are an increasing concern in areas such as healthcare, education and food service. By protecting high-touch surfaces with an antimicrobial coating, the number of bacteria that cause infections are reduced and environments where we heal, learn, work and eat are safer.

How does the antimicrobial surface work?

For bacteria to grow, its cells must be able to multiply by forming new protoplasm from nutrients available in the environment. The antimicrobial coating, made using ionic silver (AG+), is specially formulated to inhibit the growth of bacteria by interrupting cell multiplication. Ionic silver coatings interact with the bonding sites on the microbe surface. The result is that the silver ions surround bacterial cells, blockading food and slowing the growth of bacteria, mold and mildew.



Where are the best applications for this type of hardware?

High traffic, public use areas are ideally suited to antimicrobial coated door hardware. With hundreds or thousands of people using accessing these areas every day, safety should be top of mind. Adding door hardware with an antimicrobial coating can make a big difference by inhibiting the growth of bacteria on these high-touch surfaces.

Applications where antimicrobial coated hardware makes sense include:

- Healthcare
- Government
- Childcare
- Education
- Food service
- Restrooms

Antimicrobial solutions from Allegion

Allegion offers a wide range of products that feature a silver ion antimicrobial coating. A choice of styles, functions and finishes ensures a solution that fits building use and design.

VON DUPRIN.

Von Duprin exit and panic devices



GLYNN-JOHNSON.

Push/pull locks



IVES.

Door accessories



SCHLAGE

Levers, locks, and biometric readers



Look for this symbol in our product catalogs. It means you are getting the benefits of the antimicrobial coating on Allegion products you choose.

*Antimicrobial coatings are not a substitute for good hygiene such as hand washing and regular cleaning of the products. Allegion makes no representations or guarantees, express or implied, as to the efficacy of the antimicrobial coating.

About Allegion

Allegion (NYSE: ALLE) creates peace of mind by pioneering safety and security. As a \$2 billion provider of security solutions for homes and businesses, Allegion employs more than 8,000 people and sells products in more than 120 countries across the world. Allegion comprises more than 25 global brands, including strategic brands CISA®, Interflex®, LCN®, Schlage® and Von Duprin®. For more, visit www.allegion.com.

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VON DUPRIN®

Quiet Electric Latch Retraction-QEL

Featuring 98/99, 94/95
and 33A/35A series
exit devices



Overview

Quiet electric latch retraction (QEL) provides electronic control of an exit device for environments where limited operational noise is desired. The QEL option is Von Duprin's solution of choice for hospitals, libraries, museums and theaters where ambient noise can be disruptive. It is available on all Von Duprin 98/99, 94/95 and 33A/35A series exit devices.

These devices always provide mechanical egress. The electrified latch retraction can also be activated by an access system or building automation system to unlatch the exit device momentarily. Often the QEL is used with a credential reader and access control system to unlock the door momentarily for authorized users.

The QEL can also be configured to electronically retract the latch for an extended period of time to allow free entry. This is a convenient alternative to mechanical dogging. If manual dogging is required, the hex dogging option is available, to order specify HD-QEL. Special center case dogging is also available for 98/99 rim and vertical systems, specify SD-QEL.

QEL devices are also useful with automatic door operators, and may be applied to fire-rated applications when under the control of an automatic fire alarm system.

Features and Benefits

- QEL option available on all 98/99, 94/95 and 33A/35A series exit devices
- Energy efficient motorized latch retraction utilizes standard 2 amp power supply, enabling longer wire runs from power source
- Quiet operation in both mechanical and electronic states
- Modular design allows for a simplified installation
- On-board installation and troubleshooting diagnostics built into device
- Auto adjust latch retraction – automatically adjusts latch throw and pull
- Pushbar is pulled in electronically for quieter operation when dogged
- Vandal resistant – detects and responds to events of attack and tampering

Specifications Compliance

- Devices are BHMA Certified to ANSI/BHMA A156.3 (2001) Grade 1 for Exit Devices
- Devices are UL and cUL Listed as "Panic Hardware" (UL 305) and as "Fire Exit Hardware" (UL 10C)
- The QEL Conversion Kit is UL Classified under "Accessories for Single-Point Locks and Latches and Fire Exit Hardware" (UL 10C)

Electronic Specifications

QEL electrical load

Voltage	24 VDC
Current	1.0 A Inrush (0.5 sec) 0.14 A Holding

QEL wire run lengths

Distance (one way)	Wire gauge
200'	18 AWG
320'	16 AWG
500'	14 AWG
800'	12 AWG

Accessories

The QEL has a low in rush current = 1.0 amps, so it can be used with standard Schlage power supplies. When powering multiple components, verify that the amperage requirements of all components combined does not exceed the power supply output rating, see table below for output ratings.

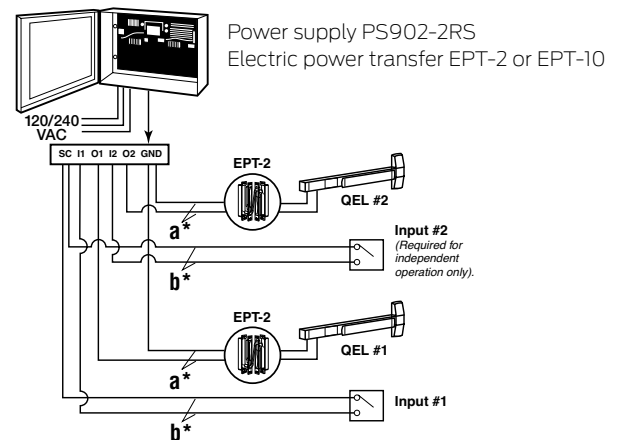
Schlage PS902	Schlage PS904	Schlage PS906
up to 2 amps	up to 4 amps	up to 6 amps

The QEL device is compatible with the following equipment: PS900 Series power supplies - PS902, 904, 906, 914; 900 Series Option Boards - 900-2RS, 900-4R, 900-4RL, 900-2Q; PS873 Power Supply including 871-2, 871-2Q, 873-4TD/AO Option Boards. The power transfer is also sold separately. Please refer to Von Duprin catalog for more information on EPT-2/EPT-10 power transfers and PS900 series power supplies.

How to order

- **Standard** – Use prefix QEL, example QEL99L.
- **Special Center Case Dogging** – Use prefix SD-QEL, example SD-QEL99L.
- **Hex Dogging** – Use prefix HD-QEL, example HD-QEL99L.

Popular Application



About Allegion

Allegion (NYSE: ALLE) creates peace of mind by pioneering safety and security. As a \$2 billion provider of security solutions for homes and businesses, Allegion employs more than 8,000 people and sells products in more than 120 countries across the world. Allegion comprises more than 25 global brands, including strategic brands CISA®, Interflex®, LCN®, Schlage® and Von Duprin®.

For more, visit www.allegion.com

aptiQ ■ LCN ■ SCHLAGE ■ STEELCRAFT ■ VON DUPRIN

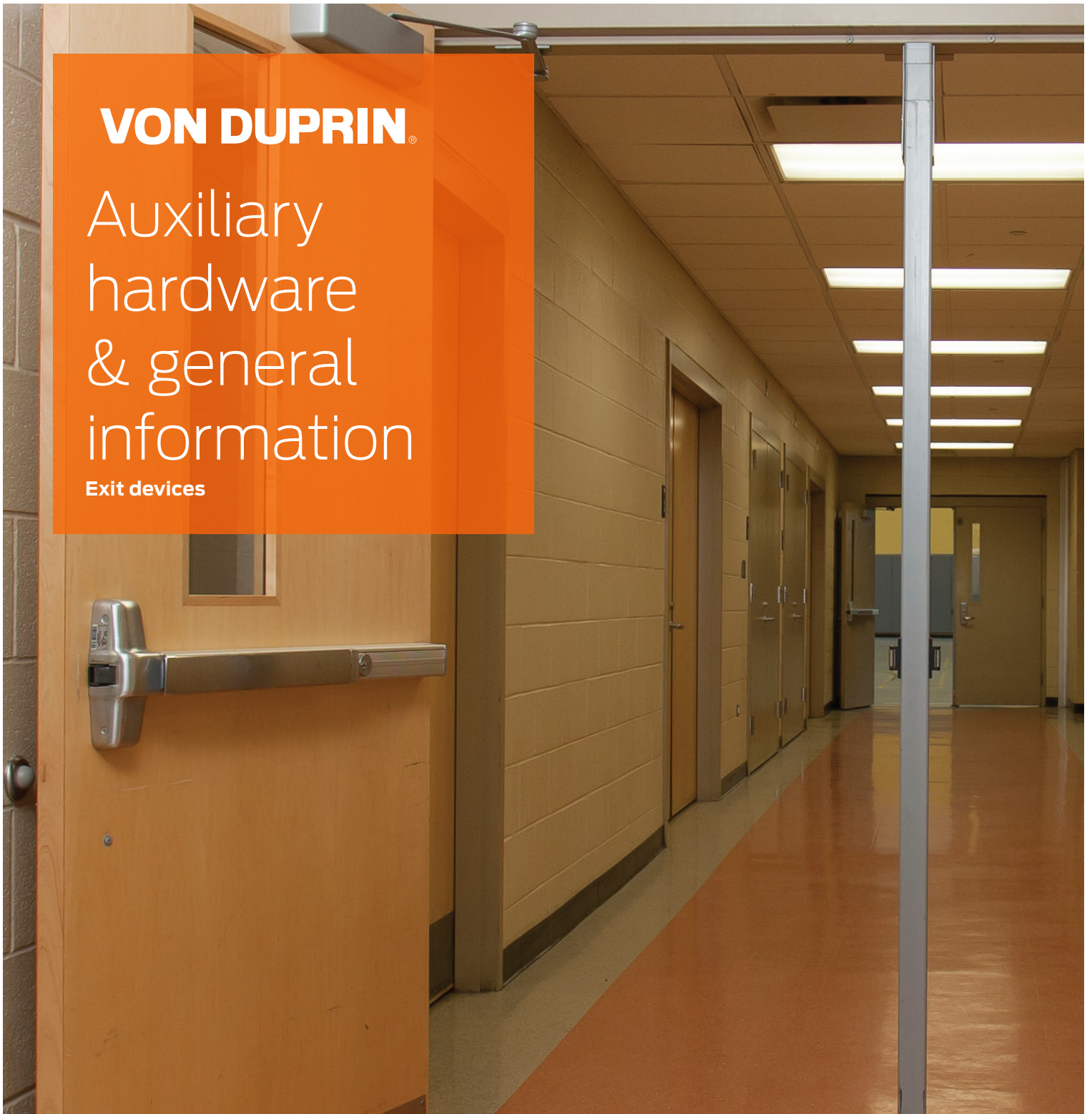


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VON DUPRIN®

Auxiliary
hardware
& general
information

Exit devices



Introduction

Since pioneering the first exit device in 1908, Von Duprin life safety products have provided unparalleled quality, performance and flexibility for schools, hospitals, stadiums and public buildings.

From innovative exit devices to electronic access control solutions and accessories, Von Duprin never compromises when lives are at stake.

Von Duprin exit devices meet or exceed domestic and international quality standards. All devices are UL listed for panic or fire hardware and are ANSI certified. Many models are built to resist hurricane conditions.

VON DUPRIN
Administrative offices
2720 Tobey Dr.
Indianapolis, IN 46219


Customer service
877-671-7011
800-999-0328 - Fax

Technical support
877-671-7011

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Symbols

 Indicates fire rated application

About Von Duprin

The disastrous Iroquois Theater fire in Chicago happened in 1903. Carl Prinzler, Manager of the Vonnegut Hardware Company Builders Hardware Department, was scheduled to be at the matinee, featuring Eddie Foy, but other matters prevailed and he was spared. Five hundred ninety people died, mainly because the theater doors opened inward.

Prinzler spent the next five years working with Henry Dupont, an architectural engineer, developing hardware to preclude a similar horror. Together they fashioned a lever that kept doors locked on the outside, yet unlocked from the inside. The pivotal element was the crossbar which opened the door outward once any part of the body touched it.

That was 1908. Since that time, Von Duprin has been instrumental in transforming fire and panic exit hardware into sleek, attractive products available in a wide range of styles, functions and finishes.

Thorough and continuous research by Von Duprin has resulted in a parade of improvements and enhancements that has earned it the reputation of being the "R & D Department for the entire industry."

- Von Duprin was first to use drop forgings.
- Von Duprin was first with a special threshold, the Latch-Track.
- Von Duprin developed the first reversible exit device, the 88 rim type device.
- Von Duprin introduced the first extruded aluminum mullion.
- Von Duprin was first to market a concealed vertical rod device for metal doors.
- Von Duprin was first to market a concealed vertical rod device for wood doors.
- Von Duprin was the first to have a line of narrow stile devices, the type NC.
- Von Duprin produced the first stainless steel line of devices, the type 66 series.
- Von Duprin was the first with a line of pushpad devices, the type 33 series.
- Von Duprin was the first with electric locking and unlocking, the type E device.
- Von Duprin was the first with self contained delayed exit, CHEXIT®

In addition, during the 1920's Von Duprin developed the type Q

device, which was approved by Underwriter's Laboratories, Inc., for three hour fire rated doors. Subsequently, Von Duprin has successfully tested the industry's most complete line of Fire Exit Hardware.

Along with these impressive developments, we are proud of our record of manufacturing quality products that give years and years of solid dependable service with minimum maintenance. While it is satisfying to reflect on these accomplishments, it is even more significant that Von Duprin has the purpose and the spirit to continue to lead the fire and life safety industry in providing "THE SAFE WAY OUT!"

How the name "VON DUPRIN" originated: VON (Vonnegut Hardware Company), DU (DuPont), the architectural engineer, who helped PRIN (Prinzler) develop the first Von Duprin exit device.

UL listings

Most Von Duprin exit devices are UL Listed for Panic Hardware or Fire Exit Hardware, and are tested in accordance to ANSI A156.3, 2008, Grade 1.

UL listed panic hardware

To be UL listed a device must pass rigorous tests to prove it is mechanically sound and reliable. One test puts the device through 100,000 controlled open and close cycles. In another, the activating mechanism is required to operate with 50 pounds of pressure or less when 250 pounds of pressure is applied to the door in the direction of the swing.

Fire exit hardware

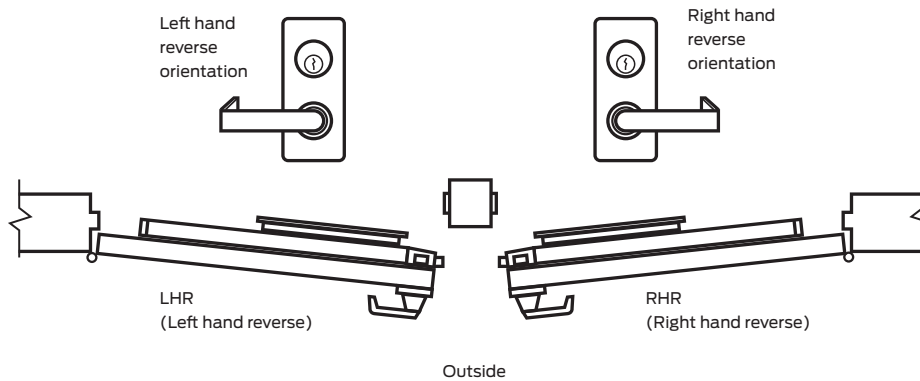
To carry the UL Label for Fire Exit Hardware, a device first must meet the Accident Hazard requirements. Secondly, the device must pass the burn test to prove that it can hold fire doors closed for up to a three hour period in temperatures over 1900°F. Immediately after burning, a fire hose with approximately 45 lbs. PSI pressure at the nozzle puts stress on the opening as a final test of the hardware's ability to hold the doors closed.

ANSI Functions for exit hardware

A variety of ANSI functions are offered with each series. Each device section of the catalog contains a chart showing the ANSI types and functions available in the series.

Function	
01	Exit only, no trim
02	Entrance by trim when actuating bar is locked down.
03	Entrance by trim when latch bolt is retracted by key. Key removable only when locked.
04	Entrance by trim when latch bolt is retracted by key or set in a retracted position by key.
05	Entrance by thumbpiece. Key locks or unlocks thumbpiece.
06	Entrance by thumbpiece only when released by key. Key removable only when locked.
07	Entrance by thumbpiece. Inside key locks or unlocks thumbpiece. Outside key retracts latch.
08	Entrance by knob or lever. Key locks or unlocks knob.
09	Entrance by knob or lever only when released by key. Key removable only when locked.
10	Entrance by knob or lever. Inside key locks or unlocks knob. Outside key retracts latch.
11	Entrance by control turn piece. Key locks or unlocks control.
12	Entrance by control turn piece only released by turning key. Key removable only when locked.

Door handing



Sex bolts

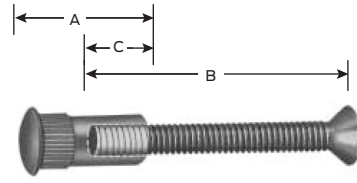
Sex Bolts when ordered with devices may be furnished with screw lengths different than shown in Column B. On page 7, Column B indicates popular sizes. Sex Bolts ordered separately are not furnished with screws. If screws are required refer to chart on page 7 and order screws by description as a separate item. Other screw lengths may be used based on minimum and maximum allowable thread engagement, shown in column "C." Quantity required — refer to device section, quantities differ depending on outside trim.

425 sex bolts are required for 22/88/98/99 series fire rated devices when used on wood door applications. When wood doors are specified for these devices, sex bolts will be added to the device application unless SLM blocking package is specified.

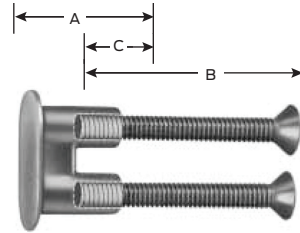
825 sex bolts are required with 98-F/99-F rim devices on wood door applications using EO, NL, TP, K and L outside trims. Two 825 sex bolts will be added to the device application unless SLM blocking package is specified.

To order, specify

1. Model number
2. Quantity (2 per package)
3. Finish
4. Door thickness other than 1³/₄" (44mm).



325,425,625A & 625B



525



Refer to page 7 for A, B and C lengths

Vertical rods

Rim, mortise and concealed vertical rod

Device type	Door thickness	Center case				Hinge case			
		Sex Bolt			C Thread engagement min. - max.	Sex bolt			C Thread engagement min. - max.
		No.	A	B Screw		No.	A	B Screw	
22	1 3/4" (44mm)	425	1 9/16"	10-24 x 1" PPHMS	9/32" - 5/8"	425	1 9/16"	10-24 x 3/4" PPHMS	9/32" - 5/8"
	2 1/4" (57mm)	425	1 9/16"	10-24 x 1 1/2" PPHMS	9/32" - 5/8"	425	1 9/16"	10-24 x 1 1/4" PPHMS	9/32" - 5/8"
33A, 3347A, 3347A-F 35A, 3547A, 3547A-F	1 3/4" (44mm)	325	1 9/32"	1/4"-20 x 1" FPHMS	3/8" - 11/16"	425	1 9/16"	10-24 x 3/4" PPHMS	9/32" - 5/8"
	2 1/4" (57mm)	325	1 9/32"	1/4"-20 x 1 1/2" FPHMS	3/8" - 11/16"	425	1 9/16"	10-24 x 1 1/4" PPHMS	9/32" - 5/8"
55	1 3/4" (44mm)	625A	2 5/16"	12-24 x 3/4" OPHMS	11/32" - 13/16"	625A	2 5/16"	12-24 x 3/4" OPHMS	9/32" - 13/16"
	2 1/4" (57mm)	625B	2 13/16"	12-24 x 3/4" OPHMS	11/32" - 1"	625B	2 13/16"	12-24 x 1 1/4" OPHMS	11/32" - 1"
5575, 5575-F 5547, 5547F	1 3/4" (44mm)	—	—	—	—	625A	2 5/16"	12-24 x 3/4" OPHMS	11/32" - 13/16"
	2 1/4" (57mm)	—	—	—	—	625B	2 13/16"	12-24 x 1 1/4" OPHMS	11/32" - 1"
88, 88-F, 8875, 8875-F	1 3/4" (44mm)	425	1 9/16"	10-24 x 1 1/2" OPHMS	9/32" - 5/8"	425	1 9/16"	10-24 x 1 1/2" OPHMS	9/32" - 5/8"
	2 1/4" (57mm)	425	1 9/16"	10-24 x 2" OPHMS	9/32" - 5/8"	425	1 9/16"	10-24 x 2" OPHMS	9/32" - 5/8"
8847-F	1 3/4" (44mm)	—	—	—	—	425	1 9/16"	10-24 x 1 1/2" OPHMS	9/32" - 5/8"
	2 1/4" (57mm)	—	—	—	—	425	1 9/16"	10-24 x 2" OPHMS	9/32" - 5/8"
98, 9875, 9875-F, 9847, 9847-F, 99, 9975, 9975-F, 9947, 9947-F	1 3/4" (44mm)	425	1 9/16"	10-24 x 1" PPHMS	9/32" - 5/8"	425	1 9/16"	10-24 x 1" PPHMS	9/32" - 5/8"
	2 1/4" (57mm)	425	1 9/16"	10-24 x 1 1/2" PPHMS	9/32" - 5/8"	425	1 9/16"	10-24 x 1 1/2" PPHMS	9/32" - 5/8"
98-F, 99-F*	1 3/4" (44mm)	425	1 9/16"	10-24 x 1" PPHMS	9/32" - 5/8"	425	1 9/16"	10-24 x 3/4" PPHMS	9/32" - 5/8"
		825A*	1 13/16"	10-24 x 3/4" PPHMS	9/32" - 5/8"				
	2 1/4" (57mm)	425	1 9/16"	10-24 x 1 1/2" PPHMS	9/32" - 5/8"	425	1 9/16"	10-24 x 1 1/4" PPHMS	9/32" - 5/8"
		825B*	1 13/16"	10-24 x 3/4" PPHMS	9/32" - 5/8"				

Surface vertical rod

Device type	Door thickness	Center case				Hinge case				Top & bottom latch case			
		Sex bolt			C Thread engagement min. - max.	Sex bolt			C Thread engagement min. - max.	Sex bolt			C Thread engagement min. - max.
		No.	A	B Screw		No.	A	B Screw		No.	A	B Screw	
2227, 2227-F	1 3/4" (44mm)	425	1 9/16"	10-24 x 1" PPHMS	9/32" - 5/8"	425	1 9/16"	10-24 x 3/4" PPHMS	9/32" - 5/8"	325	1 9/32"	1/4"-20 x 3/4" UFPHMS	3/8" - 1/8"
	2 1/4" (57mm)	425	1 9/16"	10-24 x 1 1/2" PPHMS	9/32" - 5/8"	425	1 9/16"	10-24 x 1 1/4" PPHMS	9/32" - 5/8"	325	1 9/32"	1/4"-20 x 1 1/4" UFPHMS	3/8" - 1/8"
3327A 3527A	1 3/4" (44mm)	325	1 9/32"	1/4"-20 x 1" FPHMS	3/8" - 11/16"	425	1 9/16"	10-24 x 3/4" PPHMS	9/32" - 5/8"	325	1 9/32"	1/4"-20 x 3/4" UFPHMS	3/8" - 1/8"
	2 1/4" (57mm)	325	1 9/32"	1/4"-20 x 1 1/2" FPHMS	3/8" - 11/16"	425	1 9/16"	10-24 x 1 1/4" PPHMS	9/32" - 5/8"	325	1 9/32"	1/4"-20 x 1 1/4" UFPHMS	3/8" - 1/8"
8827, 8827-F	1 3/4" (44mm)	425	1 9/16"	10-24 x 1 1/2" OPHMS	9/32" - 5/8"	425	1 9/16"	10-24 x 1 1/2" OPHMS	9/32" - 5/8"	425	1 9/32"	10-24 x 3/4" PPHMS	9/32" - 5/8"
	2 1/4" (57mm)	425	1 9/16"	10-24 x 2" OPHMS	9/32" - 5/8"	425	1 9/16"	10-24 x 2" OPHMS	9/32" - 5/8"	425	1 9/32"	10-24 x 1 1/4" PPHMS	9/32" - 5/8"
9827, 9827-F 9857 9857-F	1 3/4" (44mm)	425	1 9/16"	10-24 x 1" PPHMS	9/32" - 5/8"	425	1 9/16"	10-24 x 3/4" PPHMS	9/32" - 5/8"	325	1 9/32"	1/4"-20 x 3/4" UFPHMS	3/8" - 1/8"
9927, 9927-F 9897 9957-F	2 1/4" (57mm)	425	1 9/16"	10-24 x 1 1/2" PPHMS	9/32" - 5/8"	425	1 9/16"	10-24 x 1 1/4" PPHMS	9/32" - 5/8"	325	1 9/32"	1/4"-20 x 1 1/4" UFPHMS	3/8" - 1/8"

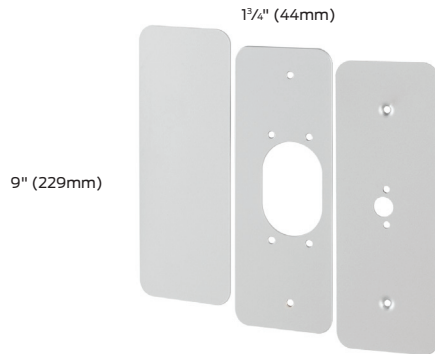
FPHMS — Flat Phillips head machine screw
OPHMS — Oval Phillips head machine screw
PPHMS — Pan Phillips head machine screw
UFPHMS — Undercut flat Phillips head machine screw

Cover plates

229 Kit

(For 22 Rim device)

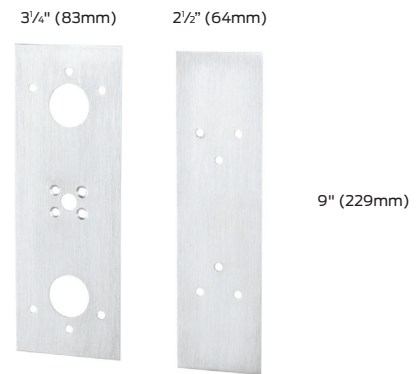
Kit contains inside and outside plates for hinge stile cutouts, an inside plate for the the lock stile, and necessary screws. Plates are designed to cover cutouts required by most existing exit device installations. Specify finish.



887 Kit

(For 88 Rim/8827 Devices)

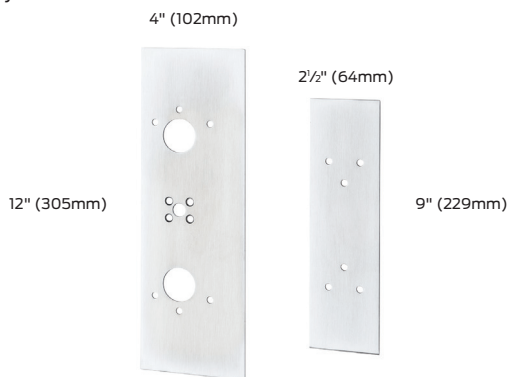
For use with rim/vertical device combinations on pairs of doors with ANSI cut-out. The 88 rim device backset is increased and exposes the 161 cutout when used with an 8827. Specify finish



882 Kit

(For 88 Rim device)

For use to cover mortise lock or discontinued device cut-outs. Specify finish.



589 Kit

(For 5575 Device)

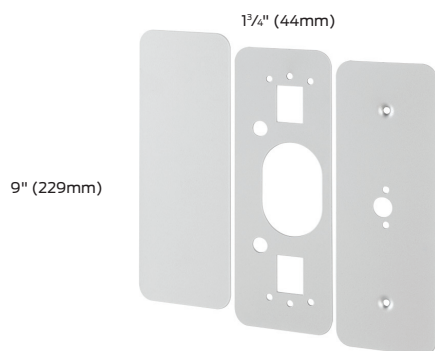
Kit contains plates for the lock stile and hinge side of the device, and necessary screws. Plates are designed to mount to device on wood door applications. The mortise lock cut-out interferes with device mounting. Specify finish and door width other than 1 3/4 inches (44mm).



997 Kit

(For 98/99 Rim Device)

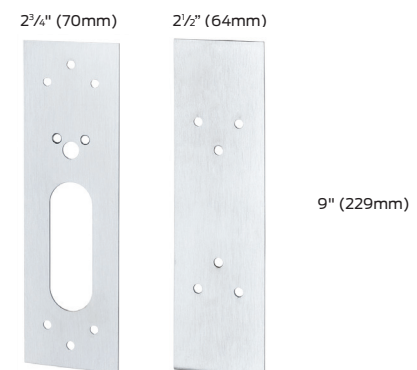
Kit contains inside and outside plates for hinge stile cutouts, an inside plate for lock stile, and necessary screws. Plates are designed to cover cutouts required by most existing exit device installations. Specify finish.



888 Kit

(For 8875 or 8827 Devices)

For use on doors with ANSI 161 cutouts. Device center case will not cover stock cutout. Specify finish.



Cover plates

889 Kit

(For 373L Control)

Required when 373L controls are used with sex bolts. Four studs on cover plate allow through bolting to the device center case
Note: Sex bolts must be used on wood or composite fire doors. Specify device type R, M, or V and finish.

998 Kit

(For 994L Trim)

For use with 994 lever trim to cover existing 992 lever trim cut-out. Specify finish

#10 WDA Kit

(For 370 Series controls)

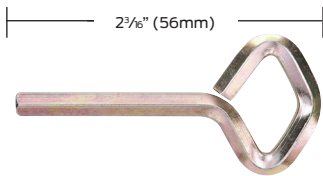
For wood door applications, used to cover up door preparations for control, also prevents the control from boring into the wood door. Finished to match control.

33A WDA Kit

(For 360 Series controls)

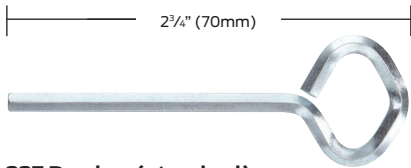
For wood door applications to cover up door preparations for control, also prevents the control from boring into the wood door. Finished to match control.

Dog keys



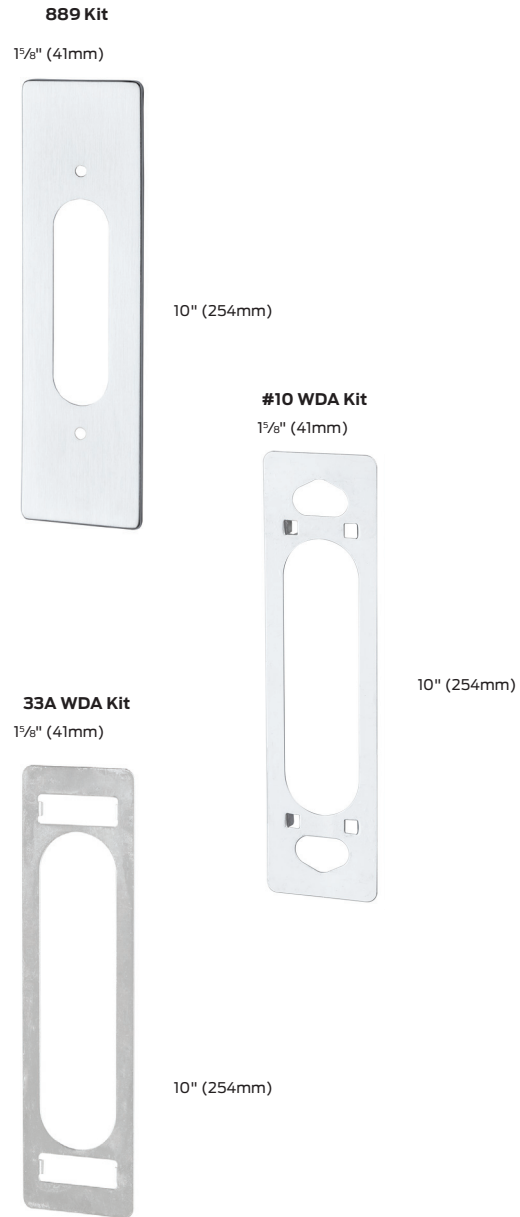
222 Dog key (old style)

$\frac{5}{32}$ " (4mm) hex



227 Dog key (standard)

$\frac{7}{32}$ " (4mm) hex



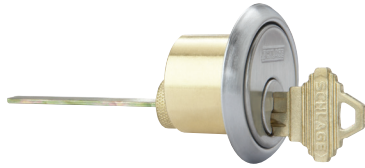
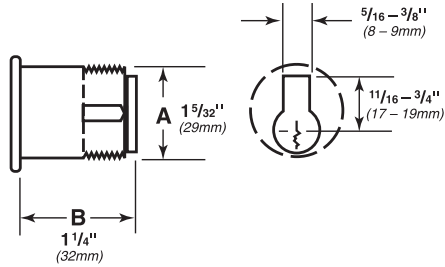
Cylinders

Cylinders

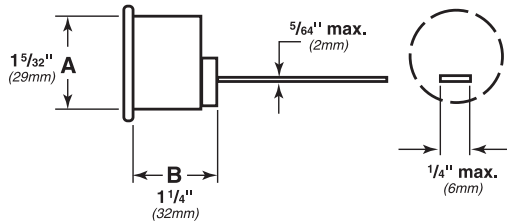
Cylinders are not furnished with device or trim and must be specified when ordering. Refer to exit device catalogs for cylinder requirements.



Mortise — 3215 (Schlage 20-001, B502-191 cam)



Rim — 3216 (Schlage 20-022 cam)



3218 Dummy



Glass bead kit — GBK

Glass bead conversion kits are used on doors with glass beads. Each kit consists of 1 1/4" (6mm) shim sets. GBK for Surface Vertical Rod ships with 1 1/8" (3mm) shims for rod guides. Shims are not required for top and bottom latches

To order, specify:

1. Device Model. Example: 99GBK
2. Device type (rim, mortise, surface vertical rod, concealed vertical rod)
3. Wood door, when used with concealed vertical rod
4. Specify if using with 499F Strike
5. Finish

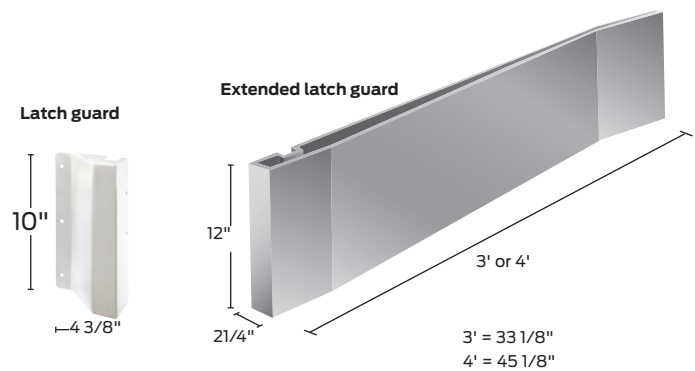
RG-27 Vertical rod and latch guard



RG-27 Series vertical rod and latch guards protect the bottom rods of exit devices from the damaging impacts of carts or gurneys passing through doors. (If bottom rods become damaged, the exit device will not function as intended and can jeopardize the ability to exit safely during an emergency.)

In addition to protecting the vertical rod, the guard provides a smooth, unobstructed surface so the door can be pushed open easily with the bumpers of a wheelchair. The latch guard portion is 10" high. The standard latch guard features a 45° ramp. The extended latch guard offers a continuous ramp in 3' or 4' widths.

All stainless steel construction in US32D finish. Latch guards can cover latches as large as 1 1/4"W x 10"H x 1 7/8" projection.



Models

- RGO** Rod guard only (Projection 1 3/16")
- RG-27** Rod and latch guard
- RG-27-3** 3' (914 mm) Rod guard and extended latch guard
- RG-27-4** 4' (1219 mm) Rod guard and extended latch guard
- LGO** Latch guard only
- LGO-3** 3' (914 mm) Extended latch guard only
- LGO-4** 4' (1219 mm) Extended latch guard only

Note: Not for use on wood fire doors, except with SLM (special laminate material) blocking.

To order, specify:

1. Model number.
2. Handing (except on RGO).
3. Door material if other than Hollow Metal.
4. Optional sex bolt mounting available.

237 Two point latch



Series 237 Two point latch

Series 237 Two point latch assembly is ideal for spaces where occupancy does not require panic or fire exit hardware. This product is a perfect solution for many applications in schools, health care facilities, offices, and government facilities – regardless if the doors are inswing or outswing. It can be used on the inactive leaf of a pair of doors with a lockset or both leaves of a pair. It features a top soffit latch and ratchet release for long service life and dependability. Locking handles in many different configurations provide versatility to meet different customer needs.

Engineered to withstand severe weather conditions, the 237 series is also ideal for community shelters and safe rooms in accordance with FEMA 320 and 361 guidelines.

Specifications compliance

- I. UL listings:
 - Two- and Three-point Locks and Latches (for use on Fire Doors) – UL 10 C
 - Rating: 3HR Pairs (Double Egress)
 - 90 Min. Pairs (Swing Same Direction)
 - Door Size: 8'0" X 8'0" Pairs (Hollow Metal Only)
- II. Windstorm ratings:
 - A. UL – FEMA 320 and 361 certified:
 - i. 4'0" X 8'0" Single Doors (Non-fire-rated) Hollow Metal
 - ii. 8'0" X 8'0" Pairs Hollow Metal
 - B. UL-ANSI/ICC 500 certified for F5 Tornado applications

These products are listed with Steelcraft PW14 Series door for Tornado Listings

Top rod assembly



Bottom rod assembly



Furnished standard with one lever control assembly with mounting plate for the push side. This lever operation is always unlocked (L-BE). A second control lever can be ordered separately for the pull side, either model 378L-BE (always unlocked) or model 378L (with cylinder locking). Cylinders not included.

Lever operation meets all ADA requirements.

To order, specify:

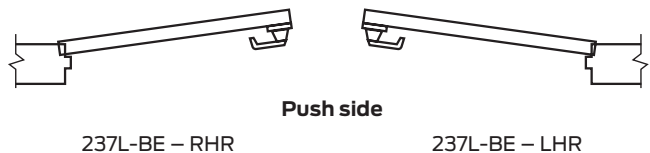
1. Model number 237L-BE.
2. Optional second control, 378L or 378L-BE.
3. Handing (see charts below).
4. Finish.

Optional lever styles are available



Handing – how to order

Outswing door application



NOTE: For inswing door applications that require locking on the push side, consult factory. Outswing door will be assumed if not specified.

Mullions

Mullions

Removable steel mullions Mullions provide single door performance in double door openings with rim devices. Mullions are easily removed by loosening bottom set screw and removing top fitting cover. The top mullion fitting is attached to the frame and is concealed by the fitting cover.

Steel mullions are 2" (51mm) wide and 3" (76mm) deep, with a wall thickness of $\frac{1}{8}$ " (3mm).

Mullions are shipped with mounting screws and prepared for strikes. Strikes are not included except where indicated.

Steel mullions are available in SP28 and SP313 finishes. Consult factory for other powder coat finish options.

KR – Keyed removable steel mullions makes removal faster and easier by a single operation of the mortise cylinder. Once mullion is removed, large equipment or furniture can freely pass through the opening. The unit will self lock when re-installed, without use of the cylinder key. Uses a $1\frac{1}{4}$ " mortise cylinder with a straight cam (Schlage cam reference B502-191). Cylinders are sold separately. Prefix mullion model with "KR".

Removeable aluminum mullions are $1\frac{1}{16}$ " (27mm) wide on face closest to the door and $2\frac{3}{8}$ " (60mm) at the widest point. The depth is $3\frac{1}{8}$ " (79mm) with a wall thickness of $\frac{1}{8}$ " (3mm).

Aluminum mullions are available in US4, US10, US28, 313 and 315 finishes. Consult factory for other powder coat finish options.

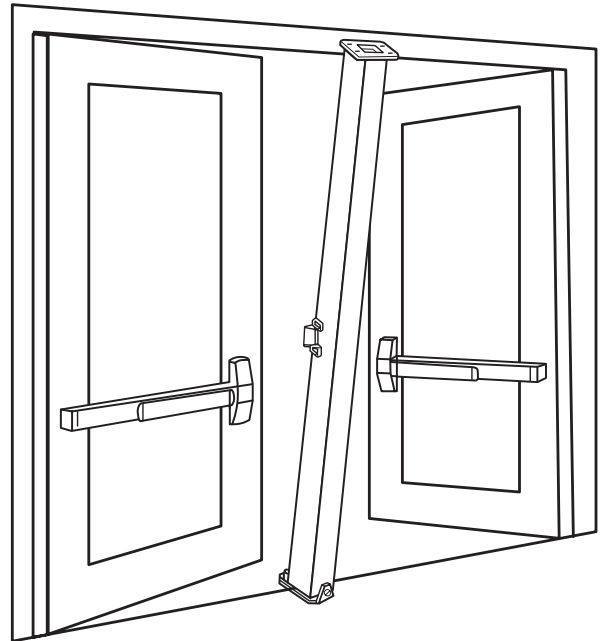
Stock Hollow Metal Applications for devices mounted to cover ANSI 161 cutouts are higher than the standard mullion strike location. Consult the factory for special strike preparation or order a blank mullion. See below.

Blank Mullions are furnished without strike preparation. They are used to mount devices at a strike height different from the standard mullion preparation.

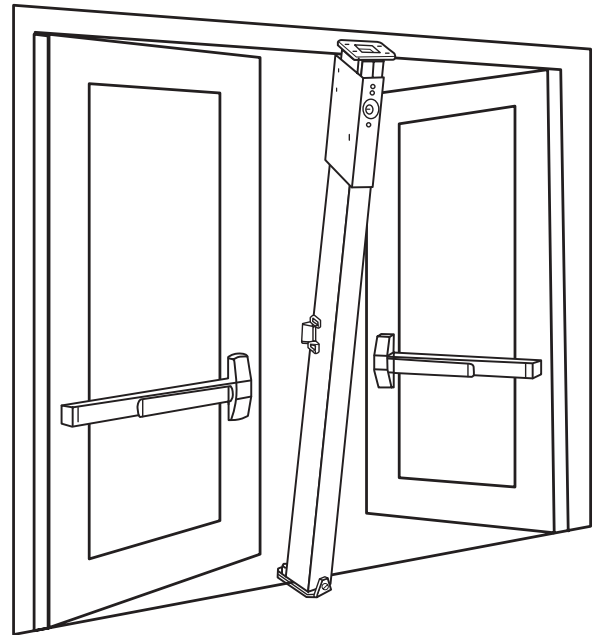
To order, specify:

1. For keyed Removable option on steel mullions, prefix model number with "KR"
2. Model number.
3. Height of opening
4. Finish
5. Handing if required.
6. Centerline deviation (refer to device template for standard centerline).
7. Strikes, when required, should be ordered with device.
8. For keyed Removable option on steel mullions, prefix model number with "KR"

Removable mullions



Keyed removable steel mullions




Mullions

Steel mullions

1654 Prepared for two 1606 strikes. **If 1606 strikes are not specified on the order, two per mullion will be added. Additional charges apply.**

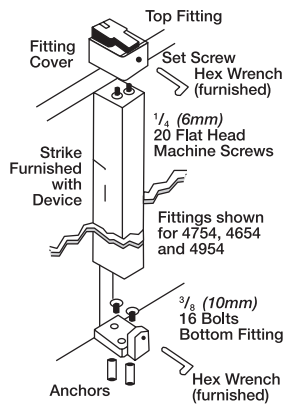
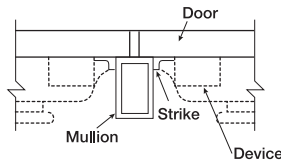
4954 Prepared for 264 or 299 strikes. For use with all Von Duprin Panic rim devices. **Note: specify strike choice with device.**

 **9954** Prepared for and must be used with two 268 strikes (88-F device), or two 499F (22-F, 98-F, 99F devices). UL fire labeled mullion for up to 3 hour opening using Von Duprin fire exit rim devices. This mullion is not easily removed due to special fittings.

22-F and 88-F devices are rated up to 8' x 8" (2438mm x 2438mm).


98-F and 99-F devices are rated up to 10'0" (3048mm).

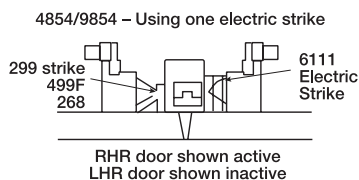
Note: If 268 or 499F strikes are not specified on the order, two per mullion will be added. Additional charges apply.



4754 Prepared for two 4263 monitor strikes.

4854 Prepared for one 299 and one 6111 electric strike. Indicate handing for electric strike.

 **9854** Prepared for one 268 or 499F strike and one 6111 electric strike. Indicate handing for electric strike. UL fire labelled mullion for up to 3 hour openings up to 8' x 8' (2438mm x 2438mm) using Von Duprin Fire Exit Rim Devices



Aluminum mullions

5654 Prepared for two 264 or 299 strikes with weatherstripping. Includes one set of 154 stabilizers.

5754 Prepared and furnished with one 1408 double door strike. Includes one 154 stabilizer set. Note: specify device "less strike".

Sizes for mullions

1654, 4954, 4754, 4854, 5654	9854, 9954
7' 2" (2184mm)	7' 3" (2210mm)
*8' 2" (2489mm)	8' 3" (2475mm)
*10' 2" (3099mm)	10' 3" (3124mm)

KR1654, KR4954, KR4754, KR4854 KR9854**, KR9954***

7' 6" (2286mm)	7' 5" (2261mm)
8' 6" (2591mm)	*8' 5" (2565mm)
10' 6" (3200mm)	*10' 5" (3175mm)

* Only qualifying applications will be provided with UL Label.

** Fire rated same as 9854

*** Fire rated same as 9954

Angle plate is used with narrow transom frames. The plate attaches to the transom extending the surface area needed to mount the mullion. Must be ordered separately. Specify finish.



154 Stabilizer is a two-piece interlocking set. One piece mounts on the mullion with the top mounting hole 5³/₁₆" (148mm) below the centerline of the strike; the other piece mounts on the door. Shims are provided to adjust for misalignment between the door and mullion.

The set maintains integrity between the door and mullion to prevent vandalism and to ensure contact between the device and strike as the doors expand and contract with temperature changes.

Furnished standard on aluminum mullions; optional for steel and all blank steel mullions.



MT54 Storage kit is a set of floor and wall brackets that provide convenient storage of the keyed removable mullion when removed from the opening.

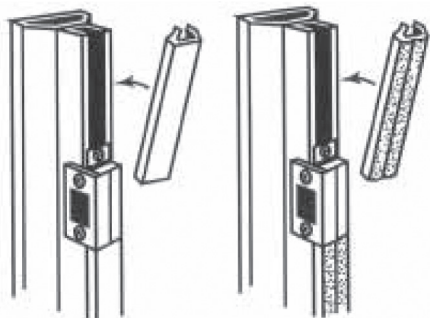
To order, specify

1. Model MT54.
2. Finish SP28, SP313, or SPBLK

Weatherstripping

Weatherstripping

Weatherstripping prevents cold air from blowing between doors and mullion. It also serves as a silencer when the door is closed against the mullion. The silicone treated weatherstrip pile is bonded to a polypropylene backing. A slide-in molding houses the weatherstripping, covers mounting screws of the strike and extends to both the top and bottom of the mullion. Available on aluminum mullions only.



Standard edging

Edging with weatherstripping

About Allegion

Allegion (NYSE: ALLE) creates peace of mind by pioneering safety and security. As a \$2 billion provider of security solutions for homes and businesses, Allegion employs more than 8,000 people and sells products in more than 120 countries across the world. Allegion comprises more than 25 global brands, including strategic brands CISA®, Interflex®, LCN®, Schlage® and Von Duprin®.

For more, visit www.allegion.com

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VON DUPRIN®

22 Series

Exit device



Introduction

Exit devices are a critical part of the Fire and Life Safety egress system and will provide safe and reliable service when properly applied and maintained. Von Duprin designs and manufactures exit devices in accordance to ISO 9001 Quality Management System and meets or exceeds accepted U.S. domestic and International standards. All 22 Series exit devices are UL listed for Panic Hardware or Fire Hardware, and are certified to ANSI A156.3, Grade 1. Consult your local consultant or the Von Duprin factory for current listings.

It is intended that the information included in this publication, when properly used, will provide clear and reliable guidelines to the proper general selection and application. However, the scope of the information is necessarily limited.

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Surface mounted

Vertical rod devices

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2227-F Trim	15



Options and accessories

Applications & trim operation	Double door applications Door handing Outside trim operation Lever styles
Trim selection	Optional trim Lever designs Operation options
Strike options/ Stile information	Strikes Stiles

Electrical accessories	ALK – Alarm kit LX – Latch bolt monitoring RX – Request to exit RX2 – Double request to exit CON – Allegion Connect
Mechanical options	LBR – Less bottom rod LD – Less dogging PL – Pullman latch AX – Accessible device
Device accessories	Cover plate kit Cylinders EPT – Electrical power transfer GBK – Glass bead kit PS902 – Alarm kit power supply Rod and latch guards
Additional information	ANSI Function, grade & type Device, latch and rod dimensions UL fire labeling and opening size How-to-order information Popular double door applications Nomenclature
Finishes	Standard finishes

Symbols



Indicates fire rated application



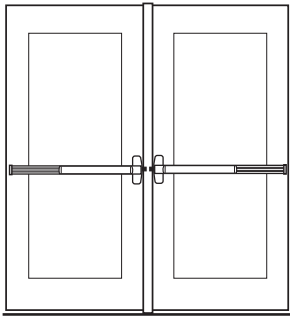
Indicates ADA products

Nomenclature – how to order

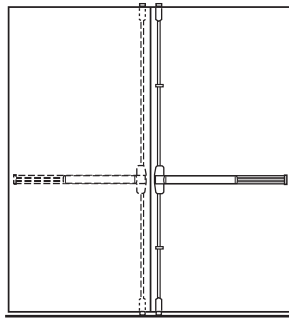
LD	Less dogging	RX	22	27	L	F	SP28	RHR	06	ALK	3'
LX	Latchbolt monitor switch										
LXLC	Latchbolt monitor switch, low current										
RX	Request to exit										
RXLC	Request to exit, low current										
RX2	Double request to exit										
AX	Accessible device										
22	22 Series										
None	Rim device										
27	Surface mounted vertical rod device										
DT	Dummy trim										
EO	Exit only										
K	Knob (Classroom)										
K-BE	Knob - blank escutcheon										
L	Lever (Classroom) (L-NL not available)										
L-BE	Lever - blank escutcheon (Passage)										
NL	Night latch (Key retracts latchbolt)										
NL-OP	Night latch cylinder assembly, optional pull										
TP	Thumbpiece										
TP-BE	Thumbpiece - blank escutcheon (Passage)										
None	Panic exit device										
F	Fire exit device										
Finishes	SP28, SP313										
LHR	Left hand reverse										
RHR	Right hand reverse										
XX	06 (Standard) 03 17										
LBR	Less bottom rod										
SNB	Sexbolts										
ALK	Alarm kit										
GBK	Glass bead kit										
CYL	Cylinder										
PL	Pullman latch										
SEC	Security screws										
	Optional trim										
	Optional strike										
CON	Allegion Connect										
Door width	3' (Standard), advise if different Only available up to 48"										
Door height	7' (Standard), advise if different										
Door thickness	1¾" (Standard), up to 2 1/4"										
Door/frame material											
HM	Hollow metal (standard)										
WD	Wood (standard)										
AL	Aluminum										
Device ctr. Line	See specifications, advise if different than standard										
Door applicaion											
SGL	Single (standard for rim)										
PR	Pair (standard for surface vertical)										
DE	Double egress (surface vertical)										
Door listing	3 Hour 1½ Hour 1 Hour 45 Minute 20 Minute										

Popular double door applications

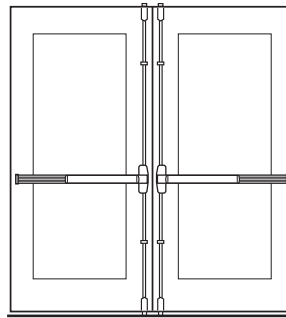
Double door applications



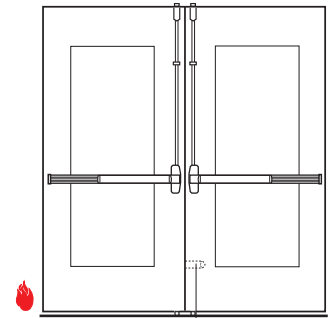
Two rim devices with mullion—same direction, panic or fire device



Two vertical rods—double egress, panic or fire device (LBR-F device can be used on double-egress)

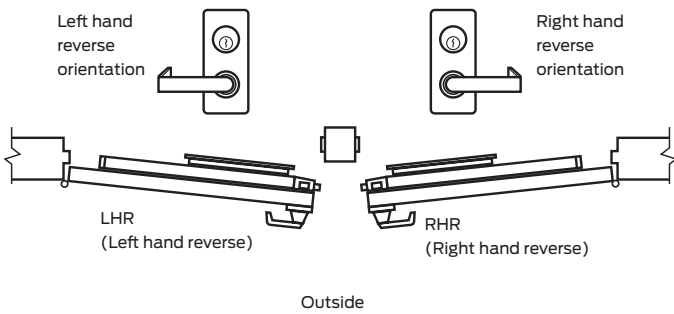


Two surface mounted vertical rod devices—same direction (do not use with overlapping astragal)



Two FEH vertical rods with auxiliary fire pin-LBR option (Don't use overlapping astragal on pair swinging same direction)

Door handing



Outside trim operation

Standard trim

Features

- Bi directional lever rotation
- Field reversible handing

Lever trim operation



Standard operation
Key locks and unlocks lever.



Blank escutcheon
Lever always active. BE suffix, e.g., 230L-BE.

Lever styles

Standard levers



03
Knurling available



06
Default lever
Knurling available



17
Knurling available

22 Rim exit device



22 Rim exit device for all types of single and double doors with mullion, UL listed for Panic Exit Hardware. Devices are ANSI A156.3, 2008 Grade 1. Covers stock hollow metal doors with 161* cutouts. Fits door stiles as narrow as 3¹³/₁₆" (97 mm). The device is non-handed.

Finishes – SP28 & SP313.

*Not applicable with all strike and mullion combinations, consult factory.



The 299 Strike ships standard, optional strikes available

Hex key dogging comes standard on 22 Rim exit device



Specifications	
Device functions	Ships ready for all functions, EO, DT, NL, TP, K, L
Device lengths	3' (914 mm) see minimum door opening chart at bottom of page 4' (1219 mm) see minimum door opening chart at bottom of page
Device centerline from finished floor	39 ¹³ / ₁₆ " (1011 mm) 39 ¹¹ / ₁₆ " (1008 mm) with mullion
Center case dimensions	4 ¹ / ₄ " (108 mm) x 1 ³ / ₈ " (41 mm) x 2 ³ / ₈ " (60 mm)
Mechanism case dimensions	2" (51 mm) x 3 ³ / ₄ " (95 mm)
Projection push bar	Push bar neutral - 3 ³ / ₄ " (95 mm) push bar depressed - 3" (76 mm)
Latch bolt	Deadlocking, 3/4" (19 mm) throw
Fasteners & sex bolts (SNB)	Includes 1 ³ / ₄ " (44 mm) and 2 ¹ / ₄ " (57 mm) wood & metal doors optional SNB available for device
Electric options	LX latchbolt monitor switch RX pushpad monitor switch RX2 double pushpad monitor switch ALK alarm exit kit CON Allegion Connect
Mechanical options	GBK glass bead kit AX accessible device
Dogging feature	Hex key dogging standard
Dogging options	LD less dogging
Strikes	299 – Dull black

Minimum door opening chart

Stop height	Strike	Single door	Double door w/mullion	Minimum door opening for 3' device*	Minimum door opening w/ALK*
1/2"	299	Yes	—	26.500" (673mm)	33.250" (845mm)
1/2"	1439	Yes	—	25.687" (652mm)	32.437" (824mm)
1/2"	299	—	4754/4854/4954	27.000" (686mm)	33.750" (857mm)
1/2"	299	—	5654	25.812" (656mm)	32.562" (827mm)
1/2"	1408	—	5754	25.750" (679mm)	32.500" (826mm)
1/2"	1606	—	1654	26.562" (675mm)	33.312" (846mm)
5/8"	299	Yes	—	26.750" (679mm)	33.500" (851mm)
5/8"	1439	Yes	—	25.937" (659mm)	32.687" (830mm)
5/8"	299	—	4754/4854/4954	27.125" (689mm)	33.875" (860mm)
5/8"	299	—	5654	26.687" (678mm)	33.437" (849mm)
5/8"	1408	—	5754	25.875" (657mm)	32.625" (829mm)
5/8"	1606	—	1654	26.687" (678mm)	33.437" (849mm)

*For 4' device, add 6" (152mm)

AX

Accessible device

- UL certified to meet new 5 lb. maximum operating force requirement
- Exceeds ANSI/BHMA requirements

RX

Pushpad monitor switch

- Signals use of an opening
- SPDT switch to monitor pushpad

RX2

Double pushpad monitor switch

- Uses two RX switches

ALK

Alarm exit kit

- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key

LX

Latchbolt monitor switch





- Signals use of opening
- SPDT Switch to monitor latchbolt

CON



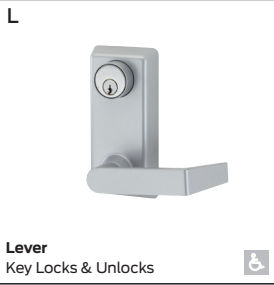
Allegion Connectors

- Common connectors to connect various door hardware all the way to the power supply

Standard trim

	EO	DT	NL	NL-OP
				
Product description	22EO	22DT	22NL	22NL-OP
Trim description	—	210DT*	210NL*	110NL-MD* 110NL-WD*
Escutcheon plate size	—	5 ³ / ₈ " x 4 ²⁵ / ₃₂ " x 3 ³ / ₃₂ " (137 x 121 x 2 mm)	5 ³ / ₈ " x 4 ²⁵ / ₃₂ " x 3 ³ / ₃₂ " (137 x 121 x 2 mm)	—
Pull center to center	—	—	—	—
Projection	—	1 ³¹ / ₃₂ " (42 mm)	1 ³¹ / ₃₂ " (42 mm)	—
ANSI function	01	02	03	03
Cylinder type	—	—	Rim	Rim
Handing	—	—	—	—
Optional trim	230EO	230DT	230NL	—
Optional #425 sex bolt quantity for device	6 (with no trim) 2 (with EO trim)	2	2	6

*ANSI/BHMA A156.3 (2001) Grade 1 trim

	TP	K	L
			
Product description	22TP	22K	22L
Trim description	230TP*	210K	230L*
Escutcheon plate size	3" x 12 ¹ / ₁₆ " x 3 ³ / ₃₂ " (76 x 306 x 2 mm)	3" x 4 ²⁵ / ₃₂ " x 3 ³ / ₃₂ " (76 x 121 x 2 mm)	3" x 6 ³ / ₈ " x 1 ⁵ / ₁₆ " (76 x 162 x 24 mm)
Pull center to center	5 ¹ / ₂ " (140 mm)	—	—
Projection	2" (51 mm)	2 ¹⁵ / ₁₆ " (75 mm)	2 ⁵ / ₈ " (67 mm)
ANSI function	05	08	08
Cylinder type	1 ¹ / ₄ " Mortise	Furnished	1 ¹ / ₄ " Mortise
Handing	—	—	—
Optional trim	230TP-BE	210K-BE	230L-BE
Optional #425 sex bolt quantity for device	2	2	2

*ANSI/BHMA A156.3 (2008) Grade 1 trim

22-F Rim fire exit device



22-F Rim fire exit devices for all types of single doors up to 4' x 8' (1219 mm x 2438 mm) or 8' x 8' (2438 mm x 2438 mm) double doors with 9954 or 9854 mullion, UL listed for Fire Exit Hardware. Devices are ANSI A156.3 – 2008 Grade 1. Fits door stiles as narrow as 4³/₈" (111 mm). The device is non-handed.

Finishes – SP28 & SP313.



The 299F Strike ships standard, optional strikes available

499F Strike with 9854/9954 Mullion

Specifications

Device functions	Ships ready for all functions, EO, DT, NL, TP, K, L
Device lengths	3' (914 mm) see minimum door opening chart at bottom of page 4' (1219 mm) see minimum door opening chart at bottom of page
Device centerline from finished floor	39 ¹³ / ₁₆ " (1011 mm) 39 ¹¹ / ₁₆ " (1008 mm) with mullion
Center case dimensions	4 ¹ / ₄ " (108 mm) x 1 ³ / ₈ " (41 mm) x 2 ³ / ₈ " (60 mm)
Mechanism case dimensions	2" (51 mm) x 3 ³ / ₄ " (95 mm)
Projection push bar	Push bar neutral - 3 ³ / ₄ " (95 mm) Push bar depressed - 3" (76 mm)
Latch bolt	Deadlocking, 3/4" (19mm) throw
Fasteners & Sex bolts (SNB)	Includes 1 ³ / ₄ " (44 mm) and 2 ¹ / ₄ " (57 mm) wood & metal doors Optional SNB available for device (see next page for quantities)
Electric options	LX latchbolt monitor switch RX pushpad monitor switch RX2 double pushpad monitor switch ALK alarm exit kit CON Allegion Connect
Mechanical options	GBK glass bead kit AX accessible device
Dogging feature	No mechanical dogging
Strikes	299F, 499F for mullions – Dull black

AX

Accessible device

- UL certified to meet new 5 lb. maximum operating force requirement
- Exceeds ANSI/BHMA requirements

RX

Pushpad monitor switch

- Signals use of an opening
- SPDT switch to monitor pushpad

RX2

Double pushpad monitor switch

- Uses two RX switches

ALK

Alarm exit kit

- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key

CON

Allegion Connectors

- Common connectors to connect various door hardware all the way to the power supply

LX

Latchbolt monitor switch



- Signals use of opening
- SPDT Switch to monitor latchbolt

Minimum door opening chart

Stop height	Strike	Single door	Double door w/mullion	Minimum door opening for 3' device*	Minimum door opening w/ALK*
1/2"	299F/499F	Yes	—	26.500" (673 mm)	33.250" (845 mm)
1/2"	299F/499F	—	KR/9854/9954	27.000" (686 mm)	33.750" (857 mm)
5/8"	299F/499F	Yes	—	26.750" (679 mm)	33.500" (851mm)
5/8"	299F/499F	—	KR/9854/9954	27.125" (689 mm)	33.875" (860 mm)





*For 4' device, add 6" (152 mm)

Standard trim

	EO	NL	NL-OP
			
	No outside trim Exit only	Night latch Key retracts latchbolt	Night latch Key retracts latchbolt optional pull required
Product description	22EO-F	22NL-F	22NL-OP-F
Trim description	—	210NL**	110NL-MD** 110NL-WD**
Escutcheon plate size	—	5 ³ / ₈ " x 4 ²⁵ / ₃₂ " x 3 ³ / ₃₂ " (137 x 121 x 2 mm)	—
Pull center to center	—	—	—
Projection	—	1 ³¹ / ₃₂ " (42 mm)	—
ANSI function	01	03	03
Cylinder type	—	Rim	Rim
Handing	—	—	—
Optional trim	230EO	230NL	—
*Optional #425 sex bolt quantity for device	6 (with no trim) 2 (with EO trim)	2	6
*Additional 425 SNB for 499F strike	2	2	2

*Sex Bolts are required for wood fire doors

**ANSI/BHMA A156.3 (2008) Grade 1 trim

	TP	K	L
			
	Thumbpiece Key Locks & Unlocks	Knob Key Locks & Unlocks	Lever Key Locks & Unlocks 
Product description	22TP-F	22K-F	22L-F
Trim description	230TP**	210K	230L**
Escutcheon plate size	3" x 12 ¹ / ₁₆ " x 3 ³ / ₃₂ " (76 x 306 x 2 mm)	3" x 4 ²⁵ / ₃₂ " x 3 ³ / ₃₂ " (76 x 121 x 2 mm)	3" x 6 ³ / ₈ " x 1 ⁵ / ₁₆ " (76 x 162 x 24 mm)
Pull center to center	5 ¹ / ₂ " (140 mm)	—	—
Projection	2" (51 mm)	2 ¹⁵ / ₁₆ " (75 mm)	2 ⁵ / ₈ " (67 mm)
ANSI function	05	08	08
Cylinder type	1 ¹ / ₄ " Mortise	Furnished	1 ¹ / ₄ " Mortise
Handing	—	—	—
Optional trim	230TP-BE	210K-BE	230L-BE
*Optional #425 sex bolt quantity for device	2	2	2
*Additional 425 SNB for 499F strike	2	2	2

*Sex Bolts are required for wood fire doors

**ANSI/BHMA A156.3 (2008) Grade 1 trim

2227 Surface mounted vertical rod device



2227 Surface mounted vertical rod exit device for all types of single and double doors, UL listed for Panic Exit Hardware. Devices are ANSI A156.3 – 2008 Grade 1. Covers stock hollow metal doors with 86 or 161 cutouts. Fits door stiles as narrow as 3⁵/₈" (92 mm). The device is non-handed.

Finishes – SP28 & SP313.



Hex key dogging comes standard on 2227 Surface mounted vertical rod device



Specifications

Device functions	Ships ready for all functions, EO, DT, NL, TP, K, L
Device lengths	3' (914 mm) see minimum door opening chart at bottom of page 4' (1219 mm) see minimum door opening chart at bottom of page
Door height	7' (2134 mm) standard door height extension rods available for door heights up to 10' (3048mm) 12" (205 mm), door height 36" (914 mm), door height
Device centerline from finished floor	39 ¹³ / ₁₆ " (1011 mm)
Center case dimensions	4 ¹ / ₄ " (108 mm) x 1 ³ / ₈ " (41 mm) x 2 ³ / ₈ " (60 mm)
Mechanism case dimensions	2" (51 mm) x 3 ³ / ₄ " (95 mm)
Projection push bar	Push bar neutral - 3 ³ / ₄ " (95 mm) Push bar depressed - 3" (76 mm)
Door undercut	1 ¹ / ₄ " (7 mm) from finished floor recommended, 3 ³ / ₄ " (19mm) maximum or 1 ¹ / ₈ " (3mm) from threshold
Latch bolt	Deadlocking anti-friction top and bottom bolt, 5 ⁵ / ₈ " (16 mm) throw
Fasteners & sex bolts (SNB)	Includes 1 ³ / ₄ " (44 mm) and 2 ¹ / ₄ " (57 mm) wood & metal doors. Optional SNB available for device.
Electric options	LX latchbolt monitor switch RX pushpad monitor switch RX2 double pushpad monitor switch ALK alarm exit kit CON Allegion Connect
Mechanical options	PL pullman latch GBK glass bead kit RG rod guards LG latch guards
Dogging feature	Hex key dogging standard
Dogging options	LD less dogging
Strikes	299 – Dull black Bottom 248L-4 and 304L – unfinished

LX
Latchbolt monitor switch

- Signals use of opening
- SPDT Switch to monitor latchbolt

RX
Pushpad monitor switch

- Signals use of an opening
- SPDT switch to monitor pushpad

RX2
Double pushpad monitor switch

- Uses two RX switches

ALK
Alarm exit kit

- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key

CON
Allegion Connectors





- Common connectors to connect various door hardware all the way to the power supply

Minimum door opening chart



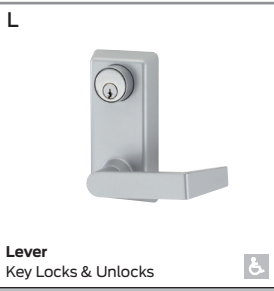
Stop height	Strike	Single door	Double door w/mullion	Minimum door opening for 3' device*	Minimum door opening w/ALK*
1/2"	N/A	Yes	Vert. x Vert.	25.875" (657 mm)	32.625" (829 mm)
5/8"	N/A	Yes	Vert. x Vert.	26.000" (664 mm)	32.750" (832 mm)

*For 4' device, add 6" (152 mm)

Standard trim

	EO	DT	NL	NL-OP
				
Product description	2227EO	2227DT	2227NL	2227NL-OP
Trim description	—	210DT*	210NL*	110NL-MD* 110NL-WD*
Escutcheon plate size	—	5 ³ / ₈ " x 4 ²⁵ / ₃₂ " x 3 ³ / ₃₂ " (137 x 121 x 2 mm)	5 ³ / ₈ " x 4 ²⁵ / ₃₂ " x 3 ³ / ₃₂ " (137 x 121 x 2 mm)	—
Pull center to center	—	—	—	—
Projection	—	1 ³¹ / ₃₂ " (42 mm)	1 ³¹ / ₃₂ " (42 mm)	—
ANSI function	01	02	03	03
Cylinder type	—	—	Rim	Rim
Handing	—	—	—	—
Optional trim	230EO	230DT	230NL	—
Optional #425 sex bolt quantity for device	6 (with no trim) 2 (with EO trim)	2	2	6

*ANSI/BHMA A156.3 (2008) Grade 1 trim

	TP	K	L
			
Product description	2227TP	2227K	2227L
Trim description	230TP*	210K	230L*
Escutcheon plate size	3" x 12 ¹ / ₁₆ " x 3 ³ / ₃₂ " (76 x 306 x 2 mm)	3" x 4 ²⁵ / ₃₂ " x 3 ³ / ₃₂ " (76 x 121 x 2 mm)	3" x 6 ³ / ₈ " x 1 ⁵ / ₁₆ " (76 x 162 x 24 mm)
Pull center to center	5 ¹ / ₂ " (140 mm)	—	—
Projection	2" (51 mm)	2 ¹⁵ / ₁₆ " (75 mm)	2 ⁵ / ₈ " (67 mm)
ANSI function	05	08	08
Cylinder type	1 ¹ / ₄ " Mortise	Furnished	1 ¹ / ₄ " Mortise
Handing	—	—	—
Optional trim	230TP-BE	210K-BE	230L-BE
Optional #425 sex bolt quantity for device	2	2	2

*ANSI/BHMA A156.3 (2008) Grade 1 trim

2227-F Surface mounted vertical rod fire exit device



2227-F Surface mounted vertical rod fire exit device for pairs of doors up to 8' x 10' (2438 mm x 3048 mm), UL listed for Fire Exit Hardware. Devices are ANSI A156.3 – 2008 Grade 1. Fits door stiles as narrow as 3 5/8" (92 mm). See opposite page for available outside trim and device functions. The device is non-handed.

Finishes – SP28 & SP313.



Specifications	
Device functions	Ships ready for all functions, EO, DT, NL, TP, K, L
Device lengths	3' (914 mm) see minimum door opening chart at bottom of page 4' (1219 mm) see minimum door opening chart at bottom of page
Door height	7' (2134 mm) standard door height extension rods available for door heights up to 10' (3048mm) 12" (205 mm), door height 36" (914 mm), door height
Device centerline from finished floor	39 13/16" (1011 mm)
Center case dimensions	4 1/4" (108 mm) x 1 3/8" (41 mm) x 2 3/8" (60 mm)
Mechanism case dimensions	2" (51 mm) x 3 3/4" (95 mm)
Projection push bar	Push bar neutral - 3 3/4" (95 mm) Push bar depressed - 3" (76 mm)
Door undercut	1/4" (7 mm) from finished floor recommended
Latch bolt	Deadlocking anti-friction top and bottom bolt, 5/8" (16 mm) throw
Fasteners & sex bolts (SNB)	Includes 1 3/4" (44 mm) and 2 1/4" (57 mm) wood & metal doors. Optional SNB available for device.
Electric options	LX latchbolt monitor switch RX pushpad monitor switch RX2 double pushpad monitor switch ALK alarm exit kit CON Allegion Connect
Mechanical options	PL pullman latch GBK glass bead kit RG rod guards LG latch guards
Dogging feature	No mechanical dogging
Strikes	Top 299F – (499F LBR) – Dull black Bottom 304L – Unfinished

Minimum door opening chart

Stop height	Strike	Single door	Double door w/mullion	Minimum door opening for 3' device*	Minimum door opening w/ALK*
1/2"	N/A	Yes	Vert. x Vert.	25.875" (657 mm)	32.625" (829 mm)
5/8"	N/A	Yes	Vert. x Vert.	26.000" (664 mm)	32.750" (832 mm)

*For 4' device, add 6" (152 mm)

RX
Pushpad monitor switch

- Signals use of an opening
- SPDT switch to monitor pushpad

RX2
Double pushpad monitor switch

- Uses two RX switches

ALK
Alarm exit kit

- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key



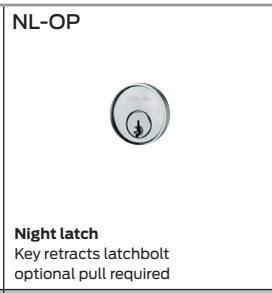
CON
Allegion Connectors

- Common connectors to connect various door hardware all the way to the power supply


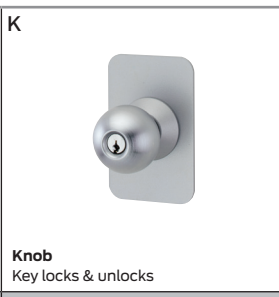

LX
Latchbolt monitor switch

- Signals use of opening
- SPDT Switch to monitor latchbolt

Standard trim

	EO	NL	NL-OP
			
Product description	2227EO-F	2227NL-F	2227NL-OP-F
Trim description	—	210NL**	110NL-MD** 110NL-WD**
Escutcheon plate size	—	5 ³ / ₈ " x 4 ²⁵ / ₃₂ " x 3 ³ / ₃₂ " (137 x 121 x 2 mm)	—
Pull center to center	—	—	—
Projection	—	1 ³¹ / ₃₂ " (42 mm)	—
ANSI function	01	03	03
Cylinder type	—	Rim	Rim
Handing	—	—	—
Optional trim	230EO	230NL	—
*Optional #425 sex bolt quantity for device	6 (with no trim) 2 (with EO trim)	2	6
*Additional 425 SNB for 499F strike	2	2	2

*Sex Bolts are required for wood fire doors
**ANSI/BHMA A156.3 (2008) Grade 1 trim

	TP	K	L
			
Product description	2227TP-F	2227K-F	2227L-F
Trim description	230TP**	210K	230L**
Escutcheon plate size	3" x 12 ¹ / ₁₆ " x 3 ³ / ₃₂ " (76 x 306 x 2 mm)	3" x 4 ²⁵ / ₃₂ " x 3 ³ / ₃₂ " (76 x 121 x 2 mm)	3" x 6 ³ / ₈ " x 1 ⁵ / ₁₆ " (76 x 162 x 24 mm)
Pull center to center	5 ¹ / ₂ " (140 mm)	—	—
Projection	2" (51 mm)	2 ¹⁵ / ₁₆ " (75 mm)	2 ⁵ / ₈ " (67 mm)
ANSI function	05	08	08
Cylinder type	1 ¹ / ₄ " Mortise	Furnished	1 ¹ / ₄ " Mortise
Handing	—	—	—
Optional trim	230TP-BE	210K-BE	230L-BE
*Optional #425 sex bolt quantity for device	2	2	2
*Additional 425 SNB for 499F strike	2	2	2

*Sex Bolts are required for wood fire doors
**ANSI/BHMA A156.3 (2008) Grade 1 trim

22 Optional trim

210 Series trim







The 210DT and 210NL have a heavy 10 gauge (2.4mm) stainless steel escutcheon. Rim Cylinder must be ordered separately for the 210NL trim. The 210K knob trim has a 10 gauge (2.4mm) steel escutcheon and uses the Schlage "A" orbit knob with six pin "C" keyway.

110NL Cylinder kit

Cylinder kit is available MD for metal doors or WD for wood doors. Metal door application supplied standard if door material is not specified. When ordering with device, specify function NL-OP. Rim Cylinder must be ordered separately.

230 Series trim

The 230EO, 230DT, 230NL and 230TP have a heavy 10 gauge (2.4mm) steel escutcheon. The 230L has a cast zinc $\frac{3}{4}$ " (19mm) depth escutcheon. #06 lever style furnished standard, #03 and #17 optional style levers are available. 230L furnished RHR if handing is not specified. Cylinder must be ordered separately for the 230NL, 230TP and 230L trims.

	EO	DT	NL	TP-BE	L-BE	K-BE
						
	Exit only plate	Dummy trim pull when dogged	Night latch key retracts latch bolt	Thumbpiece blank escutcheon always operable, no cylinder	Lever blank escutcheon always operable, no cylinder	Knob blank escutcheon always operable, no cylinder
Trim description	230EO	230DT**	230NL**	230TP-BE**	230L-BE**	210K-BE
Escutcheon plate size	3" x 12 $\frac{1}{16}$ " x $\frac{3}{32}$ " (76 x 306 x 2 mm)	3" x 12 $\frac{1}{16}$ " x $\frac{3}{32}$ " (76 x 306 x 2 mm)	3" x 12 $\frac{1}{16}$ " x $\frac{3}{32}$ " (76 x 306 x 2 mm)	3" x 12 $\frac{1}{16}$ " x $\frac{3}{32}$ " (76 x 306 x 2 mm)	3" x 6 $\frac{3}{8}$ " x $\frac{15}{16}$ " (76 x 162 x 24 mm)	3" x 4 $\frac{25}{32}$ " x $\frac{3}{32}$ " (76 x 121 x 2 mm)
Pull center to center	—	5 $\frac{1}{2}$ " (140 mm)	5 $\frac{1}{2}$ " (140 mm)	5 $\frac{1}{2}$ " (140 mm)	—	—
Projection	—	2" (51 mm)	2" (51 mm)	2" (51 mm)	2 $\frac{3}{8}$ " (67 mm)	2 $\frac{15}{16}$ " (75 mm)
ANSI function	01	02	03	—	—	—
Cylinder type	—	—	Rim	—	—	—
*Optional #425 sex bolt quantity for device	2	2	6	—	2	2
*Additional 425 SNB for 499F strike	2	2	2	2	2	2

*Sex Bolts are required for wood fire doors

**ANSI/BHMA A156.3 (2008) Grade 1 Trim

22 Strike/Stile information

Strikes for rim devices

<p>264</p> <p>Projection $\frac{9}{16}$" (14 mm)</p>	<p>299</p> <p>Projection $\frac{13}{16}$" (21 mm)</p>	<p>299F</p> <p>Projection $\frac{13}{16}$" (21 mm)</p>	<p>499F</p> <p>Projection $\frac{15}{16}$" (24 mm)</p>
<p>1408</p> <p>Used with 5754 Mullion One per pair of doors</p>	<p>1410—Integral Stop</p> <p>Projection $\frac{1}{2}$" (13 mm)</p>	<p>1439—Blade Stop***</p> <p>Projection $\frac{1}{2}$" (13 mm)</p>	<p>1606</p> <p>Projection $\frac{3}{8}$" (10 mm)</p>
<p>1609**</p> <p>(Not fire rated; requires coordinates)</p>			

Strikes for vertical rod devices

<p>248L-4</p> <p>Projection $\frac{3}{8}$" (10 mm)</p>	<p>260U—Flush transom only</p> <p>Projection $\frac{3}{8}$" (10 mm)</p>	<p>304L</p> <p>Mortise $\frac{13}{16}$" (21 mm)</p>	<p>385A</p> <p>Mortise $2\frac{1}{12}$" (64 mm)</p>
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Strikes 264, 299, 299F and 499F also available for vertical rod devices.

Device type	Standard single door		Standard double door		OPTIONAL single door		OPTIONAL double door	
	Strike	Stile	Application*	Stile	Strike	Stile	Application*	Stile
22	299	$4\frac{3}{4}$ " (121 mm)	299 x 4954	$4\frac{3}{4}$ " (121 mm)	1439	$3\frac{3}{16}$ " (97 mm)	299 w/5654	$4\frac{1}{4}$ " (108 mm)
					1410	$3\frac{3}{16}$ " (97 mm)	1408 w/5754	$3\frac{3}{16}$ " (97 mm)
					1606	$3\frac{15}{16}$ " (100 mm)	1606 w/1654	$4\frac{1}{4}$ " (108 mm)
					—	—	1609 w/vertical rod**	$4\frac{3}{8}$ " (111 mm)
22-F	299F	$4\frac{3}{8}$ " (111 mm)	499F x 9954	$4\frac{7}{8}$ " (124 mm)	—	—	—	
2227 Latch Retraction	299 (Top) 299 (Middle) 304L/284-L (Bottom)	$3\frac{5}{8}$ " (92 mm)	Two Vertical Rods	$3\frac{5}{8}$ " (92 mm)	260U Top 385A Bottom	$3\frac{5}{8}$ " (92 mm)	Two Vertical Rods	$3\frac{5}{8}$ " (92 mm)
2227 Pullman Latch	299 (Top) 284-L (Bottom)	$3\frac{5}{8}$ " (92 mm)	Two Vertical Rods	$3\frac{5}{8}$ " (92 mm)	260U Top	$3\frac{5}{8}$ " (92 mm)	Two Vertical Rods	$3\frac{5}{8}$ " (92 mm)
2227-F	299 (Top) 304L (Bottom)	$3\frac{5}{8}$ " (92 mm)	Two Vertical Rods	$3\frac{5}{8}$ " (92 mm)	260U-SS	4"	4"	4"

*Mullion information, refer to General and Auxiliary Catalog.

**Not for UL Fire exit hardware. Must be used with a coordinator.

***Replaces 1409 Strike

Note: On a Rim/Vertical rod application for a pair of doors, the 1609 strike extends off the edge of the door into the opening.

22 Electrical options

Power supplies

PS902

Overview:

The PS902 is an AC power supply that provides 24 VDC power to operate the ALK alarm kit. The unit will power up to 6 alarm kits.

Note: PS902-BB provides power in case of an AC power failure.



EPT Electrical power transfer

Electric Power Transfer provides a means of transferring electrical power from a door frame to the edge of a swinging door. The units are completely concealed when the door is in the closed position, and are ideal for installations involving abuse or heavy traffic.



Two models are available; EPT-2, two 18 gauge wires and EPT-10, ten 24 gauge wires.

Door applications:

up to 5" butt hinges – 180° swing,
5 1/2" butt hinges – 130° swing,
6" butt hinges – 110° swing,
3/4" butt offset pivots 180° swing.
Swing clear hinge – 90° max. swing

Finishes to order, specify:

SP28 (sprayed aluminum) 1. EPT-2 or EPT-10.
SP313 (sprayed duranodic). 2. Finish, SP28 or SP313.

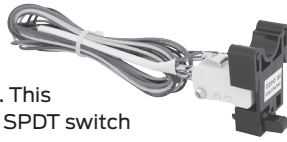
Dimensions

Housing	9" x 1 1/4" x 1 5/8" (229mm x 32mm x 38 mm)
EPT-2	Two 18 gauge wires, Up to 2 AMPS @ 24 VDC with a 16 amp maximum surge
EPT-10	Ten 24 gauge wires, up to 1 amp @ 24 VDC with a 16 amp maximum surge

22 Electrical options

RX Request to exit

The RX (Request to exit) feature is used to signal the use of an opening. This device is equipped with one internal SPDT switch which monitors the pushpad.



The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply.

The RX switch option should not be used to control a load, but as a signalling switch (0.5 amps. resistive maximum).

The RX switch is available in a low current (LC) switch. Most commonly used in computer operated monitoring systems.

To order, specify:

- Standard – Use prefix RX, example RX22EO
- Low Current – Use prefix RX-LC, example RX-LC22EO

RX2 Double request to exit

The RX2 feature uses two RX switches.

To order, specify:

- Standard – Use prefix RX2, example RX22EO

LX Latchbolt monitoring



The LX feature is used to signal the use of an opening. This device is equipped with one internal SPDT switch which monitors the latch bolt.

The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply.

The LX switch option should not be used to control a load, but as a signalling switch (0.5 amps. resistive maximum).

The LX switch is available in a low current (LC) switch. Most commonly used in computer operated monitoring systems.

To order, specify:

- Standard – use prefix LX, example LX22EO
- Low Current – use prefix LX-LC, example LX-LC22EO

Electrical rating for all switches:

- Standard – up to 0.5 Amp @ 24VDC Maximum
- Low Current (LC) - up to 0.5 Amp @ 24VDC Maximum

Note: All switches can be either factory or field installed

ALK Alarm kit

The ALK battery alarm kit is a simple yet effective way to deter unauthorized use of an opening. While the exit device is still a means of egress, the ALK kit contains an internal horn. When the touch bar is depressed, the horn sounds to provide an audible means of signaling that the opening has been violated. The alarm kit can be armed or disarmed by key. The horn is rated at 85 decibel.

For hardware applications

The assembly includes both a 24VDC Input and External Inhibit standard. The External Inhibit provides remote arming and dis-arming.

The key switch uses a standard 1 1/4" (32mm) mortise cylinder with a straight cam (Schlage 20-001, B502-191 cam). The unit operates on one standard 9-volt alkaline battery. When the battery is weak, the horn will emit an intermittent low battery alert signal.

The alarm can automatically re-arm with a 1.5, 3 or 4.5 minute time delay upon request.

Alarm kits are available with a choice of two switch kits, RX or LX. RX monitors the touchpad and is furnished standard. LX optional latch bolt monitoring is recommended for use with surface vertical rod exit devices or when alarm needs to sound from both the exit device and trim side of the door. Specify ALK-LX.

The ALK includes a 6" x 20" decal for application on door "EMERGENCY EXIT ONLY. ALARM WILL SOUND.

To order, specify:

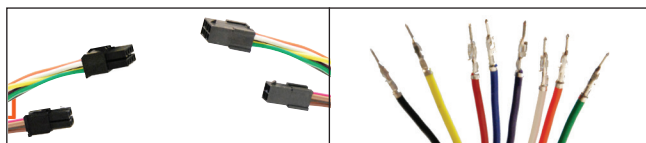
1. Standard, ALK
2. If AR desired, specify AR 1.5, 3 or 4.5

Minimum door opening sizes on ALK applications

Refer to device pages 8, 10, 12, and 14.

22 Electrical options

Allegion Connect



Allegion's cross-category Connect features common interconnect components to our electrified options. Allegion Connect is a quick and easy way to connect power sources; all the way from your power supply to locking device. There is no wire cutting; reducing installation and maintenance time ultimately cutting cost. After installation, Allegion's Connect continues to provide benefits throughout the lifetime of the opening by offering a service kit for repairs or modifications in the future.

Features and benefits

- Quick: common connections reducing installation time
- Perfect Connections: these factory installed connectors ensure the right wires match up every time
- Protective: the connectors protect the connection points throughout the installation process and lifetime of the opening
- Interchangeable: all Allegion Connect products utilize the same connectors
- Maintenance: you no longer need to cut away wire to disconnect Allegion products, also available is a service kit specifically for Connect products.

Harness length	Connectors on both ends	Connectors on one end, crimped pins on the other end
6 Inches	CON-6	CON-6P
12 Inches	CON-12	CON-12P
26 Inches	CON-26	CON-26P
32 Inches	CON-32	CON-32P
38 Inches	CON-38	CON-38P
44 Inches	CON-44	CON-44P
50 Inches	CON-50	CON-50P
192 Inches	CON-192	CON-192P

Power Supply Wire Harness = Connectors on one end, stripped leads on the other end, offering a direct connection to the power supply

6 Inches	CON-6W - wire extension to power supply
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Consult door manufacturer for harness length requirements.

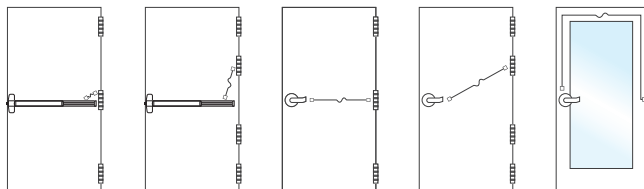
Note: You will need to purchase a separate wiring harness to go from exit device to hinge/EPT and an additional harness to go from hinge/EPT to power supply or access control system. Harness part numbers with ordering information can be located in the Schlage, Von Duprin and Falcon pricebooks. A service kit is available for order in the Schlage, Von Duprin and Falcon pricebooks. Included in this kit are male end plugs, female end plugs and pins to customize harnesses to your application.

Note: Must be ordered with exit devices and locks

How to order

1. Specify CON for Connect electronic options
Example: RX-22-EO-CON (22 Series with RX switch and connectors).
2. Specify harness length; Consult door manufacturer for harness length
3. Specify Von Duprin EPT10-CON or Ives 7200 power transfer hinge

Wire run options



22 Options & accessories

AX Accessible device

The AX device is a UL certified exit device designed to meet the progressive requirements of the California Building Code for accessible openings. This device meets the 5 lbs of operating force requirement called for in chapter 11B-309.4. The AX device also exceeds ANSI/BHMA requirements. Available devices include: AX22 Series, AX22-F Series. Additionally, all AX devices will be shipped with a new UL label clearly stating "Meets California Building Code (2013) Sec. 11B-309.4" and an "AX" identifier label on device center case. See images below for reference.

Note: device shown below for reference is a 98 Series exit device.



LBR Less bottom rod

LBR option for fire exit devices is available using a spring loaded auxiliary fire pin installed in the lower door edge. When exposed to heat the auxiliary fire pin releases, keeping the doors in alignment and closed during a fire.

LBR devices must be ordered in pairs of vertical rod devices, or must be used in conjunction with an approved automatic or constant latching flush bolt.

LD Less dogging

Less dogging is available on all 22 Series panic exit devices. **To order**, use prefix LD. Example LD22EO

PL Pullman latch

Pullman latches are always extended and are most commonly used in conjunction with electric strikes and LBR-less bottom rod applications. Not available with fire rated exit devices. Pullman latches do not deadlock and are not recommended for applications where security may be compromised. When the PL is specified the standard latches are replaced with Pullman style latches at an additional charge. See Pricebook for details.

GBK Glass bead kit

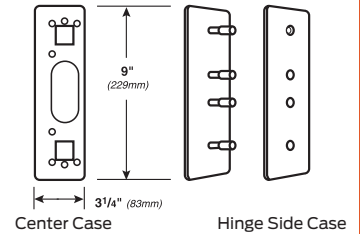
Glass bead kits are used on doors with raised glass beads. Each kit consists of 1/4" (6 mm) shim sets. GBK for surface vertical rod devices ship with 1/8" (3 mm) shims for rod guides. Shims are not required for top and bottom latches

To order, specify:

1. With device specify GBK in device description
2. To order separately, specify model 22GBK-R (rim), 22GBK-499F (rim), 22GBK-SV (vertical rod)
3. Finish, SP28 or SP313

229 Cover plate kit

Cover plate kit contains inside and outside plates for hinge stile cutouts, an inside plate for the lock stile, and necessary screws. Plates are designed to cover cutouts required by most existing exit device installations.



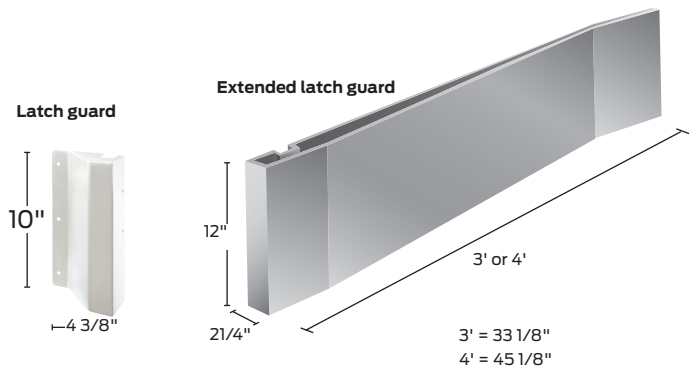
RG-27 Vertical rod and latch guard



RG-27 Series vertical rod and latch guards protect the bottom rods of exit devices from the damaging impacts of carts or gurneys passing through doors. (If bottom rods become damaged, the exit device will not function as intended and can jeopardize the ability to exit safely during an emergency.)

In addition to protecting the vertical rod, the guard provides a smooth, unobstructed surface so the door can be pushed open easily with the bumpers of a wheelchair. The latch guard portion is 10" high. The standard latch guard features a 45° ramp. The extended latch guard offers a continuous ramp in 3' or 4' widths.

All stainless steel construction in US32D finish. Latch guards can cover latches as large as 1 1/4"W x 10"H x 1 7/8" projection.



Models

- RGO** Rod guard only (Projection 1 3/16")
- RG-27** Rod and latch guard
- RG-27-3** 3' (914 mm) Rod Guard and Extended Latch Guard
- RG-27-4** 4' (1219 mm) Rod Guard and Extended Latch Guard
- LGO** Latch guard only
- LGO-3** 3' (914 mm) Extended latch guard only
- LGO-4** 4' (1219 mm) Extended latch guard only

Note: Not for use on wood fire doors, except with SLM (special laminate material) blocking.

To order, specify:

1. Model number.
2. Handing (except on RGO).
3. Door material if other than Hollow Metal.
4. Optional sex bolt mounting available.

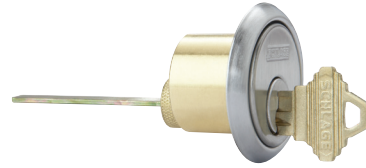
22 Device options & accessories

Cylinders

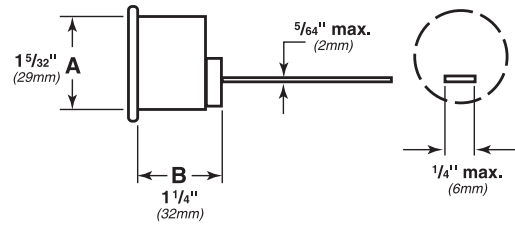
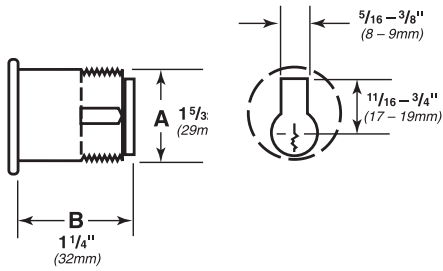
Cylinders are not furnished with device or trim and must be specified when ordering. Refer to trim pages for cylinder type.



Mortise — 3215 (Schlage 20-001, B502-191 cam)



Rim — 3216 (Schlage 20-022 cam)



UL Listings, grade, type, function options & dimensions

UL Listed — Fire exit hardware label/opening size

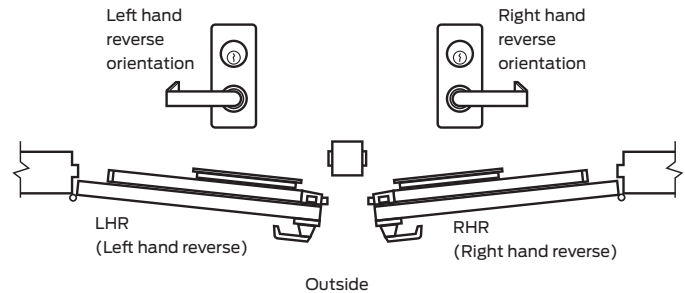
Exit device	Door material	Single door		Double door					
				With mullion		Same direction**		Double egress	
22-F	HM	3 Hour	4' x 8'	3 Hour	8' x 8'	—	—	—	—
22-F	WD	90 Minute	4' x 8'	90 Minute	8' x 8'	—	—	—	—
2227-F	HM	—	—	—	—	90 Minute*	8' x 10'	3 Hour	8' x 10'
2227-F	WD	—	—	—	—	20 Minute*	8' x 10'	90 Minute*	8' x 9'
2227-F	WD	—	—	—	—	90 Minute*	8' x 9'	—	—
2227-F-LBR	HM	—	—	—	—	90 Minute*	8' x 10'	3 Hour	8' x 10'
2227-F-LBR	WD	—	—	—	—	20 Minute*	8' x 10'	90 Minute*	8' x 9'
2227-F-LBR	WD	—	—	—	—	90 Minute*	8' x 9'	—	—

ANSI Function, grade & type

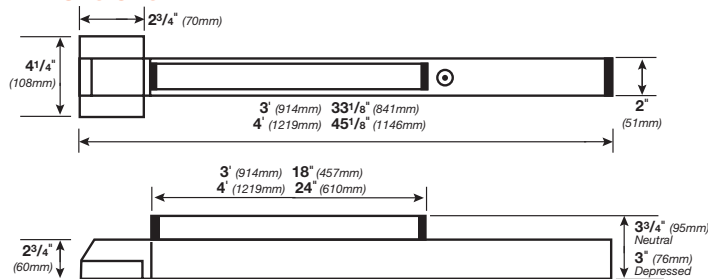
*UL listing for wood doors may be for a specific door manufacturer. Consult wood door manufacturers for current UL listings.
 **Currently, no door manufacturers offer a listing over 90 minutes with doors swinging same direction.

Function	Grade 1 type 1	Grade 1 type 2
01	22EO & 22EOF	2227EO & 2227EO-F
02	22DT	2227DT
03	22NL & 22NL-F	2227NL & 2227NL-F
05	22TP & 22TP-F	2227TP & 2227TP-F
08	22K & 22K-F	2227K & 2227K-F
08	22L & 22L-F	2227L & 2227L-F

Door handing

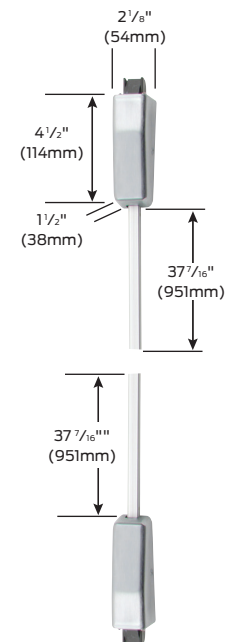


Dimensions





Vertical rod dimensions

Vertical rods are 1/2" (13 mm) square tubing



Finishes

Finishes*

	Color	US Number	BHMA Number
	Sprayed aluminum	SP28	689
	Sprayed dark bronze	SP313	695

* Note: Durable powder coated finishes available at specific special request. PLEASE CONTACT FACTORY.

About Allegion

Allegion (NYSE: ALLE) creates peace of mind by pioneering safety and security. As a \$2 billion provider of security solutions for homes and businesses, Allegion employs more than 8,000 people and sells products in more than 120 countries across the world. Allegion comprises more than 25 global brands, including strategic brands CISA®, Interflex®, LCN®, Schlage® and Von Duprin®.

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VON DUPRIN®

55 Series

Exit device



Introduction

The proper selection and application of exit hardware, in addition to safety, are major concerns to all responsible manufacturers. Exit devices are a critical part of a door opening or access system and will provide safe and reliable service when properly applied and maintained. It is the policy of Von Duprin Division, Allegion, to design and manufacture exit devices to a high standard of quality and reliability in accordance with accepted U.S. domestic and international standards. All 55 series exit devices are UL listed for Accident Hazard or Fire Exit Hardware, and are tested in accordance to ANSI A156.3, Grade I.

It is intended that the information included in this publication, when properly used, will provide clear and reliable guidelines to the proper general selection and application. However, the scope of the information is necessarily limited.

Unusual operating conditions and environments, and other external influences can affect the proper application of the products represented. Modifications of these products will also affect UL listings. It is recommended whenever an unusual application condition exists, or when any modification of a product is considered, our engineers review the application.

Application engineering services are available to help ensure proper selection or to review any areas where users of Von Duprin products may have questions.

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5547WDC	18
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Fire hardware

Mortise lock devices

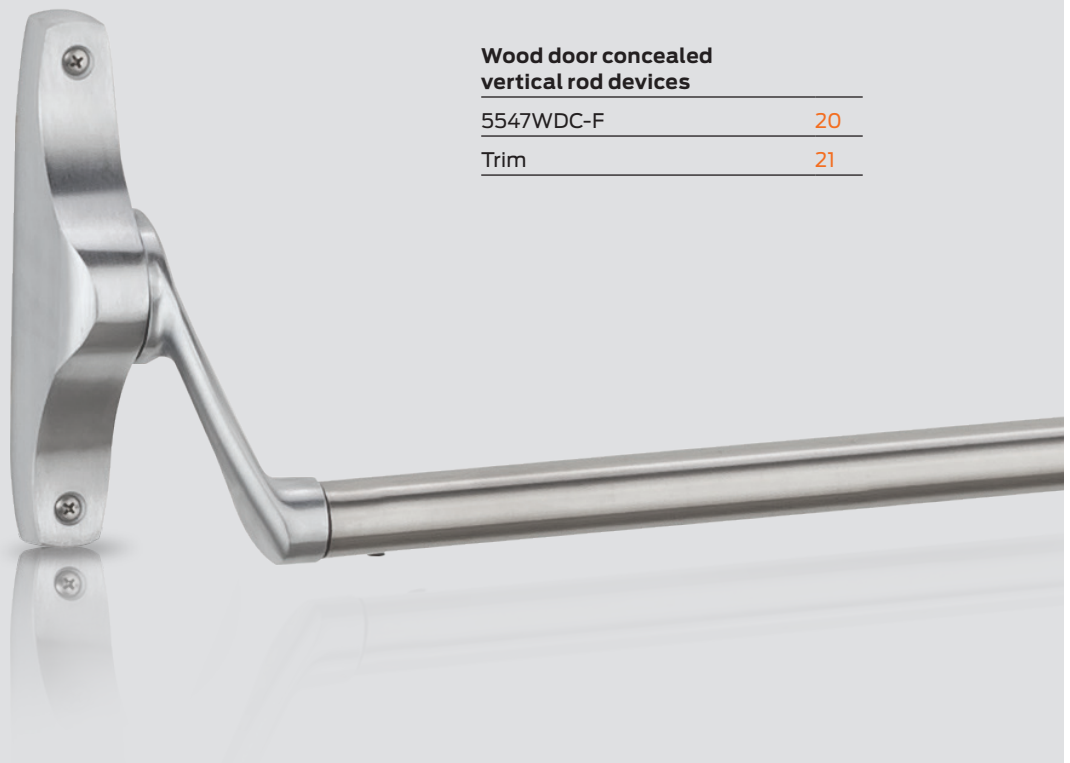
5575-F	12
Trim	13

Concealed vertical rod devices

5547-F	16
Trim	17

Wood door concealed vertical rod devices

5547WDC-F	20
Trim	21



Options and accessories

Applications & trim operation	Double door applications Door handing outside trim operation Lever styles	Device accessories	Cover / Adapter plates Cylinders Optional levers Power supplies conversion kit — NL
Trim options			
Strike options/ Stile information	Strike application/minimum stile strikes for rim devices	Additional information	UL listed — fire exit hardware label/ opening ANSI function, grade & type

Symbols

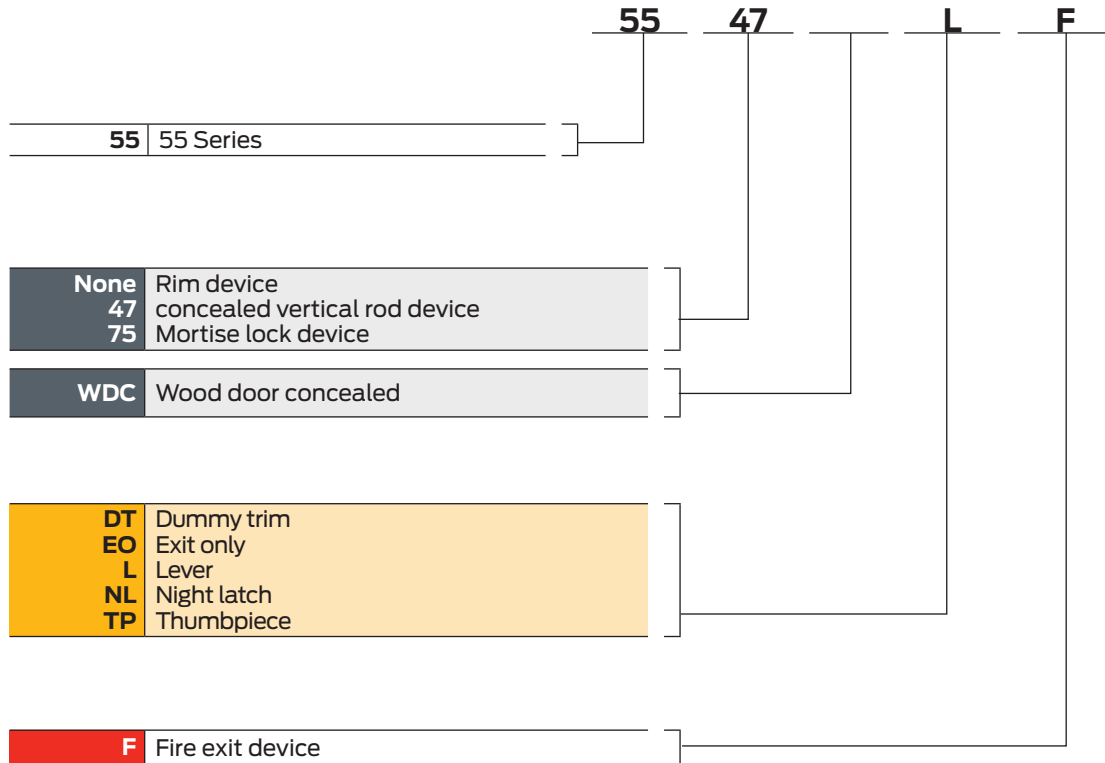


Indicates fire rated application



indicates ADA products

How to order



Rim and mortise lock devices, specify:

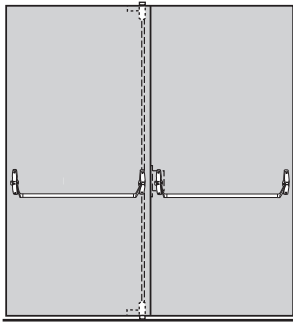
- Exit device model number and trim selection.
Examples: 55EO (exit only and no outside trim). 55DT (includes standard 550 DT trim).
- Door width if greater than 4' (1219mm).
- Door thickness if other than 1³/₄" (44mm).
- Door and frame material if other than hollow metal.
- Finish, see page 28.
- Handing, LHR or RHR.

Vertical rod devices, specify:

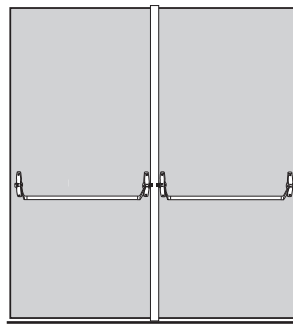
- Exit device model number and trim selection.
Examples: 5547EO (exit only and no outside trim). 5547DT (includes standard 550DT trim).
- Door width if greater than 4' (1219mm).
- Door thickness if other than 1³/₄" (44mm).
- Door height if other than 8' (2438mm), extension rods must be ordered.
- Door and frame material if other than hollow metal.
- Finish, see page 28.
- Handing, LHR or RHR.

Popular double door applications

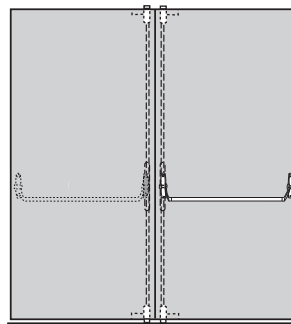
Double door applications



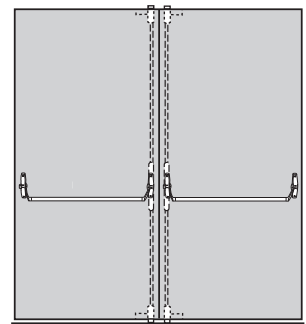
Mortise lock and vertical rod device combination — same direction
*hollow metal only



Two rim devices with mullion — same direction



Two vertical rods — double egress



Two vertical rod devices — same direction (do not use with overlapping astragal)

Door handing

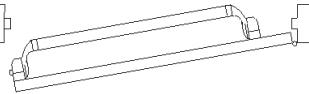
Left hand reverse orientation



Right hand reverse orientation



LHR
(Left hand reverse)



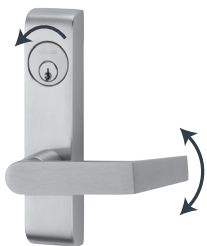
RHR
(Right hand reverse)

Outside

Outside trim operation

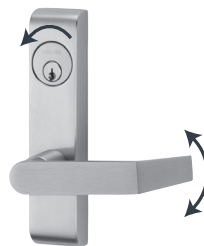
Trim operation lever

Standard operation



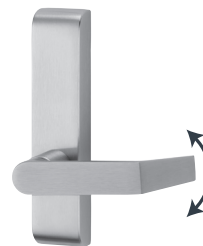
Key locks and unlocks lever.

NL Function



Lever is locked when key is removed. (ANSI O9 function)

Blank escutcheon



Lever always active. BE suffix, E.G., 371L-BE.

Standard trim

Series 550

Heavy aluminum bracket 10" (25mm) with stainless steel or brass pull bar. 550DT with NL function is furnished with 110MD or WD rim device. On 555NL (Metal) and 556NL (Wood), the cylinder locates in pull return. Cylinder must be ordered separately.



550DT



555NL (5547 only)



556NL (5547WDC only)

Series 376T

Thumbturn control has a forged brass 7/8" (25 mm) thick escutcheon. Often used with DT trim or pull. An NL cylinder plate is included with thumbturn control for night latch operation if required. BE blank escutcheon is available, specify 376T-BE.



376T



375L (5575-F)

Series 370L

Lever control has a forged brass 7/8" (25 mm) thick escutcheon. Optional lever designs are available. An NL cylinder plate is included with lever control for night latch. BE Blank escutcheon is available, specify 371L-BE.



371L (5547-F)
376L (5547/5547WDC)
379L (55 Rim)

Lever styles

Standard levers



01



02
Knurling available



03
Knurling available



06
Default lever
Knurling available



07



12
(Handed)



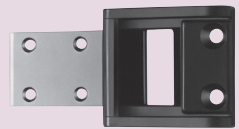
17
Knurling available

55 Rim exit device



55 Rim devices for all types of single and double doors with mullion, UL listed for accident hazard installations. Fits doors stiles as narrow as 1³/₄" (44 mm). Specify for 2¹/₄" door. Device is field reversible.

Finishes – US3, US4, US10B, US10, US26, US26D



The 1409 Strike ships standard, optional strikes available.

Hex key dogging comes standard on 55 Rim exit device



Specifications




Device functions	Device ships EO/DT/NL/L
Crossbar length	42" (1067 mm)
Crossbar height to finished floor	36 ⁹ / ₁₆ " (935 mm) at center
Lock stile case	7 ¹ / ₄ " x 1 ¹ / ₈ " x 2 ¹ / ₄ " (184 mm x 30 mm x 57 mm)
Hinge stile case	7 ¹ / ₄ " x 1 ¹ / ₈ " x 2 ¹ / ₄ " (184 mm x 30 mm x 57 mm)
Crossbar tubing	1" (25 mm)
Projection	Crossbar neutral – 3 ³ / ₄ " (95 mm) Crossbar depressed – 2 ³ / ₈ " (60 mm)
Latch bolt	3/4" (19 mm), throw
Fasteners and Sex bolts (SBN)	Includes screw pack for 1 ³ / ₄ " (44 mm) and 2 ¹ / ₄ " (57 mm) thick metal or wood doors. Sex nuts and bolts included.
Outside trim	Standard 379L 550DT x 110NL-MD 550DT x 110NL-WD 550DT
Electrical options	RX Crossbar monitor switch E Electric unlocking (BE trim only)
Mechanical options	RCB Reinforced crossbar KN Knurled crossbar
Strikes	1409 - Dull black

RX

Crossbar monitor switch

- Signals use of an opening
- SPDT switch to monitor crossbar

Standard trim

	EO	DT	NL	L
				
	Exit only	Dummy trim Pull when dogged	Night latch Key retracts latch bolt	Lever Locks/unlocks
Product description	55EO	55DT	55NL	55L
Trim description	—	550DT	550DT/110MD	379L
Escutcheon plate size	—	—	—	7½" x 1⅞"
Pull overall length	—	3⅝" x 11 9/16"	3⅝" x 11 9/16"	—
Pull center to center	—	10"	10"	—
Projection	—	2 5/8" x 1 7/8"	2 5/8" x 1 7/8"	2 5/8"
ANSI function	01	02	03	08
Cylinder type	—	—	Rim	Mortise
Handing	Handed	Handed	Handed	Handed
Sex bolts furnished	4	4	4	—

Notes

5575 Mortise lock exit device



5575 Mortise lock devices for all types of single and double doors. UL listed for accident hazard installations.

The 7500 Mortise lock is field reversible without removing the lock from the door. It has a non-handed auxiliary bolt for deadlocking and a faceplate with an adjustable bevel. Wood doors required 589 cover plate. Specify for 2 1/4" door.

Finishes – US3, US4, US10B, US10, US26, US26D

Hex key dogging comes standard on 5575 Series mortise lock exit devices






Specifications	
Device functions	EO/DT/NL/L
Crossbar length	42" (1067 mm)
Crossbar height to finished floor	36 13/16" (935 mm) at center
Latch bolt height to finished floor	40 3/32" (1018 mm) at center
Lock stile case	7 1/4" x 1 3/16" x 2 1/4" (184 mm x 30 mm x 57 mm)
Lock case	4 5/8" x 5 3/4" x 1 1/16" (117 mm x 146 mm x 27 mm)
Faceplate	1 1/4" x 8" x 7/32" (32 mm x 203 mm x 6 mm)
Cylinder backset	2 3/4" (70 mm)
Hinge stile case	7 1/4" x 1 3/16" x 2 1/4" (184 mm x 30 mm x 57 mm)
Crossbar tubing	1" (25 mm)
Projection	Crossbar neutral – 3 3/4" (95 mm) Crossbar depressed – 2 3/8" (60 mm)
Latch bolt	Anti-friction, 3/4" (19 mm), throw
Fasteners and Sex bolts (SBN)	Includes screw pack for 1 3/4" (44 mm) and 2 1/4" (57 mm) thick metal or wood doors. Sex nuts and bolts included.
Outside trim	Standard 375L 550DT
Electrical options	RX Crossbar monitor switch E Electric unlocking (BE trim only)
Mechanical options	RCB Reinforced crossbar KN Knurled crossbar
Strikes	575 - Dull black

RX

Crossbar monitor switch

- Signals use of an opening
- SPDT switch to monitor crossbar

Standard trim

	EO	DT	NL	L
				
	Exit only	Dummy trim Pull when dogged	Night latch Key retracts latch bolt	Lever Locks/unlocks
Product description	5575EO	5575DT	5575NL	5575L
Trim description	—	550DT	550DT	375L
Escutcheon plate size	—	—	—	10½" x 2"
Pull overall length	—	3 ⁵ / ₈ " x 11 ⁹ / ₁₆ "	3 ⁵ / ₈ " x 11 ⁹ / ₁₆ "	—
Pull center to center	—	10"	10"	—
Projection	—	2 ⁵ / ₈ " x 1 ⁷ / ₈ "	2 ⁵ / ₈ " x 1 ⁷ / ₈ "	2 ⁵ / ₈ "
ANSI function	01	02	03	08
Cylinder type	—	—	1¼" Mortise	Mortise
Handing	Handed	Handed	Handed	Handed
Sex bolts furnished	2	2	2	—

Notes

5575-F Mortise lock fire exit device



5575-F fire exit mortise lock devices for 4' x 10' (1219 mm x 3048 mm) single or 8' x 8' (2438 mm x 2438 mm) double metal doors, UL listed for up to 3 hour labeled installations. Fits door stiles as narrow as 4³/₄" (121 mm). Specify for 2¹/₄" door.

The 7500 mortise lock is equipped with a ³/₄" (19mm) anti-friction latch bolt which is field reversible without removing the lock from the door. It has a non-handed auxiliary bolt for deadlocking and a faceplate with an adjustable bevel. Wood door required 589 cover plate.

Finishes – US3, US4, US10B, US10, US26, US26D

Specifications

Device functions	EO/NL/L
Crossbar length	42" (1067 mm)
Crossbar height to finished floor	36 ¹³ / ₁₆ " (935 mm) at center
Latch bolt height to finished floor	40 ³ / ₃₂ " (1018 mm) at center
Lock stile case	7 ¹ / ₄ " x 1 ³ / ₁₆ " x 2 ¹ / ₄ " (184 mm x 30 mm x 57 mm)
Lock case	4 ⁵ / ₈ " x 5 ³ / ₄ " x 1 ¹ / ₁₆ " (117 mm x 146 mm x 27 mm)
Faceplate	1 ¹ / ₄ " x 8" x ⁷ / ₃₂ " (32 mm x 203 mm x 6 mm)
Cylinder backset	2 ³ / ₄ " (70 mm)
Hinge stile case	7 ¹ / ₄ " x 1 ³ / ₁₆ " x 2 ¹ / ₄ " (184 mm x 30 mm x 57 mm)
Crossbar tubing	1" (25 mm)
Projection	Crossbar neutral – 3 ³ / ₄ " (95 mm) Crossbar depressed – 2 ³ / ₈ " (60 mm)
Latch bolt	Anti-friction, ³ / ₄ " (19 mm), throw
Fasteners and Sex bolts (SBN)	Includes screw pack for 1 ³ / ₄ " (44 mm) and 2 ¹ / ₄ " (57 mm) thick metal or wood doors. Sex nuts and bolts included.
Outside trim	Standard 375L 550DT
Electrical options	RX Crossbar monitor switch E Electric unlocking (BE trim only)
Mechanical options	RCB Reinforced crossbar KN Knurled crossbar
Strikes	575 - Dull black



RX

Crossbar monitor switch

- Signals use of an opening
- SPDT switch to monitor crossbar



Standard trim

	EO	NL	L
			
	Exit only	Night latch Key retracts latch bolt	Lever Locks/unlocks
Product description	5575EO-F	5575NL-F	5575L-F
Trim description	—	550DT	375L
Escutcheon plate size	—	—	10 1/2" x 2"
Pull overall length	—	3 5/8" x 11 9/16"	—
Pull center to center	—	10"	—
Projection	—	2 5/8" x 1 7/8"	2 5/8"
ANSI function	01	03	08
Cylinder type	—	1 1/4" Mortise	Mortise
Handing	Handed	Handed	Handed
Sex bolts furnished	2	2	—

Notes



5575-F Mortise lock fire exit device

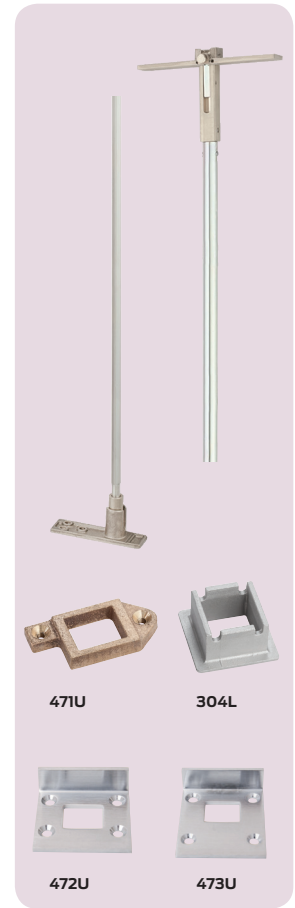
5547 Concealed vertical rod exit device

5547 Concealed vertical rod exit device



5547 Concealed vertical rod devices for use on single or double metal doors. UL listed for accident hazard installations and fits door stiles as narrow as 1 3/4" (44 mm). Specify for 2 1/4" door. Standard device fits 6' 8" to 8'0" door height.

Finishes – US3, US4, US10, US10B, US26, US26D



Hex key dogging comes standard on 5547 Series concealed vertical rod exit devices







RX
Crossbar monitor switch

- Signals use of an opening
- SPDT switch to monitor crossbar

Specifications	
Device functions	EO/DT/NL/L/TL
Crossbar length	42" (1067 mm), Handed, field reversible
Crossbar height to finished floor	36 13/16" (935 mm) at center
Lock stile case	7 1/4" x 1 3/16" x 2 1/4" (184 mm x 30 mm x 57 mm)
Hinge stile case	7 1/4" x 1 3/16" x 2 1/4" (184 mm x 30 mm x 57 mm)
Vertical rods-hexagon	3/8" (10 mm) adjustable top rod
Crossbar tubing	1" (25 mm)
Projection	Crossbar neutral – 3 3/4" (95 mm) Crossbar depressed – 2 3/8" (60 mm)
Latch bolt	1/2" (13 mm), throw
Fasteners and Sex bolts (SBN)	Sex nuts and bolts for mounting are included for 1 3/4" (44 mm) and 2 1/4" (57 mm) thick doors, when specified.
Wood frame strikes	472U for 1 3/4" door and 473U for 2 1/2" door.
Outside trim	Hollow metal 555NL 550DT 376 L 376T x 550DT
Electrical options	RX Crossbar monitor switch E Electric unlocking (BE trim only)
Mechanical options	RCB Reinforced crossbar KN Knurled crossbar
Strikes	471U - Top-unfinished 304L - Bottom-unfinished

Standard trim

	EO	DT 	NL 	L 	TL 
	Exit only	Dummy trim Pull when dogged	Night latch Key retracts latch bolt	Lever Key unlocks & locks	Key Locks Thumbturn
Product description	5547EO	5547DT	5547NL	5547L	5547TL
Trim description	—	550DT	555NL	376L	550DT/376T
Escutcheon plate size	—	—	—	7½" x 1⅞"	7½" x 1⅞"
Pull overall length	—	11 9/16" x 3 5/8"	11 9/16" x 3 5/8"	—	—
Projection	—	2 5/8" x 1 7/8"	2 5/8" x 1 7/8"	2 5/8"	1 3/16"
ANSI function	01	02	03	08	11
Cylinder type	—	—	Mortise	Mortise	Mortise
Handing	—	Handed	Handed	Handed	Handed
Sex bolts furnished	2	2	2	2	2

Notes

- For 5547L, minimum control centerline of lever or thumbturn is 49 7/8" and the minimum stile width is 1 3/4".
- Electrified lever operation available, must be blank escutcheon (L-BE).
- NY5547L is available to meet ADA requirements of 45 13/16" lever height.
- NY5547 with a 38" device centerline is available to meet California ADA requirements of 44" lever height.

5547-F Concealed vertical rod fire exit device

5547-F Concealed vertical rod fire exit device



5547-F Fire exit concealed vertical rod devices for use on 8' x 8' (2438 mm x 2438 mm) double metal doors swinging same direction or double egress. UL listed for up to 3 hour labeled installations and fits door stiles as narrow as 4³/₄" (121 mm). Standard device fits 6'8" to 8'0" door height

Double doors swinging same direction using a pair of 5547-F devices must not have an overlapping astragal.

Finishes – US3, US4, US10, US10B, US26, US26D



301L

Specifications



Device functions	EO/L/TL	
Crossbar length	42" (1067 mm)	
Crossbar height to finished floor	36 ¹³ / ₁₆ " (935 mm) at center	
Lock stile case	7 ¹ / ₄ " x 1 ³ / ₁₆ " x 2 ¹ / ₄ " (184 mm x 30 mm x 57 mm)	
Hinge stile case	7 ¹ / ₄ " x 1 ³ / ₁₆ " x 2 ¹ / ₄ " (184 mm x 30 mm x 57 mm)	
Vertical rods-hexagon	3 ³ / ₈ " (10 mm) adjustable top rod	
Crossbar tubing	1" (25 mm)	
Projection	Crossbar neutral – 3 ³ / ₄ " (95 mm) Crossbar depressed – 2 ³ / ₈ " (60 mm)	
Latch bolt	5/8", throw	
Fasteners and Sex bolts (SBN)	Sex nuts and bolts for mounting are included for 1 ³ / ₄ " (44 mm) and 2 ¹ / ₄ " (57 mm) thick doors, when specified.	
Outside trim	Hollow metal 376T x 609DT 371L	
Electrical options	RX	Crossbar monitor switch
	E	Electric unlocking (BE trim only)
Mechanical options	RCB	Reinforced crossbar
	KN	Knurled crossbar
Strikes	301L - Bottom-unfinished	

RX

Crossbar monitor switch

- Signals use of an opening
- SPDT switch to monitor crossbar

Standard trim

	EO	L	TL
	Exit only	 <p>Lever Key unlocks & locks</p>	 <p>Key locks Thumbturn</p>
Product description	5547EO-F	5547L-F	5547TL-F
Trim description	—	371L	609DT/376T
Escutcheon plate size	—	7 1/2" x 1 11/16"	7 1/2" x 1 11/16"
Pull overall length	—	—	—
Projection	—	2 5/8"	1 13/16"
ANSI function	01	08	11
Cylinder type	—	Moritise	Moritise
Handing	—	Handed	Handed
Optional trim			
Sex bolts furnished	2	2	2

Notes

- Electrified lever operation available, must be blank escutcheon (L-BE).



5547WDC Wood door concealed vertical rod exit device

5547WDC Wood door concealed vertical rod exit device



5547WDC Concealed vertical rod devices for use on single or double wood doors. Fits door stiles as narrow as 4" (102 mm).

Finishes – US3, US4, US10, US10B, US26, US26D







Hex key dogging comes standard on 5547WDC Series wood concealed vertical rod exit devices



RX
Crossbar monitor switch
 • Signals use of an opening
 • SPDT switch to monitor crossbar

Specifications	
Device functions	EO/DT/NL/L /TL
Crossbar length	42" (1067 mm), Standard, field sizeable
Crossbar height to finished floor	36 ¹³ / ₁₆ " (935 mm) at center
Lock stile case	7 ¹ / ₄ " x 1 ¹³ / ₁₆ " x 2 ¹ / ₄ " (184 mm x 30 mm x 57 mm)
Hinge stile case	7 ¹ / ₄ " x 1 ³ / ₁₆ " x 2 ¹ / ₄ " (184 mm x 30 mm x 57 mm)
Vertical rods-hexagon	³ / ₈ " (10 mm) adjustable top rod
Crossbar tubing	1" (25 mm)
Projection	Crossbar neutral – 3 ³ / ₄ " (95 mm) Crossbar depressed – 2 ³ / ₈ " (60 mm)
Latch bolt	5/8" (16mm) , throw
Fasteners and Sex bolts (SBN)	Sex nuts and bolts for mounting are included for 1 ³ / ₄ " (44 mm) and 2 ¹ / ₄ " (57 mm) thick doors, when specified.
Wood frame strikes	472U for 1 ³ / ₄ " door and 473U for 2 ¹ / ₄ " door.
Outside trim	Wood door 376-WDC-L 556NL 550DT 376-WDC-T x 550DT
Electrical options	RX Crossbar monitor switch E Electric unlocking (BE trim only)
Mechanical options	RCB Reinforced crossbar KN Knurled crossbar
Strikes	378 - Top 304L - Bottom, unfinished

Standard trim

	EO	DT 	NL 	L 	TL 
	Exit only	Dummy trim Pull when dogged	Night latch Key retracts latch bolt	Lever Key unlocks & locks	Key locks thumbturn
Product description	5547WDC-EO	5547WDC-DT	5547WDC-NL	5547WDC- L	5547WDC-TL
Trim description	—	550DT	556-NL	376WDC-L	550DT/376WDC-T
Escutcheon plate size	—	—	—	7½" x 1⅛"	7½" x 1⅛"
Pull overall length	—	11 9⁄16" x 3 5⁄8"	11 9⁄16" x 3 5⁄8"	—	—
Projection	—	2 5⁄8" x 1 7⁄8"	2 5⁄8" x 1 7⁄8"	2 5⁄8"	1 13⁄16"
ANSI function	01	02	03	08	11
Cylinder type	—	—	Mortise	Mortise	Mortise
Handing	—	Handed	Handed	Handed	Handed
Sex bolts furnished	2	2	2	2	2

Notes

- For 5547WDC-L, minimum control centerline of lever or thumbturn is 45³/₁₆" and the minimum stile width is 1³/₄".
If standard mounting height is required, use 5547-F x 371L
- NY5547WDC-L with a 38" device centerline is available to meet California ADA requirements of 44" lever height.

5547WDC-F Wood door concealed vertical rod fire exit device



5547WDC-F Fire exit concealed vertical rod devices for use on 8' x 9'3" (2438 mm x 2819 mm) double wood doors swinging same direction or double egress. UL listed for up to 90 minute doors and fits stiles as narrow as 4³/₄" (121 mm). Standard device fits 6'8" to 8'0" door height

Double doors swinging same direction using a pair of 5547WDC-F devices must not have an overlapping astragal. Device is field reversible.

Finishes – US3, US4, US10, US10B, US26, US26D



Specifications	
Device functions	EO/L/TL /NL
Crossbar length	42" (1067 mm)
Crossbar height to finished floor	36 ¹³ / ₁₆ " (935 mm) at center
Lock stile case	7 ¹ / ₄ " x 1 ³ / ₁₆ " x 2 ¹ / ₄ " (184 mm x 30 mm x 57 mm)
Hinge stile case	7 ¹ / ₄ " x 1 ³ / ₁₆ " x 2 ¹ / ₄ " (184 mm x 30 mm x 57 mm)
Vertical rods-hexagon	³ / ₈ " (10 mm) adjustable top rod
Crossbar tubing	1" (25 mm)
Projection	Crossbar neutral – 3 ³ / ₄ " (95 mm) Crossbar depressed – 2 ³ / ₈ " (60 mm)
Latch bolt	⁵ / ₈ " , throw
Fasteners and Sex bolts (SBN)	Sex nuts and bolts for mounting are included for 1 ³ / ₄ " (44 mm) and 2 ¹ / ₄ " (57 mm) thick doors, when specified.
Wood frame strikes	472U for 1 ³ / ₄ " door and 473U for 2 ¹ / ₄ " door.
Outside trim	Wood door 376WDC-L 556NL 550DT 376WDC-T x 550DT
Electrical options	RX Crossbar monitor switch E Electric unlocking (BE trim only)
Mechanical options	RCB Reinforced crossbar KN Knurled crossbar
Strikes	378 - Top 304L - Bottom, unfinished



RX
Crossbar monitor switch

- Signals use of an opening
- SPDT switch to monitor crossbar

5547WDC-F Wood door concealed vertical rod fire exit device



Standard trim

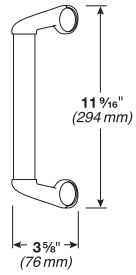
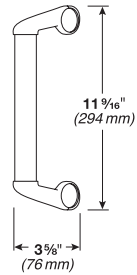
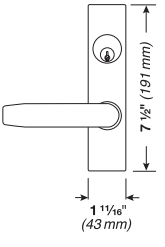
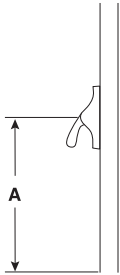
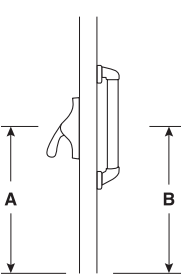
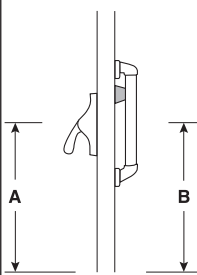
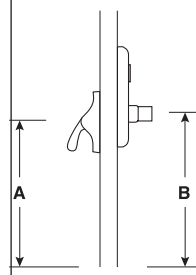
	EO	NL 	L 	TL 
	Exit only	Night latch Key retracts latch bolt	Lever Key unlocks & locks	Key locks thumbturn
Product description	5547WDC-EO-F	5547WDC-NL-F	5547WDC-L-F	5547WDC-TL-F
Trim description	—	556NL	WDC-L	550DT/376WDC-T
Escutcheon plate size	—	—	7½" x 1 ¹¹ / ₁₆ "	7½" x 1 ¹¹ / ₁₆ "
Pull overall length	—	11 ⁹ / ₁₆ " x 3 ⁵ / ₈ "	—	—
Projection	—	2 ⁵ / ₈ " x 1 ⁷ / ₈ "	2 ⁵ / ₈ "	1 ¹³ / ₁₆ "
ANSI function	01	03	08	11
Cylinder type	—	Mortise	Mortise	Mortise
Handing	—	Handed	Handed	Handed
Sex bolts furnished	2	2	2	2

Notes

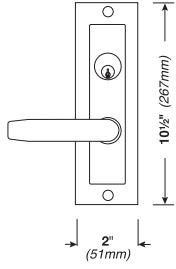
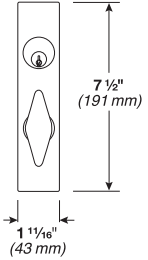
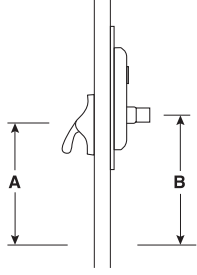
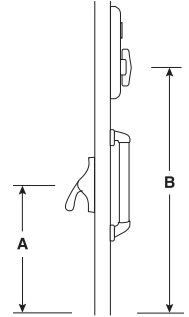
- For 5547WDC-L, minimum control centerline of lever or thumbturn is 45³/₁₆" and the minimum stile width is 1³/₄".
If standard mounting height is required, use 5547-F x 371L
- NY5547WDC-L with a 38" device centerline is available to meet California ADA requirements of 44" lever height.



Trim options

Function	01	02	03	08	
	Exit only	Pull when dogged	Key retracts latch bolt	Key locks lever	
Trim number and dimensions		550DT 	550DT 555NL-5547 556NL-5547WDC 	371L-5547F 376L-5547/5547WDC 379L-55 Rim 	
Device/trim center line to finished floor					
Projection/Offset	—	2 ⁵ / ₈ " (67 mm) 1 ⁷ / ₈ " (48 mm)	2 ⁵ / ₈ " (67 mm) 1 ⁷ / ₈ " (48 mm)	2 ⁵ / ₈ " (67 mm)	
Rim	Panic	55EO	55DT	55NL	55L
	Ctr. line	A 39 ¹³ / ₁₆ " (1011 mm)	A 39 ¹³ / ₁₆ " (1011 mm) B 39 ¹³ / ₁₆ " (1011 mm)	A 39 ¹³ / ₁₆ " (1011 mm) B 39 ¹³ / ₁₆ " (1011 mm)	A 39 ¹³ / ₁₆ " (1011 mm)
Mortise lock	Panic	5575EO	5575DT	5575NL	—
	Fire	5575EO-F	—	5575NL-F	—
	Ctr. line	—	—	—	—
Concealed vertical rod lock	Panic	5547EO/5547WDC-EO	5547DT/5547WDC-DT	5547NL/5547WDC-NL	5547L/5547WDC-L
	Fire	5547EO-F /5547WDC-EO-F	—	5547 WDC-NL-F	5547L-F
	Ctr. line	—	—	—	A 39 ¹³ / ₁₆ " (1011mm) B 40 ⁷ / ₁₆ " (1027 mm)
Cylinder type required	Rim	—	—	Rim	Mortise
	Mortise	—	—	Mortise	Mortise
	C.V.R.	—	—	Rim	Mortise

Trim options

Function		08	11
		Key locks lever	Key locks thumbturn (pull required)
Trim number and dimensions		375-L 	376T x 550DT-5547/5547WDC 376T x 609DT - 5547F 
Device/trim center line to finished floor			
Projection		2 ⁵ / ₈ " (67 mm)	1 ³ / ₁₆ " (46 mm)
Rim	Panic	—	—
	Ctr. line	—	—
Mortise lock	Panic	5575L	—
	Fire	5575L-F	—
	Ctr. line	A 39 ¹³ / ₁₆ " (1011 mm) B 38 ¹ / ₂ " (978 mm)	
Concealed vertical rod lock	Panic	—	5547TL/5547WDC-TL
	Fire	—	5547TL-F/5547WDC-TL-F
	Ctr. line	—	A 39 ¹³ / ₁₆ " (1011 mm) B 53 ¹ / ₂ " (1359 mm)
Additional SNB requirements		2	2
Cylinder type required	Rim	—	—
	Mortise	—	—
	C.V.R.	Mortise	Mortise

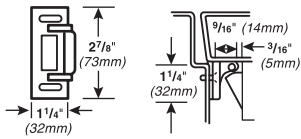
55 Strike/Stile information

Device type	Standard single door		Standard double door		Optional single door		Optional double door	
	Strike	Stile	Strike w/mullion	Stile	Strike	Stile	Strike w/mullion	Stile
55 Rim	1409	1 ³ / ₄ "(44mm)	1408 x 5754	1 ³ / ₄ "(44mm)	299	2 ¹³ / ₁₆ " (71mm)	299 x 5654	2 ³ / ₄ " (70mm)
					1410	1 ³ / ₄ " (44mm)	264 x 5654	2 ¹ / ₂ " (64mm)
					1606	2 ³ / ₈ " (60mm)	1606 x 1654	2 ³ / ₄ " (70mm)
					264	2 ¹ / ₁₆ " (65mm)	299 x 4954 264 x 4954	3 ³ / ₁₆ " (81mm) 2 ¹ / ₁₆ " (75mm)
5575	575	4 ³ / ₄ "(121mm)	—	—	—	—	575-2 576A-576B	4 ³ / ₄ " (121mm)
5575-F	575	4 ³ / ₄ "(121mm)	—	—	—	—	575-2 576A-576B	4 ³ / ₄ " (121mm)
5547	STRIKE		STILE		STRIKE		STILE	
	471U (Top) 304L (Bottom)		Single door	1 ⁷ / ₈ " (48mm)	472U/473U (Top) For wood frames		Single door	1 ⁷ / ₈ " (48mm)
			Two vertical rod devices	1 ³ / ₄ " (44mm)			Two vertical rod devices	1 ³ / ₄ " (44mm)
			Vertical rod w/mortise lock device	4 ³ / ₄ " (121mm)			Vertical rod w/mortise lock device	4 ³ / ₄ " (121mm)
5547WDC	338 (Top) 304L (Bottom)		Single door	4" (127mm)	472U/473U (Top) For wood frames		Single door	4" (127mm)
			Two vertical rod devices	4" (127mm)			Two vertical rod devices	4" (127mm)
5547-F	Soffit Latch (Top) 301L (Bottom)		Two vertical rod devices	4 ³ / ₄ " (121mm)	385A (Bottom)		Vertical rod w/mortise lock device	4 ³ / ₄ " (121mm)
			Vertical rod w/mortise lock device	4 ³ / ₄ " (121mm)				
5547WDC-F	338 (Top) 304L (Bottom)		Two vertical rod devices	4" (127mm)	472U/473U (Top) For wood frames		Two vertical rod devices	4" (127mm)

55 Strike/Stile information

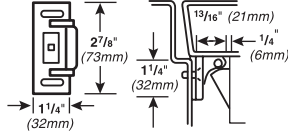
Strike application/Minimum stile

264



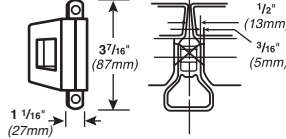
Projection $\frac{13}{16}$ " (21mm)

299

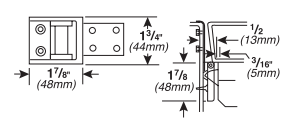


Projection $\frac{13}{16}$ " (21mm)

1408

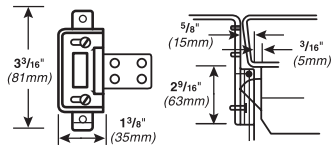


1409 – Blade stop



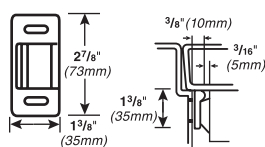
One per pair of doors

1410 – Integral stop



Projection $\frac{1}{2}$ " (13mm)

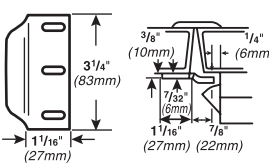
1606



Projection $\frac{3}{8}$ " (10mm)

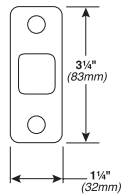
1609

For rim/vertical rod consult factory - panic only



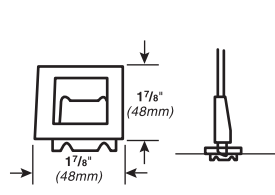
Strikes for vertical rod devices

301L



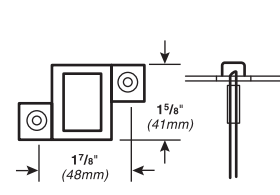
Mortise $\frac{3}{4}$ " (19mm)

304L



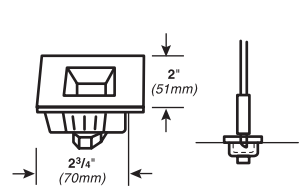
Mortise $\frac{13}{16}$ " (21mm)

338



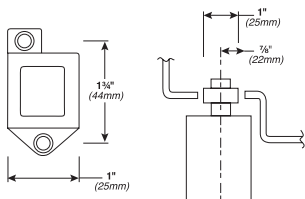
Projection $\frac{5}{8}$ " (16mm)

385A



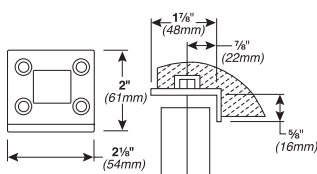
Mortise $2\frac{1}{2}$ " (64mm)

471U



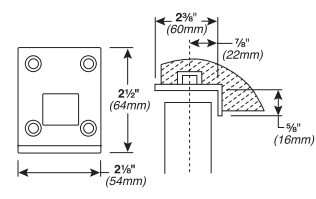
Hollow metal frame

472U



Wood frame $1\frac{3}{4}$ " (44mm) thick doors - surface mounted

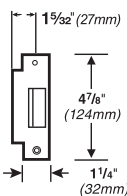
473U



Wood frame $2\frac{1}{4}$ " (57mm) thick doors - surface mounted

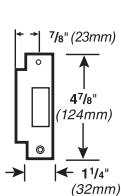
Strikes for rim devices

575



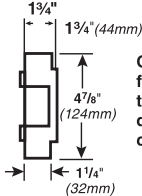
For use on $\frac{13}{16}$ " (44mm) or $2\frac{1}{4}$ " (57mm) Single door and $2\frac{1}{4}$ " (57mm) double door with coordinator.

575-2



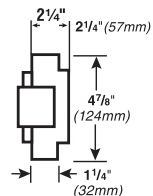
For use on $\frac{13}{16}$ " (44mm) thick double door with coordinator and astragal

576A



Open back strike for $\frac{13}{16}$ " (44mm) thick double doors without coordinator.

576B



Open back strike for $2\frac{1}{4}$ " (57mm) thick double doors without coordinator.

– Not for use with astragals
– For use on wood doors, contact door manufacturer

– Acceptable for 90 minute pair of hollow metal doors

55 Electrical options

E5575 Electric mortise lock device



The E5575 electric mortise lock device has all the versatility and advantages of the 5575 mortise lock device, plus the advantage of being electrically controllable by a remote switching device, an access control or automatic device, or an automatic fire alarm system. The E5575 feature controls the locking of the outside trim. When unlocked, the door remains latched, preserving the fire rating of the door and making it particularly useful where codes permit locking, but require unlocking during a fire emergency. Key override is an NL type function.

Standard features:

- Field reversible mortise lock
- 24 VDC continuous duty solenoid
- Tamper resistant (auxiliary dead latch)
- Silent operation
- Corrosion resistant
- Signaling functions
- Key mechanically retracts latchbolt

Optional features:

- Fail safe (locked when energized, unlocked when de-energized or during power failure, specify with suffix "FS").
- Fail secure (unlocked when energized — specify with suffix "FSE"). Outside trim automatically relocks, unless held unlocked electrically.
- 24 VAC (by adding SO option).
- 12 VDC or 12 VAC with SO option.

To order, specify:

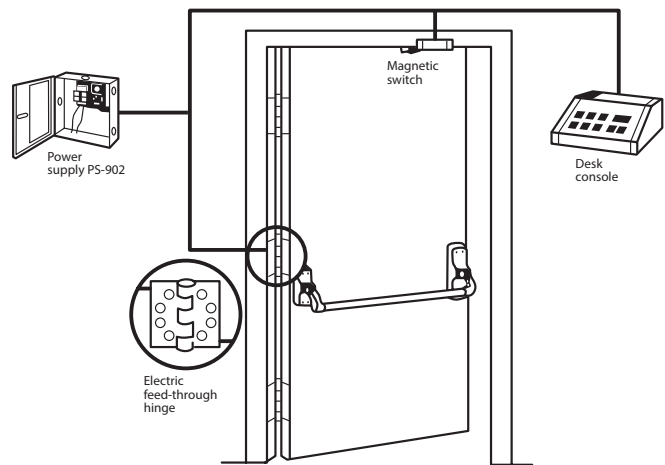
- 1a. E5575 or E5575F.
- 1b. E7500 (if lock only is required).
2. FS or FSE.
3. Voltage.
4. Handing, LHR or RHR
5. Outside trim. "TP", "TP-BE", "K", "K-BE" or "L-BE" function only. When using with "L" function, no cylinder operation is available. Outside control is furnished "BE".

E - Electric unlocking of outside trim (BE only)

Available in Fail Secure (FSE) or Fail Safe (FS) options. 24VDC furnished as standard, 12 VDC available.

To order, specify:

1. E prefix:
 - E371L-BE / E376L-BE = for use with concealed vertical rods
 - E375L-BE = for use with mortise lock devices
 - E376WDC-L-BE = for use with wood door concealed devices
 - E379L-BE = for use with rim devices
2. FS or FSE
3. Voltage
4. Handing, LHR or RHR



Adaptable for openings where continuous latching is required while the trim may be electrically locked or unlocked from a remote location — stairwells, exterior doors, etc.

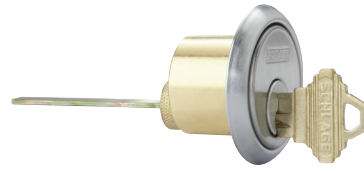
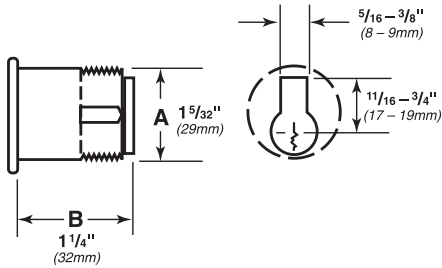
Device options & accessories

Cylinders

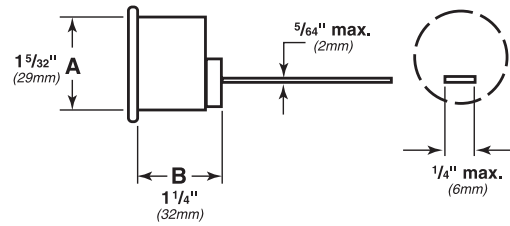
Cylinders are not furnished with device or trim and must be specified when ordering. Rim and concealed vertical rod exit devices use rim type cylinders. Mortise lock exit devices and series 370 controls use mortise type cylinders.



Mortise — 3215 (Schlage 20-001, B502-191 cam)



Rim — 3216 (Schlage 20-022 cam)

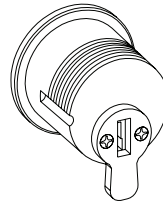


Conversion kit — NL

NL Kit is used for converting 55DT or 55EO to 55NL for night latch function. Kit includes NL cam only.

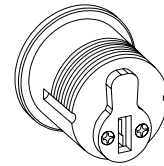
The 55DT trim, 3216 rim cylinder, and 110NL/MD/WDC cylinder assemblies must be ordered separately.

Dogged (inverted) cam



For cylinder dogging
Special dogging

Undogged cam (standard operations)



Undogged cam
(standard operations)

Additional information

UL Listed — Fire exit hardware label/opening size

Exit device	Single door	Double door		
		Same direction vert./vert.	Same direction vert./mortise	Double egress
5575-F	3 Hour 4' x 10'	—	3 Hour 8' x 8'	—
5547-F	—	90 Min. 8' x 8'	3 Hour 8' x 8'	3 Hour 8' x 8'
5547-F-WDC	—	90 Min. 8' x 9' 3"	—	—

ANSI Function, grade & type

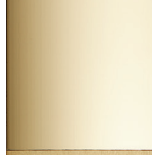


Function	Grade 1, type 4	Grade 1, type 3 & 10	Grade 1, type 6 & 8
01	55EO	5575EO 5575EO-F	5547EO/5547WDCEO/F 5547EO-F
02	55DT	5575DT/F	5547DT/5547WDCDT/F
03	55NL	5575NL 5575NL-F	5547NL/5547WDCNL/F
08	55L	5575L	5547L-F/5547EDCL/F
11-12	—	—	5547TL 5547TL-F
11-12	—	—	5547TL-WDC 5547TL-WDC-F

55 Series finishes

Finishes*

	Color	US Number	BHMA Number
	Chromium, polished	US26	625
	Chromium, dull	US26D	626
	Brass, polished	US3	605
	Brass, dull	US4	606
	Bronze, dull	US10	612
	Bronze, dull-oxidized	US10B	613

Special finishes

	Color	US Number	BHMA Number
	Brass, polished	US3A	605
	Brass, dull	US4A	606
	Aged bronze	643E	
	Sprayed black	SPBLK	

* Note: Durable powder coated finishes available at specific special request. PLEASE CONTACT FACTORY.

Notes

Notes

About Allegion

Allegion (NYSE: ALLE) creates peace of mind by pioneering safety and security. As a \$2 billion provider of security solutions for homes and businesses, Allegion employs more than 8,000 people and sells products in more than 120 countries across the world. Allegion comprises more than 25 global brands, including strategic brands CISA®, Interflex®, LCN®, Schlage® and Von Duprin®.

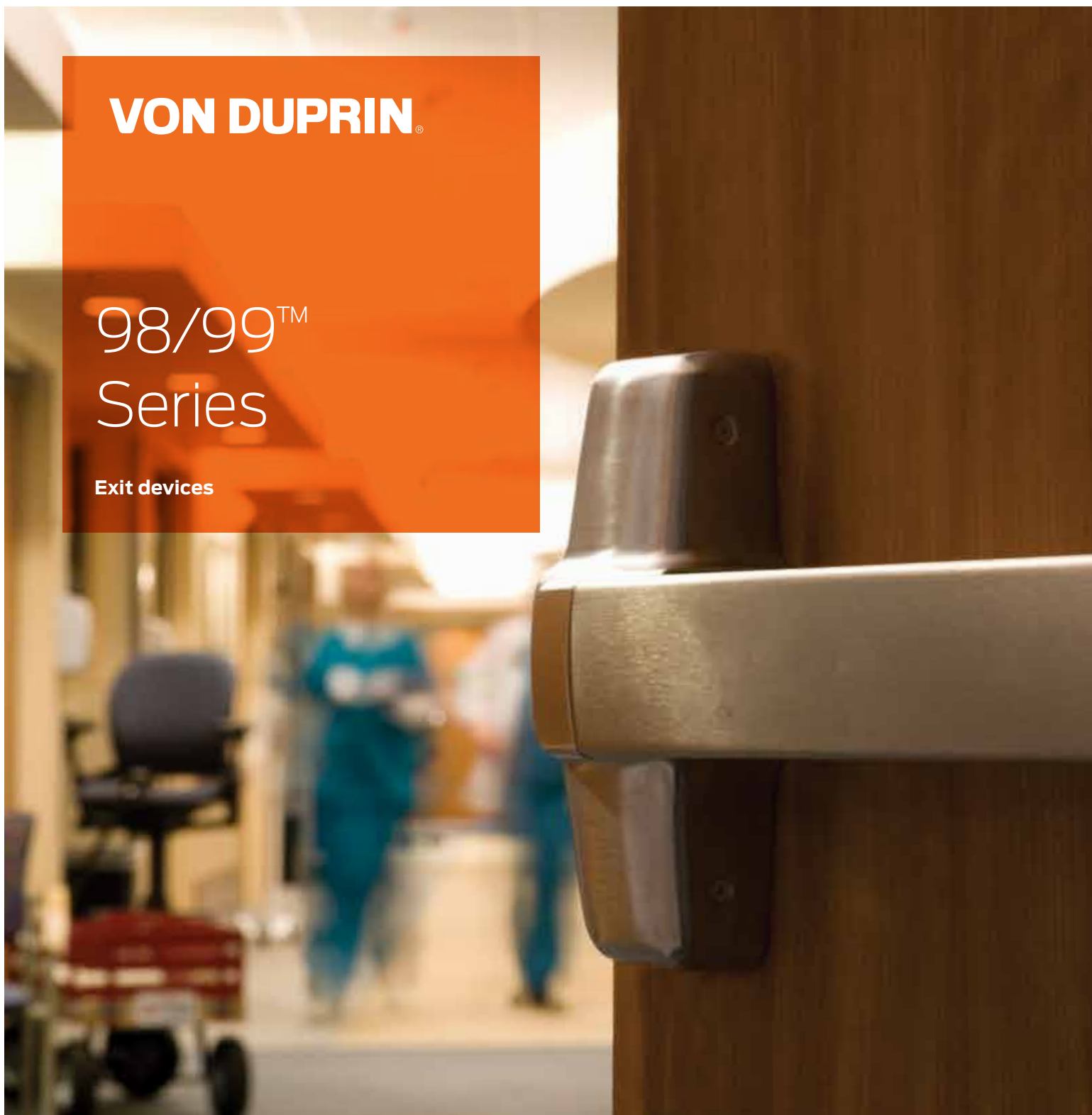
For more, visit www.allegion.com

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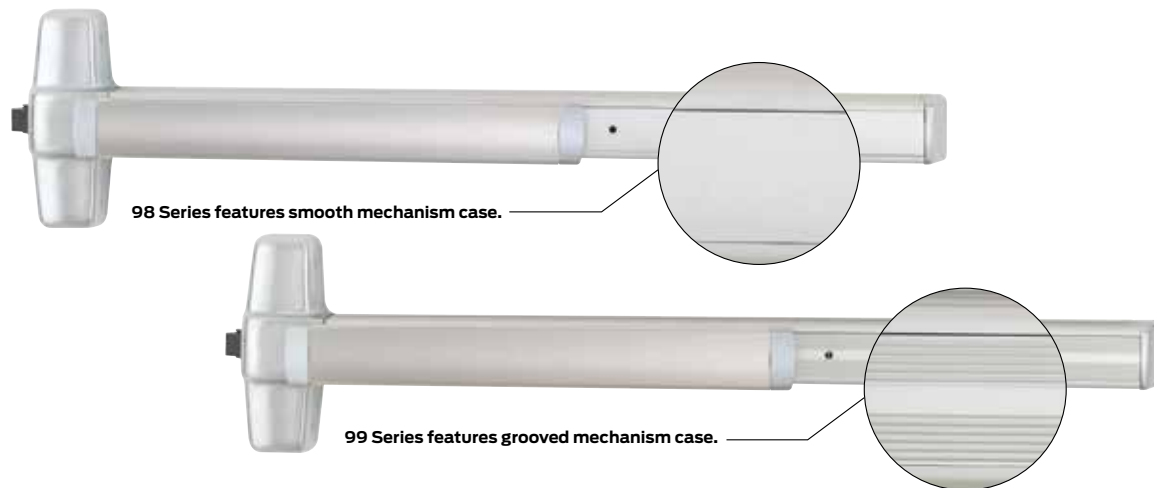
Exit devices



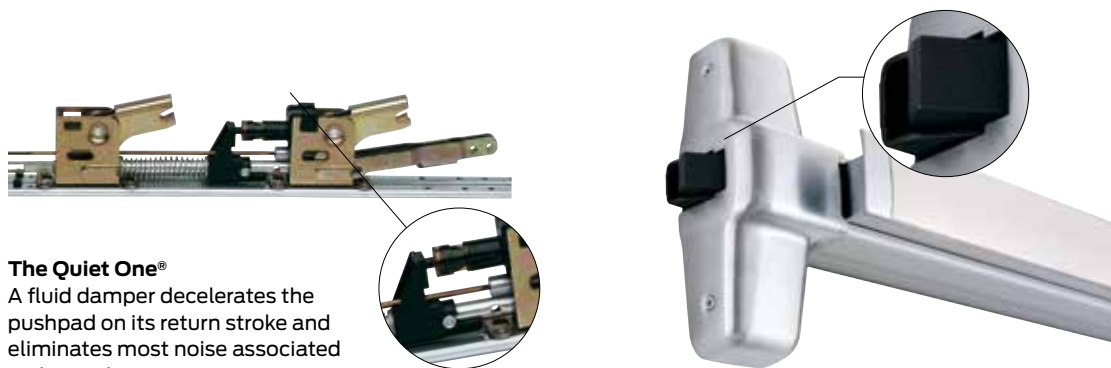
Introduction

Exit devices are a critical part of the fire and life safety egress system and will provide safe and reliable service when properly applied and maintained. Von Duprin designs and manufactures exit devices in accordance to ISO 9001 Quality Management System and meets or exceeds accepted U.S. domestic and International standards. All 98 and 99 Series exit devices are UL listed for panic hardware or fire hardware, and are certified to ANSI A156.3, 2008, Grade 1. Many models are also certified for Hurricane Resistant Applications. Consult your local Security & Safety consultant (SSC) or the Von Duprin factory for current listings.

It is intended that the information included in this publication, when properly used, will provide clear and reliable guidelines to the proper general selection and application. However, the scope of the information is necessarily limited.



Von Duprin exit devices are available in two external surface styles, designated 98 and 99 Series.



A fluid damper decelerates the pushpad on its return stroke and eliminates most noise associated with exit device operations. Furnished on all 98/99™ Series exit devices.

Deadlocking latchbolt provides security and improved performance at standard device cost.

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Fire exit hardware

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XP rim devices

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9875/9975	18
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Three-point latching devices

9857-F/9957-F	26
Trim	27

Concealed vertical rod devices

9847-F/9947-F	30
Trim	31
9848-F/9948-F	34
Trim	35

Concealed vertical cable devices

9849-F/9949-F	38
Trim	39

Wood door concealed vertical rod devices

9847WDC-F/9947WDC-F	42
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Wood door concealed vertical cable devices

9849WDC-F/9949WDC-F	46
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Wood door concealed vertical cable devices

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THIS PRODUCT IS OBSOLETE it is replaced by the 98/9950 WDC.
See pages 48-51 for more information.

Options and accessories

Applications & trim operation	Single & double door applications Door handing Outside trim operation Lever styles
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Trim options	Knob Thumbpiece Lever Electrified outside lever trim (E996L) Breakaway lever Thumbturn control Hospital pull Offset pull Vandal resistant pull AD-Series adaptable electronic trim
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Strike options	Strike/Stile information Strikes
Dogging options	Cylinder dogging Hex key dogging Less dogging Dogging keys Special center case dogging Double cylinder

Symbols

 Indicates fire rated application  Indicates ADA products

Electrical options	RX Request to exit LX Latchbolt monitoring SS Signal switch CX Chexit® ALK Alarm kit E Electric mortise lock device EL Electric latch retraction QEL Quiet electric latch retraction CON Allegion Connect
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Electrical accessories	Power supplies Electric power transfer
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Mechanical options	XP98/99 rim exit device WS Surface vertical rod exit device Less bottom rod AX Accessible device Pullman latch Dummy push pad Braille, embossed, knurled and safety glow (Luminescent) touchpads
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Pneumatic options	Pneumatic controlled exit devices Pneumatic power transfer
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Device accessories	Glass bead kit Vertical rod and latch guard Cover plate kits Cylinders Mullions Sex bolts
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Additional information	ANSI Function, grade & type UL fire labeling and opening size
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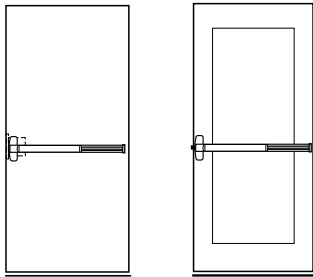
Finishes	Standard & special finishes
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Nomenclature – how to order

		EL	99	27	-L	-16	-F	LBR	3'	US3	RHR
None	Standard										
SD	Special dogging R/VR - panic only										
CD	Cylinder dogging - panic only										
CX	Chexit										
E	Electric locking mortise/lever										
QEL	Quiet electric latch retraction										
EL	Electric latch retraction										
LX	Latch bolt monitoring										
RX	Request to exit										
RX2	Double request to exit										
SS	Signal switch										
AX	Accessible device										
PL	Pullman latch										
PN	Pneumatic latch retraction										
WS	Surface vertical rod exit device										
XP	Heavy protection - rim										
WS	Tornado & hurricane tested										
98	Series 98-smooth										
99	Series 99-grooved										
None	Rim device										
27	Surface mounted vertical rod device										
47	Concealed vertical rod device										
47WDC	Concealed vertical rod wood door device										
48	Concealed vertical rod device										
49	Concealed vertical cable device										
49WDC	Concealed vertical cable wood door device										
57	Three-point latch device										
75	Mortise lock device										
AD	AD Trim (to come from client)										
DT	Dummy trim										
EO	Exit only										
HL	Hospital pull trim										
K	Knob										
K-BE	Knob - blank escutcheon										
K-DT	Knob, rigid - dummy trim										
K-NL	Knob, rigid - night latch										
L	Lever (classroom)										
L-BE	Lever - blank escutcheon										
L-DT	Lever, rigid - dummy trim										
L-NL	Lever, rigid - night latch										
NL	Night latch										
NL-OP	Night latch cylinder assembly, optional pull										
TL	Turn lever										
TL-BE	Turn lever - blank escutcheon										
TP	Thumbpiece										
TP-BE	Thumbpiece - blank escutcheon										
XX	Lever style 06 standard Optional 01, 02, 03, 05, 07, 12 (Handed), 16 (Omega), 17, 18, Accent, Asti, Merano, St. Annes										
F	Fire exit device										
-2	Double cylinder (rim & mortise only)										
LBR	Less bottom rod										
LBL	Less bottom latch										
SG	Safety glow (luminescent) touchpad										
ALK	Alarm kit										
ALK-AR1	Auto-reset 1½ minute alarm kit										
ALK-AR3	Auto-reset 3 minute alarm kit										
ALK-AR6	Auto-reset 4½ minute alarm kit										
CON	Allegion Connect										
2'	2' Device (2' door size) 27, 47 or 49 only										
3'	3' Device (2' 4"- 3' door size)										
4'	4' Device (2' 10"- 4' door size)										
Finishes	US3, US4, US10, US26, US26D, US28, 313, 315 US32D – 98 ONLY -AM Antimicrobial (available US26D and US32D)										
-LHR	Left hand reverse										
-RHR	Right hand reverse										

Popular double door applications

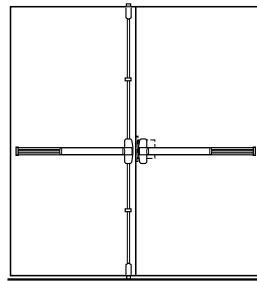
Single door applications



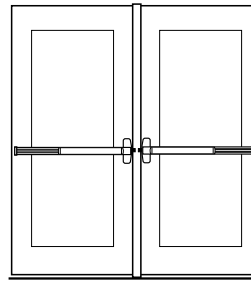
Single mortise lock device

Single rim device

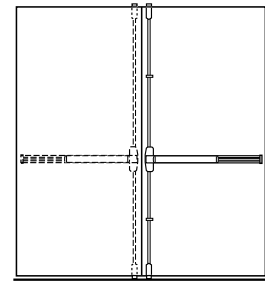
Double door applications



Mortise lock and surface mounted or concealed vertical cable/rod device combination—same direction

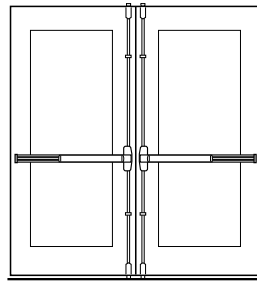
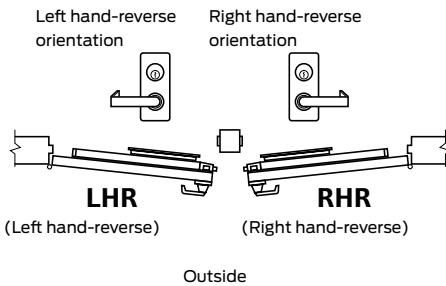


Two rim devices with mullion—same direction

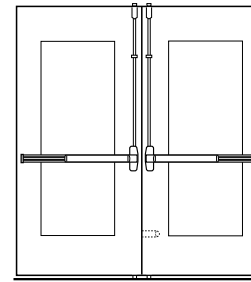


Two vertical rods—double egress

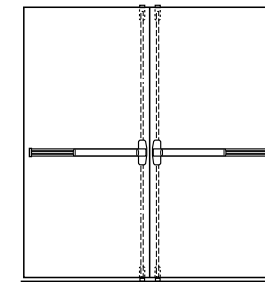
Door handing



Two surface mounted vertical rod devices—same direction (do not use with overlapping astragal)



Two fire exit hardware vertical cables/rods with auxiliary fire latch-LBR option

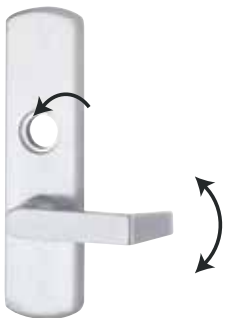


Two concealed vertical cables/rods

Outside trim operation

Trim operation lever or knob

Standard



Key locks and unlocks lever or knob, e.g., 996L (Classroom)

Night latch



Key retracts latch bolt. Lever or knob is rigid. Use NL suffix, e.g., 996LNL. (Storeroom)

Blank escutcheon



Lever or knob always active. Use BE suffix, e.g., 996L-BE. (Passage)

Dummy



Lever or knob rigid for pull operation. Use DT suffix, e.g., 996L-DT.

996L Breakaway™ lever



The 996L Breakaway trim has become the standard lever trim offering on the 98L/99L Series devices. The Breakaway design is especially effective in areas where vandalism to door hardware is a problem. The design intent is to discourage costly repairs from becoming necessary. The Breakaway feature is not available on the NL (night-latch) or DT (dummy trim) versions.

374T/376T Series thumbturn control



Standard operation, key locks and unlocks thumbturn. Optional operation, key unlocks thumbturn, re-locks when key is removed. This operation is created by changing the cylinder plate included with control. Use 1 1/4" mortise cylinder with a straight cam. Schlage cam reference B502-191. Use with a pull trim (990DT pictured).

Lever styles

Decorative levers



M51
Knurling available



M52
Knurling available



M53



M54



M55



M56



M57 ..



M61
(Handed)



M62 ..
(Handed)



M63
(Handed)



M81
Knurling available



M82



M83



M84



M85
(Handed)

.. Available in Stainless Steel substrate ONLY.

Standard Levers



01



02
Knurling available



03*
Knurling available



05



06*
Default lever
Knurling available



07



12
(Handed)



16
(Omega)



17*
Knurling available



18



ACC
(Accent)
(Handed)



AST
(Asti)
(Handed)



MER
(Merano)
(Handed)



LAT*
Latitude



LON*
Longitude

*Available in Stainless Steel - specify SS when ordering

98/99 Rim exit device



The 299 Strike ships standard, optional strikes available

98 and 99 Rim exit devices for all types of single and double doors with mullion, UL listed for panic exit hardware. Devices are ANSI A156.3 – 2008 Grade 1. The 98 device has a smooth mechanism case and the 99 device has a grooved case. The rim device is non-handed except when the following device options are used: SD (special dogging), -2 (double cylinder) or SS (signal switch). See Opposite page for available outside trim and device functions. Covers stock hollow metal doors with 86 or 161 cutouts on single doors (may cover cutouts on pairs – consult template).

Hex key dogging comes standard on 98/99 Rim exit devices



Finishes – US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.

Specifications

Device functions	Device ships EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw from device.	
Device lengths	3'	2'4" to 3' (711mm to 914 mm) Door size
	4'	2'10" to 4' (864 mm to 1219 mm) Door size
Device centerline from finished floor	39 ¹³ / ₁₆ " (1011 mm) 39 ¹¹ / ₁₆ " (1008 mm) with mullion	
Center case dimensions	8" x 2 ³ / ₄ " x 2 ³ / ₈ " (203mm x 70mm x 60mm)	
Mechanism case dimensions	2 ¹ / ₄ " x 2 ¹ / ₄ " (57mm x 57mm)	
Projection	Pushbar neutral – 3 ¹³ / ₁₆ " (97 mm) Pushbar depressed – 3 ¹ / ₁₆ " (78 mm)	
Latch bolt	Deadlocking, ³ / ₄ " (19mm) throw	
Fasteners & sex bolts (SNB)	Includes screw pack for 1 ³ / ₄ " (44mm) and 2 ¹ / ₄ " (57mm) thick metal or wood doors. Optional 425 SNB available, see page 9 for quantities.	
Electric options	LX	Latchbolt monitor switch
	RX	Pushpad monitor switch
	RX2	Double pushpad monitor switch
	E	Electric locking & unlocking trim
	EL	Electric latch retraction
	QEL	Quiet electric latch retraction
	SS	Signal switch
	CX	Chexit delayed exit
	ALK	Alarm exit kit
	WP-RX	Waterproof request to exit
	CON	Allegion Connect
Mechanical options	-2	Double cylinder
	AX	Accessible device
	GBK	Glass bead kit
	PN	Pneumatic latch retraction
	XP	Extra protection
	SNB	Sex bolts
	SEC	Security screws
Dogging feature	Hex key dogging standard	
Dogging options	CD	Cylinder dogging
	SD	Special center case dogging
	LD	Less dogging
	DI	Dogging indicator
	CI	Cylinder dogging indicator
Strikes	299 – Dull black	

XP
Extra protection

- 90° latch-to-strike contact
- Force resistance of 2,000+ lbs.

CD
Cylinder dogging

- Replaces hex key dogging
- Requires 1 1/4" mortise cylinder with inverted cam

QEL
Quiet electric latch retraction

- Bolt retraction via switch
- Converts exit door to push-pull operation

RX
Pushpad monitor switch

- Signals use of an opening
- SPDT switch to monitor pushpad

CX
Chexit delayed exit

- Meets NFPA 101 requirements
- Self-contained controls, locking, alarm

AX
Accessible device

- UL certified to meet new 5 lb. maximum operating force requirement
- Exceeds ANSI/BHMA requirements

EL
Electric latch retraction

- Enables remote unlatching
- Alternative to manual dogging

ALK
Alarm exit kit

- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key




PN
Pneumatic latch retraction





- For areas where electrical devices banned
- Special linkage for mechanical or pneumatic dogging

CON
Allegion Connectors

- Common connectors to connect various door hardware all the way to the power supply

Standard trim

	EO No outside trim Exit only	DT  Dummy trim Pull when dogged	NL  Night latch Key retracts latchbolt	NL-OP  Night latch Key retracts latchbolt optional pull required
Product description	98EO 99EO	98DT 99DT	98NL 99NL	98NL-OP 99NL-OP
Trim description	—	990DT	990NL-R/V	110NL-MD 110NL-WD
Escutcheon plate size	—	3" x 14 ¹³ / ₁₆ " x 3 ³ / ₃₂ " (76x360x2mm)	3" x 14 ¹³ / ₁₆ " x 3 ³ / ₃₂ " (76x360x2mm)	—
Pull center to center	—	5 ¹ / ₂ " (140mm)	5 ¹ / ₂ " (140mm)	—
Projection	—	2" (51mm)	2" (51mm)	—
ANSI function	01	02	03	03
Cylinder type	—	—	Rim	Rim
Handing	—	—	—	—
Optional trim	x990EO x996EO	x996K-DT x996L-DT x696DT x697DT	x996K-NL x996L-NL x696NL x697NL	
Optional #425 SNB quantity for device	6	2	2	6

	L  Lever Key locks & unlocks	L-NL  Lever – night latch Key retracts latchbolt	L-BE  Lever – blank escutcheon Always operable (no cylinder)	L-DT  Lever dummy trim pull when dogged
Product description	98L 99L	98L-NL 99L-NL	98L-BE 99L-BE	98L-DT 99L-DT
Trim description	996L-R/V*	996L-NL-R/V	996L-BE-R/V*	996L-DT
Escutcheon plate size	2 ³ / ₄ " x 10 ³ / ₄ " x 2 ⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 2 ⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 2 ⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 2 ⁷ / ₃₂ " (70x273x21mm)
Pull center to center	—	—	—	—
Projection	2 ⁷ / ₈ " (73mm)	2 ⁷ / ₈ " (73mm)	2 ⁷ / ₈ " (73mm)	2 ⁷ / ₈ " (73mm)
ANSI function	08	03	14	02
Cylinder type	Rim	Rim	—	—
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
Optional #425 SNB quantity for device	2	2	2	2

* Electrified lever operation available

Notes

98-F/99-F Rim exit device



The 299F Strike ships standard, optional strikes available



499F Strike with 9854/9954 mullion

98-F and 99-F Rim fire exit devices for all types of single doors up to 4' x 10' (1219mm x 3048mm) or 8' x 10' (2438mm x 3048mm) double doors with 9954 or 9854 mullion, UL listed for fire exit hardware. See page 76 for detailed information on UL listed fire exit hardware label and door opening size information. Devices are ANSI A156.3 – 2008 Grade 1. The 98-F device has a smooth mechanism case and the 99-F device has a grooved case. The rim device is non-handed except when the following device options are used: -2 (double cylinder) or SS (signal switch). See opposite page for available outside trim and device functions.

Finishes – US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.

Specifications

Device functions	Device ships EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw from device.	
Device lengths	3'	2'4" to 3' (711mm to 914 mm) Door size
	4'	2'10" to 4' (864 mm to 1219 mm) Door size
Device centerline from finished floor	39 ¹³ / ₁₆ " (1011 mm) 39 ¹¹ / ₁₆ " (1008 mm) with mullion	
Center case dimensions	8" x 2 ³ / ₄ " x 2 ³ / ₈ " (203mm x 70mm x 60mm)	
Mechanism case dimensions	2 ¹ / ₄ " x 2 ¹ / ₄ " (57mm x 57mm)	
Projection	Pushbar neutral – 3 ¹³ / ₁₆ " (97 mm) Pushbar depressed – 3 ¹ / ₁₆ " (78 mm)	
Latch bolt	Deadlocking, ³ / ₄ " (19mm) throw	
Fasteners & sex bolts (SNB)	Includes screw pack for 1 ³ / ₄ " (44mm) and 2 ¹ / ₄ " (57mm) thick metal or wood doors. Optional 425 SNB available for metal doors. 425 & 825 SNB required on wood doors without SLM blocking. See page 11 for quantities.	
Electric options	LX	Latchbolt monitor switch
	RX	Pushpad monitor switch
	RX2	Double pushpad monitor switch
	E	Electric locking & unlocking trim
	EL	Electric latch retraction
	QEL	Quiet electric latch retraction
	SS	Signal switch
	CX	Chexit delayed exit
	ALK	Alarm exit kit
	WP-RX	Waterproof request to exit
CON	Allegion Connect	
Mechanical options	-2	Double cylinder
	AX	Accessible device
	GBK	Glass bead kit
	PN	Pneumatic latch retraction
	XP	Extra protection
	SNB	Sex bolts
	SEC	Security screws
	SLM	Special Laminate Material Blocking
Dogging option	No mechanical dogging. EL and QEL option available	
Strikes	299F – Dull black, 499F with mullions	

XP
Extra protection

- 90° latch-to-strike contact
- Force resistance of 2,000+ lbs.

RX
Pushpad monitor switch

- Signals use of an opening
- SPDT switch to monitor pushpad

EL
Electric latch retraction

- Enables remote unlatching
- Alternative to manual dogging

ALK
Alarm exit kit

- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key

QEL
Quiet electric latch retraction

- Bolt retraction via switch
- Converts exit door to push-pull operation

CX
Chexit delayed exit

- Meets NFPA 101 requirements
- Self-contained controls, locking, alarm

AX
Accessible device

- UL certified to meet new 5 lb. maximum operating force requirement
- Exceeds ANSI/BHMA requirements

SG
Safety glow

- Shows exit door location in darkness or smoke
- Developed to meet MEA standards




PN
Pneumatic latch retraction





- For areas where electrical devices banned
- Special linkage for mechanical or pneumatic dogging

CON
Allegion Connectors

- Common connectors to connect various door hardware all the way to the power supply

Standard trim

	EO	DT 	NL 	NL-OP 
	No outside trim Exit only	Dummy trim Pull when dogged (not recommended for fire device)	Night latch Key retracts latchbolt	Night latch Key retracts latchbolt optional pull required
Product description	98EO-F 99EO-F	98DT-F 99DT-F	98NL-F 99NL-F	98NL-OP-F 99NL-OP-F
Trim description	—	990DT	990NL-R/V	110NL-MD 110NL-WD
Escutcheon plate size	—	3" x 14 ¹³ / ₁₆ " x 3 ³ / ₃₂ " (76x360x2mm)	3" x 14 ¹³ / ₁₆ " x 3 ³ / ₃₂ " (76x360x2mm)	—
Pull center to center	—	5 ¹ / ₂ " (140mm)	5 ¹ / ₂ " (140mm)	—
Projection	—	2" (51mm)	2" (51mm)	—
ANSI function	01	02	03	03
Cylinder type	—	—	Rim	Rim
Handing	—	—	—	—
Optional trim	x990EO x996EO	x996K-DT x996L-DT x696DT x697DT	x996K-NL x996L-NL x696NL x697NL	
#425 SNB optional - HMD req. WD w/o SLM pkg.	6	2	2	2
#825 SNB req. WD w/o SLM pkg.	2 (if using trim)	2	2	2
#425 SNB req. w/ 499F	2	2	2	2

	L 	L-NL 	L-BE 	L-DT 
	Lever Key locks & unlocks	Lever – night latch Key retracts latchbolt	Lever – blank escutcheon Always operable (no cylinder)	Lever dummy trim pull when dogged (not recommended for fire device)
Product description	98L-F 99L-F	98L-NL-F 99L-NL-F	98L-BE-F 99L-BE-F	98L-DT-F 99L-DT-F
Trim description	996L-R/V*	996L-NL-R/V	996L-BE-R/V*	996L-DT
Escutcheon plate size	2 ³ / ₄ " x 10 ³ / ₄ " x 2 ⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 2 ⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 2 ⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 2 ⁷ / ₃₂ " (70x273x21mm)
Pull center to center	—	—	—	—
Projection	2 ⁷ / ₈ " (73mm)	2 ⁷ / ₈ " (73mm)	2 ⁷ / ₈ " (73mm)	2 ⁷ / ₈ " (73mm)
ANSI function	08	03	14	02
Cylinder type	Rim	Rim	—	—
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
#425 SNB optional - HMD req. WD w/o SLM pkg.	2	2	2	2
#825 SNB req. WD w/o SLM pkg.	2 (if using trim)	2	2	2
#425 SNB req. w/ 499F	2	2	2	2

* Electrified lever operation available

XP98/99 Rim exit device



XP98/99 Rim exit devices are designed for single and double doors with mullion that require increased security. The XP latch provides twice the static load force resistance of standard exit devices. The “smart” latch changes shape when subjected to external forces. This design enables the exit door to withstand an external attack and remain secure. Additionally, the patented latch bolt design provides greater, longer-lasting latch bolt to strike contact which is not easily affected by the twisting motion of a weakened frame, resulting in an opening that will remain strong. Devices are ANSI A156.3 – 2014 Grade 1 and UL listed for panic exit hardware. The rim device is non-handed except when the following device options are used: SD (special dogging) or -2 (double cylinder). See Opposite page for available outside trim and device functions. Covers stock hollow metal doors with 86 or 161 cutouts on single doors (may cover cutouts on pairs – consult template).

Finishes – US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.



The 909 Strike ships standard for single or double doors.



XP latch provides increased security with its two piece design.

Hex key dogging comes standard on 98/99 Rim exit devices



Specifications

Device functions	Device ships EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw from device.	
Device lengths	3'	2'4" to 3' (711mm to 914 mm) Door size
	4'	2'10" to 4' (864 mm to 1219 mm) Door size
Device centerline from finished floor	39 ¹³ / ₁₆ " (1011 mm) 39 ¹¹ / ₁₆ " (1008 mm) with mullion	
Center case dimensions	8" x 2 ³ / ₄ " x 2 ³ / ₈ " (203mm x 70mm x 60mm)	
Mechanism case dimensions	2 ¹ / ₄ " x 2 ¹ / ₄ " (57mm x 57mm)	
Projection	Pushbar neutral – 3 ¹³ / ₁₆ " (97 mm) Pushbar depressed – 3 ¹ / ₁₆ " (78 mm)	
Latch bolt	Deadlocking, ³ / ₄ " (19mm) throw	
Fasteners & sex bolts (SNB)	Includes screw pack for 1 ³ / ₄ " (44mm) and 2 ¹ / ₄ " (57mm) thick metal or wood doors. Optional 425 SNB available, see page 13 for quantities.	
Electric options	LX-LC	Latchbolt monitor switch, low current
	RX	Pushpad monitor switch
	RX2	Double pushpad monitor switch
	E	Electric locking & unlocking trim
	EL	Electric latch retraction
	QEL	Quiet electric latch retraction
	CX	Chexit delayed exit
	ALK	Alarm exit kit
	WP-RX	Waterproof request to exit
	CON	Allegion Connect
Mechanical options	-2	Double cylinder (specify handing)
	AX	Accessible device
	GBK	Glass bead kit
	SNB	Sex bolts
	SEC	Security screws
Dogging feature	Hex key dogging standard	
Dogging options	CD	Cylinder dogging
	CDSI	Cylinder dogging with security indicator
	HDSI	Hex dogging with security indicator
	SD	Special center case dogging (specify handing)
	LD	Less dogging
	DI	Dogging indicator
	CI	Cylinder dogging indicator
Strikes	909 – Dull black	

XP
Extra protection

- 90° latch-to-strike contact
- Force resistance of 2,000+ lbs.

CD
Cylinder dogging

- Replaces hex key dogging
- Requires 1 1/4" mortise cylinder with inverted cam

QEL
Quiet electric latch retraction

- Bolt retraction via switch
- Converts exit door to push-pull operation

RX
Pushpad monitor switch

- Signals use of an opening
- SPDT switch to monitor pushpad

CX
Chexit delayed exit

- Meets NFPA 101 requirements
- Self-contained controls, locking, alarm

AX
Accessible device

- UL certified to meet new 5 lb. maximum operating force requirement
- Exceeds ANSI/BHMA requirements

EL
Electric latch retraction

- Enables remote unlatching
- Alternative to manual dogging


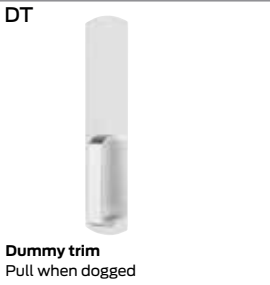


ALK
Alarm exit kit





- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key

CON
Allegion Connectors

- Common connectors to connect various door hardware all the way to the power supply

Standard trim

	EO	DT	NL	NL-OP
				
Product description	XP98EO XP99EO	XP98DT XP99DT	XP98NL XP99NL	XP98NL-OP XP99NL-OP
Trim description	—	990DT	990NL-R/V	110NL-MD 110NL-WD
Escutcheon plate size	—	3" x 14 ¹³ / ₁₆ " x 3 ³ / ₃₂ " (76x360x2mm)	3" x 14 ¹³ / ₁₆ " x 3 ³ / ₃₂ " (76x360x2mm)	—
Pull center to center	—	5 ¹ / ₂ " (140mm)	5 ¹ / ₂ " (140mm)	—
Projection	—	2" (51mm)	2" (51mm)	—
ANSI function	01	02	03	03
Cylinder type	—	—	Rim	Rim
Handing	—	—	—	—
Optional trim	x990EO x996EO	x996K-DT x996L-DT x696DT x697DT	x996K-NL x996L-NL x696NL x697NL	
Optional #425 SNB quantity for device	6	2	2	6

	L	L-NL	L-BE	L-DT
				
Product description	XP98L XP99L	XP98L-NL XP99L-NL	XP98L-BE XP99L-BE	XP98L-DT XP99L-DT
Trim description	996L-R/V*	996L-NL-R/V	996L-BE-R/V*	996L-DT
Escutcheon plate size	2 ³ / ₄ " x 10 ³ / ₄ " x 2 ⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 2 ⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 2 ⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 2 ⁷ / ₃₂ " (70x273x21mm)
Pull center to center	—	—	—	—
Projection	2 ⁷ / ₈ " (73mm)	2 ⁷ / ₈ " (73mm)	2 ⁷ / ₈ " (73mm)	2 ⁷ / ₈ " (73mm)
ANSI function	08	03	14	02
Cylinder type	Rim	Rim	—	—
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
Optional #425 SNB quantity for device	2	2	2	2

* Electrified lever operation available

Notes

XP98-F/99-F Rim exit device



XP98/99 Rim fire exit devices are designed for single (up to 4' x 10') and double doors (up to 8' x 10') with 9954-XP mullion that require increased security. The XP latch provides twice the static load force resistance of standard exit devices. The "smart" latch changes shape when subjected to external forces. This design enables the exit door to withstand an external attack and remain secure. Additionally, the patented latch bolt design provides greater, longer-lasting latch bolt to strike contact which is not easily affected by the twisting motion of a weakened frame, resulting in an opening that will remain strong. Devices are ANSI A156.3 – 2014 Grade 1 and UL listed for fire exit hardware. The rim device is non-handed except when the following device option is used: -2 (double cylinder). See Opposite page for available outside trim and device functions. Covers stock hollow metal doors with 86 or 161 cutouts on single doors (may cover cutouts on pairs – consult template).

Finishes – US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.



XP latch provides increased security with its two piece design.



909 Strike for fire rated single doors



954 Strike for fire rated double doors and 9954XP mullion

Specifications

Device functions	Device ships EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw from device.	
Device lengths	3'	2'4" to 3' (711mm to 914 mm) Door size
	4'	2'10" to 4' (864 mm to 1219 mm) Door size
Device centerline from finished floor	39 ^{13/16} " (1011 mm) 39 ^{11/16} " (1008 mm) with mullion	
Center case dimensions	8" x 2 ^{3/4} " x 2 ^{3/8} " (203mm x 70mm x 60mm)	
Mechanism case dimensions	2 ^{1/4} " x 2 ^{1/4} " (57mm x 57mm)	
Projection	Pushbar neutral – 3 ^{13/16} " (97 mm) Pushbar depressed – 3 ^{1/16} " (78 mm)	
Latch bolt	Deadlocking, 3/4" (19mm) throw	
Fasteners & sex bolts (SNB)	Includes screw pack for 1 ^{3/4} " (44mm) and 2 ^{1/4} " (57mm) thick metal or wood doors. Optional 425 SNB available for metal doors. 425 & 825 SNB required on wood doors without SLM blocking. See page 15 for quantities.	
Electric options	LX-LC	Latchbolt monitor switch, low current
	RX	Pushpad monitor switch
	RX2	Double pushpad monitor switch
	E	Electric locking & unlocking trim
	EL	Electric latch retraction
	QEL	Quiet electric latch retraction
	CX	Chexit delayed exit
	ALK	Alarm exit kit
	WP-RX	Waterproof request to exit
	CON	Allegion Connect
Mechanical options	-2	Double cylinder (specify handing)
	AX	Accessible device
	GBK	Glass bead kit
	SNB	Sex bolts
	SEC	Security screws
	SLM	Special Laminated Material Blocking
Dogging option	No mechanical dogging. EL and QEL option available	
Strikes	909 – Dull black, fire rated single doors 954 – Dull black, fire rated double doors	

XP

Extra protection

- 90° latch-to-strike contact
- Force resistance of 2,000+ lbs.

RX

Pushpad monitor switch

- Signals use of an opening
- SPDT switch to monitor pushpad

EL

Electric latch retraction

- Enables remote unlatching
- Alternative to manual dogging

ALK

Alarm exit kit

- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key

QEL

Quiet electric latch retraction

- Bolt retraction via switch
- Converts exit door to push-pull operation

CX

Chexit delayed exit

- Meets NFPA 101 requirements
- Self-contained controls, alarm

AX

Accessible device

- UL certified to meet new 5 lb. maximum operating force requirement
- Exceeds ANSI/BHMA requirements

SG

Safety glow





- Shows exit door location in darkness or smoke
- Developed to meet MEA standards





CON

Allegion Connectors

- Common connectors to connect various door hardware all the way to the power supply

Standard trim

	EO	DT	NL	NL-OP
				
	No outside trim Exit only	Dummy trim Pull when dogged (not recommended for fire device)	Night latch Key retracts latchbolt	Night latch Key retracts latchbolt optional pull required
Product description	XP98EO-F XP99EO-F	XP98DT-F XP99DT-F	XP98NL-F XP99NL-F	XP98NL-OP-F XP99NL-OP-F
Trim description	—	990DT	990NL-R/V	110NL-MD 110NL-WD
Escutcheon plate size	—	3" x 14 ¹³ / ₁₆ " x 3 ³ / ₃₂ " (76x360x2mm)	3" x 14 ¹³ / ₁₆ " x 3 ³ / ₃₂ " (76x360x2mm)	—
Pull center to center	—	5 ¹ / ₂ " (140mm)	5 ¹ / ₂ " (140mm)	—
Projection	—	2" (51mm)	2" (51mm)	—
ANSI function	01	02	03	03
Cylinder type	—	—	Rim	Rim
Handing	—	—	—	—
Optional trim	x990EO x996EO	x996K-DT x996L-DT x696DT x697DT	x996K-NL x996L-NL x696NL x697NL	
#425 SNB optional - HMD req. WD w/o SLM pkg.	2	2	2	2
#825 SNB req. WD w/o SLM pkg.	2 (if using trim)	2	2	2
#425 SNB req. w/ 954F	2	2	2	2

	L	L-NL	L-BE	L-DT
				
	Lever Key locks & unlocks	Lever - night latch Key retracts latchbolt	Lever - blank escutcheon Always operable (no cylinder)	Lever dummy trim pull when dogged (not recommended for fire device)
Product description	XP98L-F XP99L-F	XP98L-NL-F XP99L-NL-F	XP98L-BE-F XP99L-BE-F	XP98L-DT-F XP99L-DT-F
Trim description	996L-R/V*	996L-NL-R/V	996L-BE-R/V*	996L-DT
Escutcheon plate size	2 ³ / ₄ " x 10 ³ / ₄ " x 27 ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 27 ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 27 ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 27 ²⁷ / ₃₂ " (70x273x21mm)
Pull center to center	—	—	—	—
Projection	2 ⁷ / ₈ " (73mm)	2 ⁷ / ₈ " (73mm)	2 ⁷ / ₈ " (73mm)	2 ⁷ / ₈ " (73mm)
ANSI function	08	03	14	02
Cylinder type	Rim	Rim	—	—
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
#425 SNB optional - HMD req. WD w/o SLM pkg.	2	2	2	2
#825 SNB req. WD w/o SLM pkg.	2 (if using trim)	2	2	2
#425 SNB req. w/ 954F	2	2	2	2

* Electrified lever operation available

9875/9975 Mortise lock device



9875/9975 Mortise lock device for all types of single or double doors, UL listed for Panic exit hardware. Devices are ANSI A156.3 – 2008 Grade 1. Fits stock hollow metal doors with 86 cutout and door stiles as narrow as 4 3/4" (121mm). The 9875 device has a smooth mechanism case and the 9975 device has a grooved case. The mortise lock device is non-handed except when the following device options are used: -2 (double cylinder) or SS (signal switch). See opposite page for available outside trim and device functions.

The 7500 Mortise lock is equipped with a 3/4" (19mm) anti-friction latch bolt which is field reversible without removing the lock from the door. It has a non-handed auxiliary bolt for deadlocking and a faceplate with an adjustable bevel.

Finishes – US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.

Hex key dogging comes standard on 9875/9975 Mortise Lock Devices



Specifications

Device functions	Device ships EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw from device.	
Device lengths	3' 4'	2'4" to 3' (711mm to 914 mm) Door size 2'10" to 4' (864 mm to 1219 mm) Door size
Device centerline from finished floor	39 13/16" (1011 mm) 39 11/16" (1008 mm) with mullion	
Center case dimensions	8" x 2 3/4" x 2 3/8" (203mm x 70mm x 60mm)	
Mechanism case dimensions	2 1/4" x 2 1/4" (57mm x 57mm)	
Projection	Pushbar neutral – 3 13/16" (97 mm) Pushbar depressed – 3 1/16" (78 mm)	
Fasteners & sex bolts (SNB)	Includes screw pack for 1 3/4" (44mm) and 2 1/4" (57mm) thick metal or wood doors. Optional 425 SNB available, see page 17 for quantities.	
Electric options	RX	Pushpad monitor switch
	RX2	Double pushpad monitor switch
	E	Electric locking & unlocking trim
	EL	Electric latch retraction
	QEL	Quiet electric latch retraction
	SS	Signal switch
	CX	Chexit delayed exit
	ALK	Alarm exit kit
	WP-RX	Waterproof request to exit
	CON	Allegion Connect
Mechanical options	-2	Double cylinder
	GBK	Glass bead kit
	PN	Pneumatic latch retraction
	SNB	Sex bolts
	SEC	Security screws
Dogging feature	Hex key dogging standard	
Dogging option	CD	Cylinder dogging
	SD	Special center case dogging
	LD	Less dogging
	DI	Dogging indicator
	CI	Cylinder dogging indicator
Strikes	575 – Dull Black	

QEL
Quiet electric latch retraction

- Bolt retraction via switch
- Converts exit door to push-pull operation

CD
Cylinder dogging

- Replaces hex key dogging
- Requires 1 1/4" mortise cylinder with inverted cam

CX
Chexit delayed exit

- Meets NFPA 101 requirements
- Self-contained controls, locking, alarm

RX
Pushpad monitor switch

- Signals use of an opening
- SPDT switch to monitor pushpad

EL
Electric latch retraction

- Enables remote unlatching
- Alternative to manual dogging

ALK
Alarm exit kit

- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key

E (E7500)
Electric mortise lock device

- Remains latched while unlocked
- Remote electrical control

CON
Allegion Connectors

- Common connectors to connect various door hardware all the way to the power supply




PN
Pneumatic latch retraction





- For areas where electrical devices banned
- Special linkage for mechanical or pneumatic dogging

SS 7500
Signal switch

- Signals unauthorized use of an opening
- Switch makes latch bolt tamper-resistant

Standard trim

	EO	DT 	NL 	HL 
	No outside trim Exit only	Dummy trim Pull when dogged (not recommended for fire device)	Night latch Key retracts latchbolt	Hospital latch Key locks & unlocks
Product description	9875EO 9975EO	9875DT 9975DT	9875NL 9975NL	9875HL 9975HL
Trim description	—	990DT	990NL-M	HL6M
Escutcheon plate size	—	3" x 14 ³ / ₁₆ " x 3 ³ / ₃₂ " (76x360x2mm)	3" x 14 ³ / ₁₆ " x 3 ³ / ₃₂ " (76x360x2mm)	2 ⁹ / ₁₆ " x 5 ¹ / ₂ " x 2 ⁵ / ₈ " (65x140x67mm)
Pull center to center	—	5 ¹ / ₂ " (140mm)	5 ¹ / ₂ " (140mm)	—
Projection	—	2" (51mm)	2" (51mm)	2 ⁵ / ₈ " (67mm)
ANSI function	01	02	03	—
Cylinder type	—	—	1 ¹ / ₄ " Mortise	1 ¹ / ₄ " Mortise
Handing				
Optional trim	x990EO x996EO	x996K-DT x996L-DT) x696DT x697DT	x996K-NL x996L-NL x696NL x697NL	
Optional #425 SNB quantity for device	6	2	2	2

	L 	L-NL 	L-BE 	L-DT 
	Lever Key locks & unlocks	Lever – night latch Key retracts latchbolt	Lever – blank escutcheon Always operable (no cylinder)	Lever dummy trim pull when dogged
Product description	9875L 9975L	9875L-NL 9975L-NL	9875L-BE 9975L-BE	9875L-DT 9975L-DT
Trim description	996L-M*	996L-NL-M	996L-BE-M*	996L-DT
Escutcheon plate size	2 ³ / ₄ " x 10 ³ / ₄ " x 2 ⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 2 ⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 2 ⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 2 ⁷ / ₃₂ " (70x273x21mm)
Pull center to center	—	—	—	—
Projection	2 ⁷ / ₈ " (73mm)	2 ⁷ / ₈ " (73mm)	2 ⁷ / ₈ " (73mm)	2 ⁷ / ₈ " (73mm)
ANSI function	08	03	14	02
Cylinder type	1 ¹ / ₄ " Mortise	1 ¹ / ₄ " Mortise	—	—
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
Optional #425 SNB quantity for device	2	2	2	2

* Electrified lever operation available

Notes

🔥 9875-F/9975-F Mortise lock fire exit device



9875-F/9975-F Fire exit mortise lock devices for all types of single doors up to 4' x 10' (1219mm x 3048mm) or 8' x 10' (2438mm x 3048mm) double doors installations, UL listed for fire exit hardware; See page 76 for detailed information on UL listed fire exit hardware label and door opening size information. Devices are ANSI A156.3 – 2008 Grade 1. Fits door stiles as narrow as 4 3/4" (121mm). The 9875-F device has a smooth mechanism case and the 9975-F device has a grooved case. The mortise lock device is non-handed except when the following device options are used: -2 (double cylinder) or SS (signal switch) devices. See opposite page for available outside trim and functions.

The 7500 Mortise lock is equipped with 3/4" (19mm) anti-friction latch bolt which is field reversible without removing the lock from the door. It has a non-handed auxiliary bolt for deadlocking and a faceplate with an adjustable bevel.

Finishes – US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.

Specifications

Device functions	Device ships EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw.	
Device lengths	3' 4'	2'4" to 3' (711mm to 914 mm) Door size 2'10" to 4' (864 mm to 1219 mm) Door size
Device centerline from finished floor	39 13/16" (1011 mm) 39 11/16" (1008 mm) with mullion	
Center case dimensions	8" x 2 3/4" x 2 3/8" (203mm x 70mm x 60mm)	
Mechanism case dimensions	2 1/4" x 2 1/4" (57mm x 57mm)	
Projection	Pushbar neutral – 3 13/16" (97 mm) Pushbar depressed – 3 1/16" (78 mm)	
Fasteners & sex bolts (SNB)	Includes screw pack for 1 3/4" (44mm) and 2 1/4" (57mm) thick metal or wood doors. Optional 425 SNB available for metal doors. 425 & 825 SNB required on wood doors without SLM blocking. See page 19 for quantities.	
Electric options	RX	Pushpad monitor switch
	RX2	Double pushpad monitor switch
	E	Electric locking & unlocking trim
	EL	Electric latch retraction
	QEL	Quiet electric latch retraction
	SS	Signal switch
	CX	Chexit delayed exit
	ALK	Alarm exit kit
	WP-RX	Waterproof request to exit
	CON	Allegion Connect
Mechanical options	-2	Double cylinder
	GBK	Glass bead kit
	PN	Pneumatic latch retraction
	SNB	Sex bolts
	SEC	Security screws
	SLM	Special Laminate Material Blocking
Dogging option	No Mechanical Dogging. EL and QEL option available	
Strikes	575 – Dull Black	

QEL
Quiet electric latch retraction

- Bolt retraction via switch
- Converts exit door to push-pull operation

RX
Pushpad monitor switch

- Signals use of an opening
- SPDT switch to monitor pushpad

CX
Chexit delayed exit

- Meets NFPA 101 requirements
- Self-contained controls, locking, alarm

ALK
Alarm exit kit

- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key

EL
Electric latch retraction

- Enables remote unlatching
- Alternative to manual dogging

SG
Safety glow

- Shows exit door location in darkness or smoke
- Developed to meet MEA standards

E (E7500)
Electric mortise lock device

- Remains latched while unlocked
- Remote electrical control

SS 7500
Signal switch

- Signals unauthorized use of an opening
- Switch makes latch bolt tamper-resistant

PN
Pneumatic latch retraction


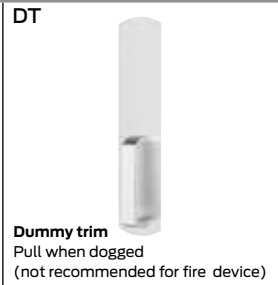


- For areas where electrical devices banned
- Special linkage for mechanical or pneumatic dogging





CON
Allegion Connectors

- Common connectors to connect various door hardware all the way to the power supply



Standard trim

	EO	DT	NL	HL
				
Product description	9875EO-F 9975EO-F	— —	9875NL-F 9975NL-F	9875HL-F 9975HL-F
Trim description	—	990DT	990NL-M	HL6M
Escutcheon plate size	—	3" x 14 ³ / ₁₆ " x 3 ³ / ₃₂ " (76x360x2mm)	3" x 14 ³ / ₁₆ " x 3 ³ / ₃₂ " (76x360x2mm)	2 ⁹ / ₁₆ " x 5 ¹ / ₂ " x 2 ⁵ / ₈ " (65x140x67mm)
Pull center to center	—	5 ¹ / ₂ " (140mm)	5 ¹ / ₂ " (140mm)	—
Projection	—	2" (51mm)	2" (51mm)	2 ⁵ / ₈ " (67mm)
ANSI function	01	02	03	—
Cylinder type	—	—	1 ¹ / ₄ " Mortise	1 ¹ / ₄ " Mortise
Handing				
Optional trim	x990EO x996EO	x996K-DT x996L-DT) x696DT x697DT	x996K-NL x996L-NL x696NL x697NL	
Optional #425 SNB quantity for device	6	2	2	2

	L	L-NL	L-BE	L-DT
				
Product description	9875L-F 9975L-F	9875L-NL-F 9975L-NL-F	9875L-BE-F 9975L-BE-F	— —
Trim description	996L-M*	996L-NL-M	996L-BE-M*	996L-DT
Escutcheon plate size	2 ³ / ₄ " x 10 ³ / ₄ " x 2 ⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 2 ⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 2 ⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 2 ⁷ / ₃₂ " (70x273x21mm)
Pull center to center	—	—	—	—
Projection	2 ⁷ / ₈ " (73mm)	2 ⁷ / ₈ " (73mm)	2 ⁷ / ₈ " (73mm)	2 ⁷ / ₈ " (73mm)
ANSI function	08	03	14	02
Cylinder type	1 ¹ / ₄ " Mortise	1 ¹ / ₄ " Mortise	—	—
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
Optional #425 SNB quantity for device	2	2	2	2

* Electrified lever operation available

Notes

9827/9927 Surface mounted vertical rod device



9827/9927 Surface mounted vertical rod device for all types of single or double doors, UL listed for panic exit hardware. Devices are ANSI A156.3 – 2008 Grade 1. Covers stock hollow metal doors with 86 or 161 cutouts. The 9827 device has a smooth mechanism case and the 9927 device has a grooved case. The surface vertical rod device is non-handed except when the following device options are used: SD (special dogging), SS (signal switch) or WS (Tornado/Hurricane). See opposite page for available outside trim and functions. Vertical rod and latch guards are available to protect the bottom rod of the exit device from damage by impacts of carts or gurneys passing through doors.

Finishes – US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.

Specifications

Device functions	Device ships EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw from device.	
Device lengths	2'	2' (610 mm) Door size
	3'	2'4" to 3' (711mm to 914 mm) Door size
	4'	2'10" to 4' (864 mm to 1219 mm) Door size
Device centerline from finished floor	39 ⁵ / ₈ " (1006 mm)	
Center case dimensions	8" x 2 ³ / ₄ " x 2 ³ / ₈ " (203mm x 70mm x 60mm)	
Mechanism case dimensions	2 ¹ / ₄ " x 2 ¹ / ₄ " (57mm x 57mm)	
Projection	Pushbar neutral – 3 ¹³ / ₁₆ " (97 mm) Pushbar depressed – 3 ¹ / ₁₆ " (78 mm)	
Latch bolt	Deadlocking anti-friction top & bottom bolt, ⁵ / ₈ " (16mm) throw	
Door undercut	1/4" (7mm) recommended	
Top & bottom Latch case	4 1/2" x 2 1/8" x 1 1/2" (114mm x 54mm x 38mm)	
Vertical rods	1/2" square tubing, standard rods accommodate 7' (2134mm) doors. Top rod length: 34 ¹⁵ / ₁₆ " (887mm); Bottom rod length: 31 1/2" (794mm) Extension rods available in 1' (205mm) or 3' (914mm) for doors over 7'. One piece top rod is available for 8' (2438mm) and 10' (3048mm) doors.	
Fasteners & sex bolts (SNB)	Includes screw pack for 1 ³ / ₄ " (44mm) to 2 ¹ / ₄ " (57mm) thick metal or wood doors, and 325 SNB for top and bottom latch. Optional 425 SNB available.	
Electric options	LX	Latchbolt monitor switch
	RX	Pushpad monitor switch
	RX2	Double pushpad monitor switch
	EL	Electric latch retraction
	QEL	Quiet electric latch retraction
	SS	Signal switch
	CX	Chexit delayed exit
	ALK	Alarm exit kit
	PN	Pneumatic latch retraction
	LBR	Less bottom rod
WP-RX	Waterproof request to exit	
CON	Allegion Connect	
Mechanical options	GBK	Glass bead kit
	PL	Pullman latch
	WS	Tornado and hurricane tested
	SNB	Sex bolts
	SEC	Security screws
Dogging feature Dogging option	Hex key dogging standard	
	CD	Cylinder dogging
	SD	Special center case dogging
	LD	Less dogging
	DI	Dogging indicator
	CI	Cylinder dogging indicator
Strikes	Top - 299 – Dull black, Bottom – 248L4 & 304L – Unfinished	



Hex key dogging comes standard on 9827/9927

WS
Windstorm

- Severe weather certified/tested
- FEMA and ICC compliant
- Tornado & hurricane tested

RX
Pushpad monitor switch

- Signals use of an opening
- SPDT switch to monitor pushpad

QEL
Quiet electric latch retraction

- Bolt retraction via switch
- Converts exit door to push-pull operation

CON
Allegion Connectors

- Common connectors to connect various door hardware all the way to the power supply

EL
Electric latch retraction

- Enables remote unlatching
- Alternative to manual dogging

ALK
Alarm exit kit

- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key

E (E996L)
Electrified breakaway lever

- Electrified remote locking/unlocking
- Standard in fail safe condition

CX
Chexit delayed exit

- Meets NFPA 101 requirements
- Self-contained controls, locking, alarm

PN
Pneumatic latch retraction







- For areas where electrical devices banned
- Special linkage for mechanical or pneumatic dogging





SS
Signal switch

- Signals unauthorized use of an opening
- Switch makes latch bolt tamper-resistant

9827/9927 Surface mounted vertical rod device

Standard trim

	EO	DT	NL	NL-OP	TL	TL-BE
						
Product description	9827EO 9927EO	9827DT 9927DT	9827NL 9927NL	9827NL-OP 9927NL-OP	9827TL 9927TL	9827TL-BE 9927TL-BE
Trim description	—	990DT	990NL-R/V	110NL-MD 110NL-WD	374T X 990DT	374T-BE X 990DT
Escutcheon plate size	—	3" x 14 ^{13/16} " x 3 ^{3/32} " (76x360x2mm)	3" x 14 ^{13/16} " x 3 ^{3/32} " (76x360x2mm)	—	1 ^{11/16} " x 7 ^{1/2} " x 7 ^{7/8} " (43x191x22mm)	1 ^{11/16} " x 7 ^{1/2} " x 7 ^{7/8} " (43x191x22mm)
Pull center to center	—	5 ^{1/2} " (140mm)	5 ^{1/2} " (140mm)	—	—	—
Projection	—	2" (51mm)	2" (51mm)	—	3 ^{1/4} " (83mm)	3 ^{1/4} " (83mm)
ANSI function	01	02	03	03	11 or 12	16
Cylinder type	—	—	Rim	Rim	1 ^{1/4} " Mortise	—
Handing	—	—	—	—	—	—
Optional trim	x990EO x996EO	x996K-DT x996L-DT x696DT x697DT	x996K-NL x996L-NL x696NL x697NL			
Optional #425 SNB quantity for device	6	2	2	6	2	2

	L	L-NL	L-BE	L-DT
				
Product description	9827L 9927L	9827L-NL 9927L-NL	9827L-BE 9927L-BE	9827L-DT 9927L-DT
Trim description	996L-R/V*	996L-NL-R/V	996L-BE-R/V*	996L-DT
Escutcheon plate size	2 ^{3/4} " x 10 ^{3/4} " x 2 ^{7/32} " (70x273x21mm)	2 ^{3/4} " x 10 ^{3/4} " x 2 ^{7/32} " (70x273x21mm)	2 ^{3/4} " x 10 ^{3/4} " x 2 ^{7/32} " (70x273x21mm)	2 ^{3/4} " x 10 ^{3/4} " x 2 ^{7/32} " (70x273x21mm)
Pull center to center	—	—	—	—
Projection	2 ^{7/8} " (73mm)	2 ^{7/8} " (73mm)	2 ^{7/8} " (73mm)	2 ^{7/8} " (73mm)
ANSI function	08	03	14	02
Cylinder type	Rim	Rim	—	—
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
Optional #425 SNB quantity for device	2	2	2	2

* Electrified lever operation available

Notes

9827-F/9927-F Surface Mounted Vertical Rod Fire Device



9827-F/9927-F Fire exit surface mounted vertical rod device pairs of doors up to 8' x 10' (2438mm x 3048mm), UL listed for fire exit hardware. See page 76 for detailed information on UL listed fire exit hardware label and door opening size information. Devices are ANSI A156.3 – 2008 Grade 1. The 9827-F device has a smooth mechanism case and the 9927-F device has a grooved case. The surface vertical rod device is non-handed except when the following device options are used: SS (signal switch), and WS (Tornado/Hurricane). See opposite page for available outside trim and device functions. Vertical rod and latch guards are available to protect the bottom rod of the exit device from damage by impacts of carts or gurneys passing through doors. Rod and latch guards can be used on hollow metal or tin clad composite fire doors.

Finishes – US3, US4, US10, US26, US26D, US28 & 313. US15 and US32D available with 98 Series only.

Specifications

Device functions	Device ships EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw from device.	
Device lengths	2'	2' (610 mm) Door size
	3'	2'4" to 3' (711mm to 914 mm) Door size
	4'	2'10" to 4' (864 mm to 1219 mm) Door size
Device centerline from finished floor	39 ⁵ / ₈ " (1006 mm)	
Center case dimensions	8" x 2 ³ / ₄ " x 2 ³ / ₈ " (203mm x 70mm x 60mm)	
Mechanism case dimensions	2 ¹ / ₄ " x 2 ¹ / ₄ " (57mm x 57mm)	
Projection	Pushbar neutral – 3 ¹³ / ₁₆ " (97 mm) Pushbar depressed – 3 ¹ / ₁₆ " (78 mm)	
Latch bolt	Deadlocking anti-friction top & bottom bolt, ⁵ / ₈ " (16mm) throw	
Door undercut	1/4" (7mm) recommended	
Top & bottom Latch case	4 1/2" x 2 1/8" x 1 1/2" (114mm x 54mm x 38mm)	
Vertical rods	1/2" square tubing, standard rods accommodate 7' (2134mm) doors. Top rod length: 34 ¹⁵ / ₁₆ " (887mm); Bottom rod length: 31 1/2" (794mm) Extension rods available in 1' (205mm) or 3' (914mm) for doors over 7'. One piece top rod is available for 8' (2438mm) and 10' (3048mm) doors.	
Fasteners & sex bolts (SNB)	Includes screw pack for 1 3/4" (44mm) to 2 1/4" (57mm) thick metal or wood doors, and 325 SNB for top and bottom latch. Optional 425 SNB available.	
Electric options	LX	Latchbolt monitor switch
	RX	Pushpad monitor switch
	RX2	Double pushpad monitor switch
	E	Electric unlocking and locking trim
	EL	Electric latch retraction
	QEL	Quiet electric latch retraction
	SS	Signal switch
	CX	Chexit delayed exit
	ALK	Alarm exit kit
	WP-RX	Waterproof request to exit
CON	Allegion Connect	
Mechanical options	GBK	Glass bead kit
	PN	Pneumatic latch retraction
	LBR	Less bottom rod
	PL	Pullman latch
	WS	Tornado and hurricane tested
	SNB	Sex bolts
	SEC	Security screws
SLM	Special laminate material blocking	
Dogging option	No mechanical dogging. EL and QEL option available	
Strikes	Top – 299F (499F LBR) Dull black, Bottom – 304L - Unfinished	

WS
Windstorm

- Severe weather certified/tested
- FEMA and ICC compliant
- Tornado & hurricane tested

RX
Pushpad monitor switch

- Signals use of an opening
- SPDT switch to monitor pushpad

QEL
Quiet electric latch retraction

- Bolt retraction via switch
- Converts exit door to push-pull operation

ALK
Alarm exit kit

- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key

EL
Electric latch retraction

- Enables remote unlatching
- Alternative to manual dogging

CX
Chexit delayed exit

- Meets NFPA 101 requirements
- Self-contained controls, locking, alarm

E (E996L)
Electrified breakaway lever

- Electrified remote locking/unlocking
- Standard in fail safe condition

LBR
Less bottom rod

- Available with UL Fire Label
- For pairs of vertical rod devices






PN
Pneumatic latch retraction





- For areas where electrical devices banned
- Special linkage for mechanical or pneumatic dogging

CON
Allegion Connectors

- Common connectors to connect various door hardware all the way to the power supply

Standard trim

	EO	DT 	NL 	NL-OP 	TL 	TL-BE 
	No outside trim Exit only	Dummy trim Pull when dogged (not recommended for fire device)	Night latch Key retracts latchbolt	Night latch Key retracts latchbolt optional pull required	Thumbturn Key locks & unlocks (use with DT trim)	Thumbturn Blank escutcheon always operable (no cylinder) (use with DT trim)
Product description	9827EO-F 9927EO-F	— —	9827NL-F 9927NL-F	9827NL-OP-F 9927NL-OP-F	9827TL-F 9927TL-F	9827TL-BE-F 9927TL-BE-F
Trim description	—	990DT	990NL-R/V	110NL-MD 110NL-WD	374T X 990DT	374T-BE X 990DT
Escutcheon plate size	—	3" x 14 ^{13/16"} x 3 ^{3/32"} (76x360x2mm)	3" x 14 ^{13/16"} x 3 ^{3/32"} (76x360x2mm)	—	1 ^{11/16"} x 7 ^{1/2"} x 7 ^{7/8"} (43x191x22mm)	1 ^{11/16"} x 7 ^{1/2"} x 7 ^{7/8"} (43x191x22mm)
Pull center to center	—	5 ^{1/2"} (140mm)	5 ^{1/2"} (140mm)	—	—	—
Projection	—	2" (51mm)	2" (51mm)	—	2" (51mm)	2" (51mm)
ANSI function	01	02	03	03	11 or 12	16
Cylinder type	—	—	Rim	Rim	1 ^{1/4"} Mortise	—
Handing	—	—	—	—	—	—
Optional trim	x990EO x996EO	x996K-DT x996L-DT x696DT x697DT	x996K-NL x996L-NL x696NL x697NL			
Optional #425 SNB quantity for device	6	2	2	6	2	2

	L 	L-NL 	L-BE 	L-DT 
	Lever Key locks & unlocks	Lever – night latch Key retracts latchbolt	Lever – blank escutcheon Always operable (no cylinder)	Lever dummy trim pull when dogged (not recommended for fire device)
Product description	9827L-F 9927L-F	9827L-NL-F 9927L-NL-F	9827L-BE-F 9927L-BE-F	— —
Trim description	996L-R/V*	996L-NL-R/V	996L-BE-R/V*	996L-DT
Escutcheon plate size	2 ^{3/4"} x 10 ^{3/4"} x 2 ^{7/32"} (70x273x21mm)	2 ^{3/4"} x 10 ^{3/4"} x 2 ^{7/32"} (70x273x21mm)	2 ^{3/4"} x 10 ^{3/4"} x 2 ^{7/32"} (70x273x21mm)	2 ^{3/4"} x 10 ^{3/4"} x 2 ^{7/32"} (70x273x21mm)
Pull center to center	—	—	—	—
Projection	2 ^{7/8"} (73mm)	2 ^{7/8"} (73mm)	2 ^{7/8"} (73mm)	2 ^{7/8"} (73mm)
ANSI function	08	03	14	02
Cylinder type	Rim	Rim	—	—
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
Optional #425 SNB quantity for device	2	2	2	2

* Electrified lever operation available

Notes

9857/9957 Three-point latching device



9857/9957 Three-point latching device for all types of single or double doors, UL listed for panic exit hardware. Devices are ANSI A156.3 – 2008 Grade 1. Covers stock hollow metal doors with 86 or 161 cutouts. The 9857 device has a smooth mechanism case and the 9957 device has a grooved case. The three-point latching device is non-handed except when the following device options are used: SD (special dogging), or SS (signal switch). See opposite page for available outside trim and functions. Vertical rod and latch guards are available to protect the bottom rod of the exit device from damage by impacts of carts or gurneys passing through doors.

Finishes – US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.



Hex key dogging comes standard on 9857/9957 Three-point latching devices

Specifications

Device functions	Device ships EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw from device.	
Device lengths	3'	2'4" to 3' (711mm to 914 mm) Door size
	4'	2'10" to 4' (864 mm to 1219 mm) Door size
Device centerline from finished floor	39 ¹³ / ₁₆ " (1011 mm)	
Center case dimensions	8" x 2 ³ / ₄ " x 2 ³ / ₈ " (203mm x 70mm x 60mm)	
Mechanism case dimensions	2 ¹ / ₄ " x 2 ¹ / ₄ " (57mm x 57mm)	
Projection	Pushbar neutral – 3 ¹³ / ₁₆ " (97 mm) Pushbar depressed – 3 ¹ / ₈ " (78 mm)	
Latch bolt	Deadlocking anti-friction top & bottom bolt, ⁵ / ₈ " (16mm) throw Deadlocking rim bolt, ³ / ₄ " (19mm) throw	
Door undercut	¹ / ₄ " (7mm) recommended	
Top & bottom Latch case	4 ¹ / ₂ " x 2 ¹ / ₈ " x 1 ¹ / ₂ " (114mm x 54mm x 38mm)	
Vertical rods	1/2" square tubing, standard rods accommodate 7' (2134mm) doors. Top rod length: 34 ¹⁵ / ₁₆ " (887mm); Bottom rod length: 31 ¹ / ₂ " (794mm) Extension rods available in 1' (205mm) or 3' (914mm) for doors over 7'. One piece top rod is available for 8' (2438mm) and 10' (3048mm) doors.	
Fasteners & sex bolts (SNB)	Includes screw pack for 1 ³ / ₄ " (44mm) to 2 ¹ / ₄ " (57mm) thick metal or wood doors, and 325 SNB for top and bottom latch. Optional 425 SNB available.	
Electric options	LX	Latchbolt monitor switch
	RX	Pushpad monitor switch
	RX2	Double pushpad monitor switch
	E	Electric unlocking and locking trim
	EL	Electric latch retraction
	QEL	Quiet electric latch retraction
	SS	Signal switch
	CX	Chexit delayed exit
	ALK	Alarm exit kit
	WP-RX	Waterproof request to exit
CON	Allegion Connect	
Mechanical options	GBK	Glass bead kit
	PN	Pneumatic latch retraction
	PL	Pullman latch
	WS	Tornado and hurricane tested
	SNB	Sex bolts
	SEC	Security screws
Dogging feature Dogging option	Hex key dogging standard	
	CD	Cylinder dogging
	SD	Special center case dogging
	LD	Less dogging
	DI	Dogging indicator
	CI	Cylinder dogging indicator
Strikes	Top & middle – 299 - Dull black	
	Bottom – 248L4 & 304L - Unfinished	

WS
Windstorm

- Severe weather certified/tested
- FEMA and ICC compliant
- Tornado & hurricane tested

CON
Allegion Connectors

- Common connectors to connect various door hardware all the way to the power supply

PN
Pneumatic latch retraction

- For areas where electrical devices banned
- Special linkage for mechanical or pneumatic dogging

ALK
Alarm exit kit

- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key

EL
Electric latch retraction

- Enables remote unlatching
- Alternative to manual dogging

RX
Pushpad monitor switch

- Signals use of an opening
- SPDT switch to monitor pushpad

E (E996L)
Electrified breakaway lever

- Electrified remote locking/unlocking
- Standard in fail safe condition

LX
Latchbolt monitor switch

- Signals use of an opening
- SPDT switch to monitor latch bolt






QEL
Quiet electric latch retraction





- Bolt retraction via switch
- Converts exit door to push-pull operation

SS
Signal switch

- Signals unauthorized use of an opening
- Switch makes latch bolt tamper-resistant

9857/9957 Three-point latching device

Standard trim						
	EO No outside trim Exit only	DT  Dummy trim Pull when dogged (not recommended for fire device)	NL  Night latch Key retracts latchbolt	NL-OP  Night latch Key retracts latchbolt optional pull required	TL  Thumbturn Key locks & unlocks (use with DT trim)	TL-BE  Thumbturn Blank escutcheon always operable (no cylinder) (use with DT trim)
Product description	9857EO 9957EO	9857DT 9957DT	9857NL 9957NL	9857NL-OP 9957NL-OP	9857TL 9957TL	9857TL-BE 9957TL-BE
Trim description	—	990DT	990NL-R/V	110NL-MD 110NL-WD	374T X 990DT	374T-BE X 990DT
Escutcheon plate size	—	3" x 14 ^{13/16} " x 3 ^{3/32} " (76x360x2mm)	3" x 14 ^{13/16} " x 3 ^{3/32} " (76x360x2mm)	—	2 ^{3/4} " x 10 ^{3/4} " x 27 ^{3/32} " (70x273x21mm)	2 ^{3/4} " x 10 ^{3/4} " x 27 ^{3/32} " (70x273x21mm)
Pull center to center	—	5 ^{1/2} " (140mm)	5 ^{1/2} " (140mm)	—	—	—
Projection	—	2" (51mm)	2" (51mm)	—	2" (51mm)	2" (51mm)
ANSI function	01	02	03	03	11 or 12	16
Cylinder type	—	—	Rim	Rim	1 ^{1/4} " Mortise	—
Handing	—	—	—	—	—	—
Optional trim	x990EO x996EO	x996K-DT x996L-DT x696DT x697DT	x996K-NL x996L-NL x696NL x697NL			
Optional #425 SNB quantity for device	6	2	2	6	2	2

	L  Lever Key locks & unlocks	L-NL  Lever – night latch Key retracts latchbolt	L-BE  Lever – blank escutcheon Always operable (no cylinder)	L-DT  Lever dummy trim pull when dogged
Product description	9857L 9957LF	9857L-NL 9957L-NL	9857L-BE 9957L-BE	— —
Trim description	996L-R/V*	996L-NL-R/V	996L-BE-R/V*	996L-DT
Escutcheon plate size	2 ^{3/4} " x 10 ^{3/4} " x 27 ^{3/32} " (70x273x21mm)	2 ^{3/4} " x 10 ^{3/4} " x 27 ^{3/32} " (70x273x21mm)	2 ^{3/4} " x 10 ^{3/4} " x 27 ^{3/32} " (70x273x21mm)	2 ^{3/4} " x 10 ^{3/4} " x 27 ^{3/32} " (70x273x21mm)
Pull center to center	—	—	—	—
Projection	2 ^{7/8} " (73mm)	2 ^{7/8} " (73mm)	2 ^{7/8} " (73mm)	2 ^{7/8} " (73mm)
ANSI function	08	03	14	02
Cylinder type	Rim	Rim	—	—
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
Optional #425 SNB quantity for device	2	2	2	2

* Electrified lever operation available

Notes

9857-F/9957-F Three-point latching fire exit device



9857-F/9957-F Fire exit three-point latching device for all types of single doors up to 4' x 8' (1219mm x 2438mm) or up to 8' x 8' (2438mm x 2438mm) double doors with 9954 or 9854 mullion, UL listed for fire exit hardware. See page 76 for detailed information on UL listed fire exit hardware label and door opening size information. Devices are ANSI A156.3 – 2008 Grade 1. The 9857-F device has a smooth mechanism case and the 9957-F device has a grooved case. The three-point latch device is non-handed except when the following device option is used: SS (signal switch). See opposite page for available outside trim and device functions. Vertical rod and latch guards are available to protect the bottom rod of the exit device from damage by impacts of carts or gurneys passing through doors.

Finishes – US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.



Specifications

Device functions	Device ships EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw from device.
Device lengths	3' 2'4" to 3' (711mm to 914 mm) Door size 4' 2'10" to 4' (864 mm to 1219 mm) Door size
Device centerline from finished floor	39 ¹³ / ₁₆ " (1011 mm)
Center case dimensions	8" x 2 ³ / ₄ " x 2 ³ / ₈ " (203mm x 70mm x 60mm)
Mechanism case dimensions	2 ¹ / ₄ " x 2 ¹ / ₄ " (57mm x 57mm)
Projection	Pushbar neutral – 3 ¹³ / ₁₆ " (97 mm) Pushbar depressed – 3 ¹ / ₁₆ " (78 mm)
Latch bolt	Deadlocking anti-friction top & bottom bolt, ⁵ / ₈ " (16mm) throw Deadlocking rim bolt, ³ / ₄ " (19mm) throw
Door undercut	¹ / ₄ " (7mm) recommended
Top & bottom Latch case	4 ¹ / ₂ " x 2 ¹ / ₈ " x 1 ¹ / ₂ " (114mm x 54mm x 38mm)
Vertical rods	¹ / ₂ " square tubing, standard rods accommodate 7' (2134mm) doors. Top rod length: 34 ¹⁵ / ₁₆ " (887mm); Bottom rod length: 31 ¹ / ₂ " (794mm) Extension rods available in 1' (205mm) or 3' (914mm) for doors over 7'. One piece top rod is available for 8' (2438mm) and 10' (3048mm) doors.
Fasteners & sex bolts (SNB)	Includes screw pack for 1 ³ / ₄ " (44mm) and 2 ¹ / ₄ " (57mm) thick metal or wood doors, and 325 SNB for top and bottom latch. Optional 425 SNB available for metal doors. 425 SNB required on wood doors without SLM blocking.
Electric options	LX Latchbolt monitor switch RX Pushpad monitor switch RX2 Double pushpad monitor switch E Electric unlocking and locking trim EL Electric latch retraction QEL Quiet electric latch retraction SS Signal switch CX Chexit delayed exit ALK Alarm exit kit WP-RX Waterproof request to exit CON Allegion Connect
Mechanical options	GBK Glass bead kit PN Pneumatic latch retraction SNB Sex bolts SEC Security screws SLM Special laminate material blocking
Dogging option	No mechanical dogging. EL and QEL option available
Strikes	Top & middle – 299 - Dull black Bottom – 304L - Unfinished

PN
Pneumatic latch retraction
• For areas where electrical devices banned
• Special linkage for mechanical or pneumatic dogging

RG
Rod guard
• Protection from carts/gurneys
• Eases wheelchair access

EL
Electric latch retraction
• Enables remote unlatching
• Alternative to manual dogging

QEL
Quiet electric latch retraction
• Bolt retraction via switch
• Converts exit door to push-pull operation

E (E996L)
Electrified breakaway lever
• Electrified remote locking/unlocking
• Standard in fail safe condition

LX
Latchbolt monitor switch
• Signals use of an opening
• SPDT switch to monitor latch bolt






RX
Pushpad monitor switch
• Signals use of an opening
• SPDT switch to monitor pushpad





CX
Chexit delayed exit
• Meets NFPA 101 requirements
• Self-contained controls, locking, alarm

ALK
Alarm exit kit
• Unauthorized opening triggers 85-decibel horn
• Set in armed or disarmed mode by key

CON
Allegion Connectors
• Common connectors to connect various door hardware all the way to the power supply

Standard trim

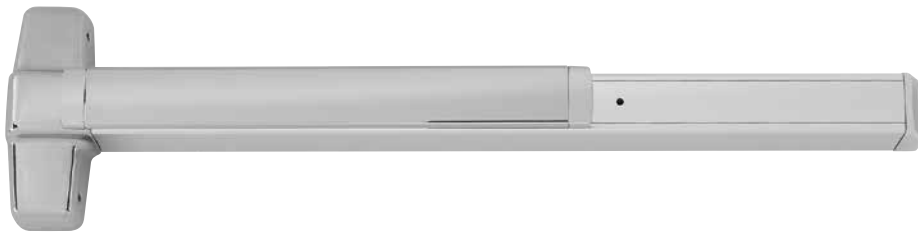
	EO	DT 	NL 	NL-OP 	TL 	TL-BE 
	No outside trim Exit only	Dummy trim Pull when dogged (not recommended for fire device)	Night latch Key retracts latchbolt	Night latch Key retracts latchbolt optional pull required	Thumbturn Key locks & unlocks (use with DT trim)	Thumbturn Blank escutcheon always operable (no cylinder) (use with DT trim)
Product description	9857EO-F 9957EO-F	9857DT-F 9957DT-F	9857NL-F 9957NL-F	9857NL-OP-F 9957NL-OP-F	9857TL-F 9957TL-F	9857TL-BE-F 9957TL-BE-F
Trim description	—	990DT	990NL-R/V	110NL-MD 110NL-WD	374T X 990DT	374T-BE X 990DT
Escutcheon plate size	—	3" x 14 ^{13/16} " x 3 ^{3/32} " (76x360x2mm)	3" x 14 ^{13/16} " x 3 ^{3/32} " (76x360x2mm)	—	2 ^{3/4} " x 10 ^{3/4} " x 27 ^{3/32} " (70x273x21mm)	2 ^{3/4} " x 10 ^{3/4} " x 27 ^{3/32} " (70x273x21mm)
Pull center to center	—	5 ^{1/2} " (140mm)	5 ^{1/2} " (140mm)	—	—	—
Projection	—	2" (51mm)	2" (51mm)	—	2" (51mm)	2" (51mm)
ANSI function	01	02	03	03	11 or 12	16
Cylinder type	—	—	Rim	Rim	1 ^{1/4} " Mortise	—
Handing	—	—	—	—	—	—
Optional trim	x990EO x996EO	x996K-DT x996L-DT x696DT x697DT	x996K-NL x996L-NL x696NL x697NL			
#425 SNB optional - HMD req. WD w/o SLM pkg.	6	2	2	6	2	2
#425 SNB req. w/ 499F	2	2	2	2		

	L 	L-NL 	L-BE 	L-DT 
	Lever Key locks & unlocks	Lever – night latch Key retracts latchbolt	Lever – blank escutcheon Always operable (no cylinder)	Lever dummy trim pull when dogged
Product description	9857L-F 9957L-F	9857L-NL-F 9957L-NL-F	9857L-BE-F 9957L-BE-F	— —
Trim description	996L-R/V*	996L-NL-R/V	996L-BE-R/V*	996L-DT
Escutcheon plate size	2 ^{3/4} " x 10 ^{3/4} " x 27 ^{3/32} " (70x273x21mm)	2 ^{3/4} " x 10 ^{3/4} " x 27 ^{3/32} " (70x273x21mm)	2 ^{3/4} " x 10 ^{3/4} " x 27 ^{3/32} " (70x273x21mm)	2 ^{3/4} " x 10 ^{3/4} " x 27 ^{3/32} " (70x273x21mm)
Pull center to center	—	—	—	—
Projection	2 ^{7/8} " (73mm)	2 ^{7/8} " (73mm)	2 ^{7/8} " (73mm)	2 ^{7/8} " (73mm)
ANSI function	08	03	14	02
Cylinder type	Rim	Rim	—	—
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
#425 SNB optional - HMD req. WD w/o SLM pkg.	2	2	2	2
#425 SNB req. w/ 499F	2	2	2	2

* Electrified lever operation available

Notes

9847/9947 Concealed vertical rod device



9847/9947 Concealed vertical rod device for use on single or double metal doors, UL listed for panic exit hardware. Devices are ANSI A156.3 – 2008 Grade 1. The 9847 device has a smooth mechanism case and the 9947 device has a grooved case. The concealed vertical rod device is non-handed except when the following device options are used: SD (special dogging), or SS (signal switch). See opposite page for available outside trim and device functions.

Finishes – US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.



Hex key dogging comes standard on 9847/9947 Concealed vertical rod devices

Specifications

Device functions	Device ships EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw from device.	
Device lengths	2'	2' (610 mm) Door size
	3'	2'4" to 3' (711mm to 914 mm) Door size
	4'	2'10" to 4' (864 mm to 1219 mm) Door size
Device centerline from finished floor	39 ⁵ / ₈ " (1006 mm) Standard Adjustable from 35 ⁵ / ₈ " (905mm) to 49 ⁵ / ₈ " (1260mm)	
Center case dimensions	8" x 2 ³ / ₄ " x 2 ³ / ₈ " (203mm x 70mm x 60mm)	
Mechanism case dimensions	2 ¹ / ₄ " x 2 ¹ / ₄ " (57mm x 57mm)	
Projection	Pushbar neutral – 3 ¹³ / ₁₆ " (97 mm) Pushbar depressed – 3 ¹ / ₁₆ " (78 mm)	
Latch bolt	Deadlocking top & bottom bolt, 5 ⁵ / ₈ " (16mm) throw	
Door undercut	1 ¹ / ₄ " (7mm) recommended	
Top & bottom Latch case	4 ¹ / ₂ " x 2 ¹ / ₈ " x 1 ¹ / ₂ " (114mm x 54mm x 38mm)	
Vertical rods	Round 2-piece adjustable rods – Top rod adjustable from 6'8" (2027mm) to 8'4" (2533mm). Bottom rod adjustable 35 ⁵ / ₈ " (905 mm) to 49 ⁵ / ₈ " (1260 mm). Extension rod kits available for doors over 8'4" (2533mm).	
Fasteners & sex bolts (SNB)	Includes screw pack for 1 ³ / ₄ " (44mm) to 2 ¹ / ₄ " (57mm) thick metal doors. Optional 425 SNB available.	
Electric options	LX	Latchbolt monitor switch
	RX	Pushpad monitor switch
	RX2	Double pushpad monitor switch
	E	Electric unlocking and locking trim
	EL	Electric latch retraction
	QEL	Quiet electric latch retraction
	SS	Signal switch
	CX	Chexit delayed exit
	ALK	Alarm exit kit
	WP-RX	Waterproof request to exit
	CON	Allegion Connect
Mechanical options	GBK	Glass bead kit
	PN	Pneumatic latch retraction
	LBR	Less bottom rod
	PL	Pullman latch
	SNB	Sex bolts
	SEC	Security screws
Dogging feature	Hex key dogging standard	
Dogging option	CD	Cylinder dogging
	SD	Special center case dogging
	LD	Less dogging
	DI	Dogging indicator
	CI	Cylinder dogging indicator
Strikes	Top – 338 - Unfinished, Bottom – 385A - Unfinished	

QEL
Quiet electric latch retraction

- Bolt retraction via switch
- Converts exit door to push-pull operation

RX
Pushpad monitor switch

- Signals use of an opening
- SPDT switch to monitor pushpad

CX
Chexit delayed exit

- Meets NFPA 101 requirements
- Self-contained controls, locking, alarm

CON
Allegion Connectors

- Common connectors to connect various door hardware all the way to the power supply

EL
Electric latch retraction

- Enables remote unlatching
- Alternative to manual dogging

ALK
Alarm exit kit

- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key

E (E996L)
Electrified breakaway lever

- Electrified remote locking/unlocking
- Standard in fail safe condition

LX
Latchbolt monitor switch

- Signals use of an opening
- SPDT switch to monitor latch bolt






PN
Pneumatic latch retraction





- For areas where electrical devices banned
- Special linkage for mechanical or pneumatic dogging

DI
Dogging indicator

- Monitor dogging status without a control panel
- Red indicator light shows visibility to dogging from over 75 feet

Standard trim

	EO	DT 	NL 	NL-OP 	TL 	TL-BE 
	No outside trim Exit only	Dummy trim Pull when dogged (not recommended for fire device)	Night latch Key retracts latchbolt	Night latch Key retracts latchbolt optional pull required	Thumbturn Key locks & unlocks (use with DT trim)	Thumbturn Blank escutcheon always operable (no cylinder) (use with DT trim)
Product description	9847EO 9947EO	9847DT 9947DT	9847NL 9947NL	9847NL-OP 9947NL-OP	9847TL 9947TL	9847TL-BE 9947TL-BE
Trim description	—	990DT	990NL-R/V	110NL-MD	376T X 990DT	374T-BE X 990DT
Escutcheon plate size	—	3" x 14 ^{13/16} " x 3 ^{3/32} " (76x360x2mm)	3" x 14 ^{13/16} " x 3 ^{3/32} " (76x360x2mm)	—	2 ^{3/4} " x 10 ^{3/4} " x 27 ^{3/32} " (70x273x21mm)	2 ^{3/4} " x 10 ^{3/4} " x 27 ^{3/32} " (70x273x21mm)
Pull center to center	—	5 ^{1/2} " (140mm)	5 ^{1/2} " (140mm)	—	—	—
Projection	—	2" (51mm)	2" (51mm)	—	2" (51mm)	2" (51mm)
ANSI function	01	02	03	03	11 or 12	16
Cylinder type	—	—	Rim	Rim	1 ^{1/4} " Mortise	—
Handing	—	—	—	—	—	—
Optional trim	x990EO x996EO	x996K-DT x996L-DT x696DT x697DT	x996K-NL x996L-NL x696NL x697NL			
Optional #425 SNB quantity for device	6	2	2	6	2	2

	L 	L-NL 	L-BE 	L-DT 
	Lever Key locks & unlocks	Lever – night latch Key retracts latchbolt	Lever – blank escutcheon Always operable (no cylinder)	Lever dummy trim pull when dogged
Product description	9847L 9947LF	9847L-NL 9947L-NL	9847L-BE 9947L-BE	9847L-DT 9947L-DT
Trim description	996L-R/V*	996L-NL-R/V	996L-BE-R/V*	996L-DT
Escutcheon plate size	2 ^{3/4} " x 10 ^{3/4} " x 27 ^{3/32} " (70x273x21mm)	2 ^{3/4} " x 10 ^{3/4} " x 27 ^{3/32} " (70x273x21mm)	2 ^{3/4} " x 10 ^{3/4} " x 27 ^{3/32} " (70x273x21mm)	2 ^{3/4} " x 10 ^{3/4} " x 27 ^{3/32} " (70x273x21mm)
Pull center to center	—	—	—	—
Projection	2 ^{7/8} " (73mm)	2 ^{7/8} " (73mm)	2 ^{7/8} " (73mm)	2 ^{7/8} " (73mm)
ANSI function	08	03	14	02
Cylinder type	Rim	Rim	—	—
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
Optional #425 SNB quantity for device	2	2	2	2

* Electrified lever operation available

Notes

9847-F/9947-F Concealed vertical rod fire exit device



9847-F/9947-F Fire exit concealed vertical rod device for use on pairs of doors up to 8' x 10' (2438mm x 3048mm), UL listed for fire exit hardware. See page 76 for detailed information on UL listed fire exit hardware label and door opening size information. Devices are ANSI A156.3 – 2008 Grade 1. The 9847-F device has a smooth mechanism case and the 9947-F device has a grooved case. The concealed vertical rod device is non-handed except when the following device option is used: SS (signal switch) devices. See opposite page for available outside trim and functions.

Finishes – US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.

Specifications

Device functions	Device ships EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw from device.
Device lengths	2' 2' (610 mm) Door size 3' 2'4" to 3' (711mm to 914 mm) Door size 4' 2'10" to 4' (864 mm to 1219 mm) Door size
Device centerline from finished floor	39 ⁵ / ₈ " (1006 mm) Standard Adjustable from 35 ⁵ / ₈ " (905mm) to 49 ⁵ / ₈ " (1260mm)
Center case dimensions	8" x 2 ³ / ₄ " x 2 ³ / ₈ " (203mm x 70mm x 60mm)
Mechanism case dimensions	2 ¹ / ₄ " x 2 ¹ / ₄ " (57mm x 57mm)
Projection	Pushbar neutral – 3 ¹³ / ₁₆ " (97 mm) Pushbar depressed – 3 ¹ / ₁₆ " (78 mm)
Latch bolt	Deadlocking top & bottom bolt, ⁵ / ₈ " (16mm) throw
Door undercut	¹ / ₄ " (7mm) recommended
Top & bottom Latch case	3 ³ / ₄ " x 1 ¹ / ₂ " x 1" (95mm x 38mm x 25mm)
Vertical rods	Round 2-piece adjustable rods – Top rod adjustable from 6'8" (2027mm) to 8'4" (2533mm). Bottom rod adjustable 35 ⁵ / ₈ " (905 mm) to 49 ⁵ / ₈ " (1260 mm). Extension rod kits available for doors over 8'4" (2533mm).
Fasteners & sex bolts (SNB)	Includes screw pack for 1 ³ / ₄ " (44mm) to 2 ¹ / ₄ " (57mm) thick metal doors. Optional 425 SNB available.
Electric options	LX Latchbolt monitor switch RX Pushpad monitor switch RX2 Double pushpad monitor switch E Electric unlocking and locking trim EL Electric latch retraction QEL Quiet electric latch retraction SS Signal switch CX Chexit delayed exit ALK Alarm exit kit WP-RX Waterproof request to exit CON Allegion Connect
Mechanical options	LBR Less bottom rod PN Pneumatic latch retraction GBK Glass bead kit SNB Sex bolts SEC Security screws SLM Special laminate material blocking
Dogging option	No mechanical dogging. EL and QEL option available
Strikes	Top – 338 - Unfinished, Bottom – 385A - Unfinished

PN
Pneumatic latch retraction

- For areas where electrical devices banned
- Special linkage for mechanical or pneumatic dogging

RG
Rod guard

- Protection from carts/gurneys
- Eases wheelchair access

EL
Electric latch retraction

- Enables remote unlatching
- Alternative to manual dogging

QEL
Quiet electric latch retraction

- Bolt retraction via switch
- Converts exit door to push-pull operation

E (E996L)
Electrified breakaway lever

- Electrified remote locking/unlocking
- Standard in fail safe condition

LX
Latchbolt monitor switch

- Signals use of an opening
- SPDT switch to monitor latch bolt

RX
Pushpad monitor switch

- Signals use of an opening
- SPDT switch to monitor pushpad

CX
Chexit delayed exit

- Meets NFPA 101 requirements
- Self-contained controls, locking, alarm





ALK
Alarm exit kit





- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key

CON
Allegion Connectors

- Common connectors to connect various door hardware all the way to the power supply

Standard trim

	EO	DT 	NL 	NL-OP	TL 	TL-BE 
	No outside trim Exit only	Dummy trim Pull when dogged (not recommended for fire device)	Night latch Key retracts latchbolt	Night latch Key retracts latchbolt optional pull required	Thumbturn Key locks & unlocks (use with DT trim)	Thumbturn Blank escutcheon always operable (no cylinder) (use with DT trim)
Product description	9847EO-F 9947EO-F	—	9847NL-F 9947NL-F	9847NL-OP-F 9947NL-OP-F	9847TL-F 9947TL-F	9847TL-BE-F 9947TL-BE-F
Trim description	—	990DT	990NL-R/V	110NL-MD	376T X 990DT	376T-BE X 990DT
Escutcheon plate size	—	3" x 14 ^{13/16} " x 3 ^{3/32} " (76x360x2mm)	3" x 14 ^{13/16} " x 3 ^{3/32} " (76x360x2mm)	—	2 ^{3/4} " x 10 ^{3/4} " x 27 ^{3/32} " (70x273x21mm)	2 ^{3/4} " x 10 ^{3/4} " x 27 ^{3/32} " (70x273x21mm)
Pull center to center	—	5 ^{1/2} " (140mm)	5 ^{1/2} " (140mm)	—	—	—
Projection	—	2" (51mm)	2" (51mm)	—	2" (51mm)	2" (51mm)
ANSI function	01	02	03	03	11 or 12	16
Cylinder type	—	—	Rim	Rim	1 ^{1/4} " Mortise	—
Handing	—	—	—	—	—	—
Optional trim	x990EO x996EO	x996K-DT x996L-DT x696DT x697DT	x996K-NL x996L-NL x696NL x697NL			
#425 SNB optional - HMD req. WD w/o SLM pkg.	6	2	2	6	2	2

	L 	L-NL 	L-BE 	L-DT 
	Lever Key locks & unlocks	Lever – night latch Key retracts latchbolt	Lever – blank escutcheon Always operable (no cylinder)	Lever dummy trim pull when dogged
Product description	9847L-F 9947L-F	9847L-NL-F 9947L-NL-F	9847L-BE-F 9947L-BE-F	—
Trim description	996L-R/V*	996L-NL-R/V	996L-BE-R/V*	996L-DT
Escutcheon plate size	2 ^{3/4} " x 10 ^{3/4} " x 27 ^{3/32} " (70x273x21mm)	2 ^{3/4} " x 10 ^{3/4} " x 27 ^{3/32} " (70x273x21mm)	2 ^{3/4} " x 10 ^{3/4} " x 27 ^{3/32} " (70x273x21mm)	2 ^{3/4} " x 10 ^{3/4} " x 27 ^{3/32} " (70x273x21mm)
Pull center to center	—	—	—	—
Projection	2 ^{7/8} " (73mm)	2 ^{7/8} " (73mm)	2 ^{7/8} " (73mm)	2 ^{7/8} " (73mm)
ANSI function	08	03	14	02
Cylinder type	Rim	Rim	—	—
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
#425 SNB optional - HMD req. WD w/o SLM pkg.	2	2	2	2

* Electrified lever operation available

Notes

9848/9948 Concealed vertical rod device



9848/9948 Concealed vertical rod device for use on single or double metal doors, UL listed for panic exit hardware. Covers stock hollow metal doors with 86 or 161 cutouts. Devices are ANSI A156.3 – 2008 Grade 1. The 9848 device has a smooth mechanism case and the 9948 device has a grooved case. The concealed vertical rod device is non-handed except when the following device options are used:SD (special dogging), or SS (signal switch). See opposite page for available outside trim and functions.

Finishes – US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.



Hex key dogging comes standard on 9848/9948 Concealed vertical rod devices

Specifications

Device functions	Device ships EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw from device.	
Device lengths	2'	2' (610 mm) Door size
	3'	2'4" to 3' (711mm to 914 mm) Door size
	4'	2'10" to 4' (864 mm to 1219 mm) Door size
Device centerline from finished floor	39 ⁵ / ₈ " (1006 mm) Standard Adjustable from 35 ⁵ / ₈ " (905mm) to 49 ⁵ / ₈ " (1260mm)	
Center case dimensions	8" x 2 ³ / ₄ " x 2 ³ / ₈ " (203mm x 70mm x 60mm)	
Mechanism case dimensions	2 ¹ / ₄ " x 2 ¹ / ₄ " (57mm x 57mm)	
Projection	Pushbar neutral – 3 ¹³ / ₁₆ " (97 mm) Pushbar depressed – 3 ¹ / ₈ " (78 mm)	
Latch bolt	Deadlocking top bolt, 3/4" (19mm) throw Deadlocking bottom bolt, 1 1/2" (38mm) throw	
Door undercut	3/4" (19mm) maximum, more than 1/4" minimum	
Top & bottom Latch case	4 1/4" x 1 1/2" x 1 1/8" (107mm x 38mm x 28mm)	
Vertical rods	Round 2-piece adjustable rods – Top rod adjustable from 6'8" (2027mm) to 8'4" (2533mm). Bottom rod adjustable 35 ⁵ / ₈ " (905 mm) to 49 ⁵ / ₈ " (1260 mm). Extension rod kits available for doors over 8'4" (2533mm).	
Fasteners & sex bolts (SNB)	Includes screw pack for 1 3/4" (44mm) to 2 1/4" (57mm) thick metal doors. Optional 425 SNB available.	
Electric options	LX	Latchbolt monitor switch
	RX	Pushpad monitor switch
	RX2	Double pushpad monitor switch
	E	Electric unlocking and locking trim
	EL	Electric latch retraction
	QEL	Quiet electric latch retraction
	SS	Signal switch
	CX	Chexit delayed exit
	ALK	Alarm exit kit
	WP-RX	Waterproof request to exit
	CON	Allegation Connect
Mechanical options	GBK	Glass bead kit
	PN	Pneumatic latch retraction
	SNB	Sex bolts
	SEC	Security screws
Dogging feature	Hex key dogging standard	
Dogging option	CD	Cylinder dogging
	SD	Special center case dogging
	LD	Less dogging
	DI	Dogging indicator
	CI	Cylinder dogging indicator
Strikes	Top – 338 - Unfinished, Bottom – 385A - Unfinished	

CX
Chexit delayed exit
• Meets NFPA 101 requirements
• Self-contained controls, locking, alarm

ALK
Alarm exit kit
• Unauthorized opening triggers 85-decibel horn
• Set in armed or disarmed mode by key

EL
Electric latch retraction
• Enables remote unlatching
• Alternative to manual dogging

SS
Signal switch
• Signals unauthorized use of an opening
• Switch makes latch bolt tamper-resistant

QEL
Quiet electric latch retraction
• Bolt retraction via switch
• Converts exit door to push-pull operation

LX
Latchbolt monitor switch
• Signals use of an opening
• SPDT switch to monitor latch bolt







E (E996L)
Electrified breakaway lever
• Electrified remote locking/unlocking
• Standard in fail safe condition



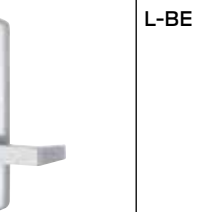

SG
Safety glow
• Shows exit door location in darkness or smoke
• Developed to meet MEA standards

PN
Pneumatic latch retraction
• For areas where electrical devices banned
• Special linkage for mechanical or pneumatic dogging

CON
Allegation Connectors
• Common connectors to connect various door hardware all the way to the power supply

Standard trim

	EO  No outside trim Exit only	DT  Dummy trim Pull when dogged	NL  Night latch Key retracts latchbolt	NL-OP  Night latch Key retracts latchbolt optional pull required	TL  Thumbturn Key locks & unlocks (use with DT trim)	TL-BE  Thumbturn Blank escutcheon always operable (no cylinder) (use with DT trim)
Product description	9848EO 9948EO	9848DT 9948DT	9848NL 9948NL	9848NL-OP 9948NL-OP	9848TL 9948TL	9848TL-BE 9948TL-BE
Trim description	—	990DT	990NL-R/V	110NL-MD	376T X 990DT	376T-BE X 990DT
Escutcheon plate size	—	3" x 14 ^{13/16"} x 3 ^{3/32"} (76x360x2mm)	3" x 14 ^{13/16"} x 3 ^{3/32"} (76x360x2mm)	—	2 ^{3/4"} x 10 ^{3/4"} x 27 ^{3/32"} (70x273x21mm)	2 ^{3/4"} x 10 ^{3/4"} x 27 ^{3/32"} (70x273x21mm)
Pull center to center	—	5 ^{1/2"} (140mm)	5 ^{1/2"} (140mm)	—	—	—
Projection	—	2" (51mm)	2" (51mm)	—	3 ^{1/4"} (83mm)	3 ^{1/4"} (83mm)
ANSI function	01	02	03	03	11	—
Cylinder type	—	—	Rim	Rim	1 ^{1/4"} Mortise	—
Handing	—	—	—	—	—	—
Optional trim	x990EO x996EO	x996K-DT x996L-DT x696DT x697DT	x996K-NL x996L-NL x696NL x697NL			
Optional #425 SNB quantity for device	6	2	2	6	2	2

	L  Lever Key locks & unlocks	L-NL  Lever – night latch Key retracts latchbolt	L-BE  Lever – blank escutcheon Always operable (no cylinder)	L-DT  Lever dummy trim pull when dogged
Product description	9848L 9948LF	9848L-NL 9948L-NL	9848L-BE 9948L-BE	9848L-DT 9948L-DT
Trim description	996L-R/V*	996L-NL-R/V	996L-BE-R/V*	996L-DT
Escutcheon plate size	2 ^{3/4"} x 10 ^{3/4"} x 27 ^{3/32"} (70x273x21mm)	2 ^{3/4"} x 10 ^{3/4"} x 27 ^{3/32"} (70x273x21mm)	2 ^{3/4"} x 10 ^{3/4"} x 27 ^{3/32"} (70x273x21mm)	2 ^{3/4"} x 10 ^{3/4"} x 27 ^{3/32"} (70x273x21mm)
Pull center to center	—	—	—	—
Projection	2 ^{7/8"} (73mm)	2 ^{7/8"} (73mm)	2 ^{7/8"} (73mm)	2 ^{7/8"} (73mm)
ANSI function	08	03	14	02
Cylinder type	Rim	Rim	—	—
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
Optional #425 SNB quantity for device	2	2	2	2

* Electrified lever operation available

Notes

🔥 9848-F/9948-F Concealed vertical rod fire exit device



9848-F/9948-F Concealed vertical rod device for use on pairs of doors up to 8' x 10' (2438mm x 3048mm), UL listed for fire exit hardware. See page 76 for detailed information on UL listed fire exit hardware label and door opening size information. Devices are ANSI A156.3 – 2008 Grade 1. The 9848-F device has a smooth mechanism case and the 9948-F device has a grooved case. The concealed vertical rod device is non-handed except when the following device option is used: SS (signal switch). See opposite page for available outside trim and functions.

Finishes – US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.

Specifications

Device functions	Device ships EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw from device.	
Device lengths	2'	2' (610 mm) Door size
	3'	2'4" to 3' (711mm to 914 mm) Door size
	4'	2'10" to 4' (864 mm to 1219 mm) Door size
Device centerline from finished floor	39 ⁵ / ₈ " (1006 mm) Standard Adjustable from 35 ⁵ / ₈ " (905mm) to 49 ⁵ / ₈ " (1260mm)	
Center case dimensions	8" x 2 ³ / ₄ " x 2 ³ / ₈ " (203mm x 70mm x 60mm)	
Mechanism case dimensions	2 ¹ / ₄ " x 2 ¹ / ₄ " (57mm x 57mm)	
Projection	Pushbar neutral – 3 ¹³ / ₁₆ " (97 mm) Pushbar depressed – 3 ¹ / ₁₆ " (78 mm)	
Latch bolt	Deadlocking top bolt, 3/4" (19mm) throw Deadlocking bottom bolt, 1 ¹ / ₂ " (38mm) throw	
Door undercut	3/4" (19mm) maximum, more than 1/4" minimum	
Top & bottom Latch case	4 ¹ / ₄ " x 1 ¹ / ₂ " x 1 ¹ / ₈ " (107mm x 38mm x 28mm)	
Vertical rods	Round 2-piece adjustable rods – Top rod adjustable from 6'8" (2027mm) to 8'4" (2533mm). Bottom rod adjustable 35 ⁵ / ₈ " (905 mm) to 49 ⁵ / ₈ " (1260 mm). Extension rod kits available for doors over 8'4" (2533mm).	
Fasteners & sex bolts (SNB)	Includes screw pack for 1 ³ / ₄ " (44mm) to 2 ¹ / ₄ " (57mm) thick metal doors. Optional 425 SNB available.	
Electric options	LX	Latchbolt monitor switch
	RX	Pushpad monitor switch
	RX2	Double pushpad monitor switch
	E	Electric unlocking and locking trim
	EL	Electric latch retraction
	QEL	Quiet electric latch retraction
	SS	Signal switch
	CX	Chexit delayed exit
	ALK	Alarm exit kit
	WP-RX	Waterproof request to exit
	CON	Allegion Connect
Mechanical options	GBK	Glass bead kit
	PN	Pneumatic latch retraction
	SNB	Sex bolts
	SEC	Security screws
	SLM	Special laminate material blocking
Dogging option	No mechanical dogging. EL and QEL option available	
Strikes	Top – 338 - Unfinished, Bottom – 385A - Unfinished	

CX
Chexit delayed exit
• Meets NFPA 101 requirements
• Self-contained controls, locking, alarm

ALK
Alarm exit kit
• Unauthorized opening triggers 85-decibel horn
• Set in armed or disarmed mode by key

EL
Electric latch retraction
• Enables remote unlatching
• Alternative to manual dogging

SS
Signal switch
• Signals unauthorized use of an opening
• Switch makes latch bolt tamper-resistant

QEL
Quiet electric latch retraction
• Bolt retraction via switch
• Converts exit door to push-pull operation

LX
Latchbolt monitor switch
• Signals use of an opening
• SPDT switch to monitor latch bolt





E (E996L)
Electrified breakaway lever
• Electrified remote locking/unlocking
• Standard in fail safe condition





RX
Pushpad monitor switch
• Signals use of an opening
• SPDT switch to monitor pushpad

PN
Pneumatic latch retraction
• For areas where electrical devices banned
• Special linkage for mechanical or pneumatic dogging

CON
Allegion Connectors
• Common connectors to connect various door hardware all the way to the power supply

Standard trim

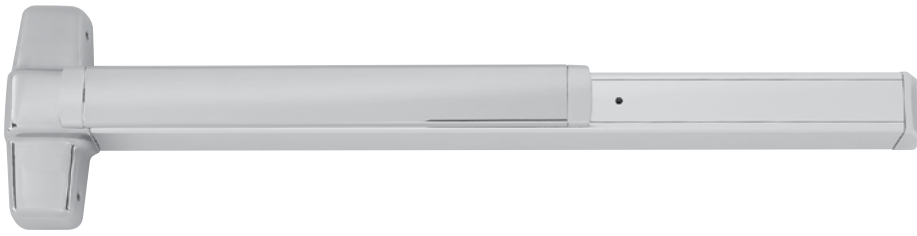
	EO	DT 	NL 	NL-OP	TL 	TL-BE 
	No outside trim Exit only	Dummy trim Pull when dogged (not recommended for fire device)	Night latch Key retracts latchbolt	Night latch Key retracts latchbolt optional pull required	Thumbturn Key locks & unlocks (use with DT trim)	Thumbturn Blank escutcheon always operable (no cylinder) (use with DT trim)
Product description	9848EO-F 9948EO-F	— —	9848NL-F 9948NL-F	9848NL-OP-F 9948NL-OP-F	9848TL-F 9948TL-F	9848TL-BE-F 9948TL-BE-F
Trim description	—	990DT	990NL-R/V	110NL-MD	376T X 990DT	376T-BE X 990DT
Escutcheon plate size	—	3" x 14 ^{13/16} " x 3 ^{3/32} " (76x360x2mm)	3" x 14 ^{13/16} " x 3 ^{3/32} " (76x360x2mm)	—	2 ^{3/4} " x 10 ^{3/4} " x 27 ^{3/32} " (70x273x21mm)	2 ^{3/4} " x 10 ^{3/4} " x 27 ^{3/32} " (70x273x21mm)
Pull center to center	—	5 ^{1/2} " (140mm)	5 ^{1/2} " (140mm)	—	—	—
Projection	—	2" (51mm)	2" (51mm)	—	3 ^{1/4} " (83mm)	3 ^{1/4} " (83mm)
ANSI function	01	02	03	03	11	—
Cylinder type	—	—	Rim	Rim	1 ^{1/4} " Mortise	—
Handing	—	—	—	—	—	—
Optional trim	x990EO x996EO	x996K-DT x996L-DT x696DT x697DT	x996K-NL x996L-NL x696NL x697NL			
#425 SNB optional - HMD req. WD w/o SLM pkg.	6	2	2	6	2	2

	L 	L-NL 	L-BE 	L-DT 
	Lever Key locks & unlocks	Lever – night latch Key retracts latchbolt	Lever – blank escutcheon Always operable (no cylinder)	Lever dummy trim pull when dogged (not recommended for fire device)
Product description	9848L-F 9948L-F	9848L-NL-F 9948L-NL-F	9848L-BE-F 9948L-BE-F	— —
Trim description	996L-R/V*	996L-NL-R/V	996L-BE-R/V*	996L-DT
Escutcheon plate size	2 ^{3/4} " x 10 ^{3/4} " x 27 ^{3/32} " (70x273x21mm)	2 ^{3/4} " x 10 ^{3/4} " x 27 ^{3/32} " (70x273x21mm)	2 ^{3/4} " x 10 ^{3/4} " x 27 ^{3/32} " (70x273x21mm)	2 ^{3/4} " x 10 ^{3/4} " x 27 ^{3/32} " (70x273x21mm)
Pull center to center	—	—	—	—
Projection	2 ^{7/8} " (73mm)	2 ^{7/8} " (73mm)	2 ^{7/8} " (73mm)	2 ^{7/8} " (73mm)
ANSI function	08	03	14	02
Cylinder type	Rim	Rim	—	—
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
#425 SNB optional - HMD req. WD w/o SLM pkg.	2	2	2	2

* Electrified lever operation available

Notes

9849/9949 Concealed vertical cable device



9849/9949 Concealed vertical cable device for use on single or double metal doors, UL listed for panic exit hardware. Devices are ANSI A156.3 – 2008 Grade 1. The 9849 device has a smooth mechanism case and the 9949 device has a grooved case. The concealed vertical cable device is non-handed except when the following device options are used: SD (special dogging), or SS (signal switch). See opposite page for available outside trim and device functions.

Finishes – US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.



Hex key dogging comes standard on 9849/9949 concealed vertical cable devices

Specifications

Device functions	Device ships EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw from device.
Device lengths	2' 2' (610 mm) Door size 3' 2'4" to 3' (711mm to 914 mm) Door size 4' 2'10" to 4' (864 mm to 1219 mm) Door size
Device centerline from finished floor	39 ⁵ / ₈ " (1006 mm)
Center case dimensions	8" x 2 ³ / ₄ " x 2 ³ / ₈ " (203mm x 70mm x 60mm)
Mechanism case dimensions	2 ¹ / ₄ " x 2 ¹ / ₄ " (57mm x 57mm)
Projection	Pushbar neutral – 3 ¹³ / ₁₆ " (97 mm) Pushbar depressed – 3 ¹ / ₁₆ " (78 mm)
Latch bolt	Deadlocking top & bottom bolt, 1/2" (13mm) throw
Door undercut	3/4" (19mm) maximum (24231516 spacer block kit needed for 3/4" undercut)
Top & bottom latch case	5 ¹³ / ₁₆ " x 1 ¹ / ₄ " x 1 ⁷ / ₁₆ " (147mm x 32mm x 37mm)
Vertical cable	7/32" (6mm) Diameter stainless steel cables
Fasteners & sex bolts (SNB)	Includes screw pack for 1 ³ / ₄ " (44mm) to 2 ¹ / ₄ " (57mm) thick metal doors. Optional 425 SNB available.
Electric options	ALK Alarm exit kit CX Chexit delayed exit E Electric unlocking and locking trim EL Electric latch retraction HD-EL Electric latch retraction w/ hex dogging QEL Quiet electric latch retraction *LX Latchbolt monitor switch RX2 Double pushpad monitor switch RX996L Trim monitor switch RX Pushpad monitor switch RXLC Pushpad monitor switch - low current SS Signal switch WP-RX Waterproof request to exit CON Allegion Connect
Mechanical options	GBK Glass bead kit LBL Less bottom latch AX Accessible device (LBL only) PN Pneumatic latch retraction SEC Security screws SG Safety glow SNB Sex bolts
Dogging feature Dogging option	Hex key dogging standard CD Cylinder dogging SD Special center case dogging LD Less dogging DI Dogging indicator CI Cylinder dogging indicator
Strikes	Top - 249 – Unfinished, Bottom – 349 - Unfinished

CX
Chexit delayed exit

- Meets NFPA 101 requirements
- Self-contained controls, locking, alarm

RX
Pushpad monitor switch

- Signals use of an opening
- SPDT switch to monitor pushpad alarm

EL
Electric latch retraction

- Enables remote unlatching
- Alternative to manual dogging

ALK
Alarm exit kit

- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key

AX
Accessible device

- UL certified to meet new 5 lb. maximum operating force requirement
- Exceeds ANSI/BHMA requirements

CON
Allegion Connectors

- Common connectors to connect various door hardware all the way to the power supply

PN
Pneumatic latch retraction

- For areas where electrical devices banned
- Special linkage for mechanical or pneumatic dogging

DI
Dogging indicator

- Monitor dogging status without a control panel
- Red indicator light shows visibility to dogging from over 75 feet

CD
Cylinder dogging





- Replaces hex key dogging
- Requires standard 1 1/4" mortise cylinder





QEL
Quiet electric latch retraction

- Bolt retraction via switch
- Converts exit door to push-pull operation

*For 98/9949 devices, LX switch monitors trim input or electric dogging of EL/QEL devices. LX switch does not monitor latchbolt condition.

Standard trim

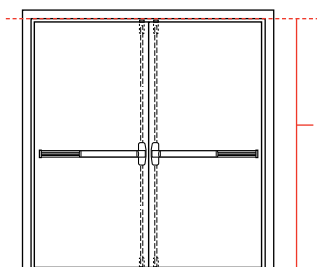
	EO	DT	NL	NL-OP
	 No outside trim Exit only	 Dummy trim Pull when dogged	 Night latch Key retracts latchbolt	 Night latch Key retracts latchbolt optional pull required
Product description	9849EO 9949EO	9849DT 9949DT	9849NL 9949NL	9849NL-OP 9949NL-OP
Trim description	—	990DT	990NL-R/V	110NL-MD
Escutcheon plate size	—	3" x 14 ^{13/16"} x 3 ^{3/32"} (76x360x2mm)	3" x 14 ^{13/16"} x 3 ^{3/32"} (76x360x2mm)	—
Pull center to center	—	5 ^{1/2"} (140mm)	5 ^{1/2"} (140mm)	—
Projection	—	2" (51mm)	2" (51mm)	—
ANSI function	01	02	03	03
Cylinder type	—	—	Rim	Rim
Handing	—	—	—	—
Optional trim	x990EO x996EO	x996K-DT x996L-DT x696DT x697DT	x996K-NL x996L-NL x696NL x697NL	
Optional #425 SNB quantity for device	6	2	2	6

	L	L-NL	L-BE	L-DT
	 Lever Key locks & unlocks	 Lever – night latch Key retracts latchbolt	 Lever – blank escutcheon Always operable (no cylinder)	 Lever dummy trim pull when dogged
Product description	9849L 9949L	9849L-NL 9949L-NL	9849L-BE 9949L-BE	9849L-DT 9949L-DT
Trim description	996L-R/V*	996L-NL-R/V	996L-BE-R/V*	996L-DT
Escutcheon plate size	2 ^{3/4"} x 10 ^{3/4"} x 2 ^{7/32"} (70x273x21mm)	2 ^{3/4"} x 10 ^{3/4"} x 2 ^{7/32"} (70x273x21mm)	2 ^{3/4"} x 10 ^{3/4"} x 2 ^{7/32"} (70x273x21mm)	2 ^{3/4"} x 10 ^{3/4"} x 2 ^{7/32"} (70x273x21mm)
Pull center to center	—	—	—	—
Projection	2 ^{7/8"} (73mm)	2 ^{7/8"} (73mm)	2 ^{7/8"} (73mm)	2 ^{7/8"} (73mm)
ANSI function	08	03	14	02
Cylinder type	Rim	Rim	—	—
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
Optional #425 SNB quantity for device	2	2	2	2

* Electrified lever operation available

Nominal door opening height		Top cable part number	Bottom cable part number
*82" - 96"	*6'10" - 8'	47250175	47250178
>96" - 110"	>8'0" - 9' 2"	47250176	47250179
>110" - 120"	>9'2" - 10'	47250177	47250180

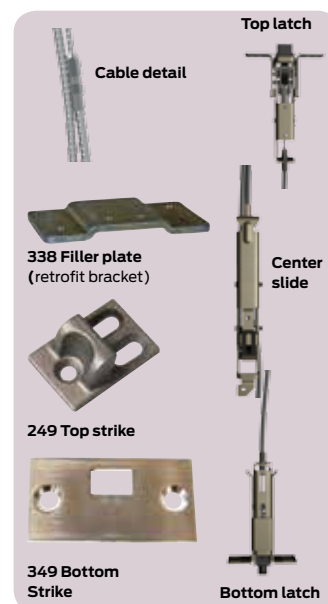
*Default door opening height. Specify door opening height if other than the default. For door heights less than 6'10" and greater than 10', contact our Customer Care department to discuss your specific application needs.



Door opening height is distance from bottom of frame header to finished floor.

See table on left for standard offering.

🔥 9849-F/9949-F Concealed vertical cable fire exit device



9849/9949 Concealed vertical cable device for use on single or double metal doors, UL listed for panic exit hardware. See page 76 for detailed information on UL listed fire exit hardware label and door opening size information. Devices are ANSI A156.3 – 2008 Grade 1. The 9849 device has a smooth mechanism case and the 9949 device has a grooved case. The concealed vertical cable device is non-handed except when the following device options are used: SD (special dogging), or SS (signal switch). See opposite page for available outside trim and device functions.

Finishes – US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.

Specifications

Device functions	Device ships EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw from device.	
Device lengths	2'	2' (610 mm) Door size
	3'	2'4" to 3' (711mm to 914 mm) Door size
	4'	2'10" to 4' (864 mm to 1219 mm) Door size
Device centerline from finished floor	39 ⁵ / ₈ " (1006 mm) Standard	
Center case dimensions	8" x 2 ³ / ₄ " x 2 ³ / ₈ " (203mm x 70mm x 60mm)	
Mechanism case dimensions	2 ¹ / ₄ " x 2 ¹ / ₄ " (57mm x 57mm)	
Projection	Pushbar neutral – 3 ¹³ / ₁₆ " (97 mm) Pushbar depressed – 3 ¹ / ₈ " (78 mm)	
Latch bolt	Deadlocking anti-friction top & bottom bolt, ⁵ / ₈ " (16mm) throw	
Door undercut	³ / ₄ " (19mm) maximum (24231516 spacer block kit needed for ³ / ₄ " undercut)	
Top & bottom Latch case	5 ¹³ / ₁₆ " x 1 ¹ / ₄ " x 1 ⁷ / ₁₆ " (147mm x 32mm x 37mm)	
Vertical cable	7 ⁷ / ₃₂ " (6mm) Diameter stainless steel cables	
Fasteners & sex bolts (SNB)	Includes screw pack for 1 ³ / ₄ " (44mm) to 2 ¹ / ₄ " (57mm) thick metal doors. Optional 425 SNB available.	
Electric options	ALK	Alarm exit kit
	CX	Chexit delayed exit
	E	Electric unlocking and locking trim
	EL	Electric latch retraction
	HD-EL	Electric latch retraction w/ hex dogging
	QEL	Quiet electric latch retraction
	*LX	Latchbolt monitor switch
	RX2	Double pushpad monitor switch
	RX996L	Trim monitor switch
	RX	Pushpad monitor switch
	RXLC	Pushpad monitor switch - low current
	SS	Signal switch
	WP-RX	Waterproof request to exit
	CON	Allegion Connect
Mechanical options	GBK	Glass bead kit
	LBL	Less bottom latch
	AX	Accessible device (LBL only)
	PN	Pneumatic latch retraction
	SEC	Security screws
	SG	Safety glow
	SNB	Sex bolts
Dogging option	No mechanical dogging. EL and QEL option available	
Strikes	Top – 249 - Unfinished, Bottom – 349 - Unfinished	

CX
Chexit delayed exit

- Meets NFPA 101 requirements
- Self-contained controls, locking, alarm

SS
Signal switch

- Signals unauthorized use of an opening
- Switch makes latch bolt tamper-resistant

EL
Electric latch retraction

- Enables remote unlatching
- Alternative to manual dogging

RX
Pushpad monitor switch

- Signals use of an opening
- SPDT switch to monitor pushpad

QEL
Quiet electric latch retraction

- Bolt retraction via switch
- Converts exit door to push-pull operation

E (E996L)
Electrified breakaway lever

- Electrified remote locking/unlocking
- Standard in fail safe condition

AX
Accessible device

- UL certified to meet new 5 lb. maximum operating force requirement
- Exceeds ANSI/BHMA requirements

CON
Allegion Connectors




- Common connectors to connect various door hardware all the way to the power supply





PN
Pneumatic latch retraction

- For areas where electrical devices banned
- Special linkage for mechanical or pneumatic dogging

*For 98/9949 devices, LX switch monitors trim input or electric dogging of EL/QEL devices. LX switch does not monitor latchbolt condition.

Standard trim

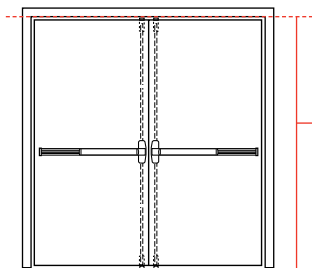
	EO No outside trim Exit only	DT  Dummy trim Pull when dogged (not recommended for fire device)	NL  Night latch Key retracts latchbolt	NL-OP  Night latch Key retracts latchbolt optional pull required
Product description	9849EO-F 9949EO-F	— —	9849NL-F 9949NL-F	9849NL-OP-F 9949NL-OP-F
Trim description	—	990DT	990NL-R/V	110NL-MD
Escutcheon plate size	—	3" x 14 ^{13/16"} x 3 ^{3/32"} (76x360x2mm)	3" x 14 ^{13/16"} x 3 ^{3/32"} (76x360x2mm)	—
Pull center to center	—	5 ^{1/2"} (140mm)	5 ^{1/2"} (140mm)	—
Projection	—	2" (51mm)	2" (51mm)	—
ANSI function	01	02	03	03
Cylinder type	—	—	Rim	Rim
Handing	—	—	—	—
Optional trim	x990EO x996EO	x996K-DT x996L-DT x696DT x697DT	x996K-NL x996L-NL x696NL x697NL	
Optional #425 SNB quantity for device	6	2	2	6

	L  Lever Key locks & unlocks	L-NL  Lever – night latch Key retracts latchbolt	L-BE  Lever – blank escutcheon Always operable (no cylinder)	L-DT  Lever dummy trim pull when dogged (not recommended for fire device)
Product description	9849L-F 9949L-F	9849L-NL-F 9949L-NL-F	9849L-BE-F 9949L-BE-F	— —
Trim description	996L-R/V*	996L-NL-R/V	996L-BE-R/V*	996L-DT
Escutcheon plate size	2 ^{3/4"} x 10 ^{3/4"} x 2 ^{7/32"} (70x273x21mm)	2 ^{3/4"} x 10 ^{3/4"} x 2 ^{7/32"} (70x273x21mm)	2 ^{3/4"} x 10 ^{3/4"} x 2 ^{7/32"} (70x273x21mm)	2 ^{3/4"} x 10 ^{3/4"} x 2 ^{7/32"} (70x273x21mm)
Pull center to center	—	—	—	—
Projection	2 ^{7/8"} (73mm)	2 ^{7/8"} (73mm)	2 ^{7/8"} (73mm)	2 ^{7/8"} (73mm)
ANSI function	08	03	14	02
Cylinder type	Rim	Rim	—	—
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
Optional #425 SNB quantity for device	2	2	2	2

* Electrified lever operation available

Nominal door opening height		Top cable part number	Bottom cable part number
*82" - 96"	*6'10" - 8'	47250175	47250178
>96" - 110"	>8'0" - 9' 2"	47250176	47250179
>110" - 120"	>9'2" - 10'	47250177	47250180

*Default door opening height. Specify door opening height if other than the default. For door heights less than 6'10" and greater than 10', contact our Customer Care department to discuss your specific application needs.



Door opening height is distance from bottom of frame header to finished floor.

See table on left for standard offering.

9847WDC/9947WDC Wood door concealed vertical rod device



9847WDC/9947WDC Concealed vertical rod device for use on single or double wood doors, UL listed for panic exit hardware. Devices are ANSI A156.3 – 2008 Grade 1. The 9847WDC device has a smooth mechanism case and the 9947WDC device has a grooved case. The concealed vertical rod device is non-handed except when the following device options are used: SD (special dogging), or SS (signal switch). See opposite page for available outside trim and functions.

Scalp plate – Device is furnished standard with an 8" (203mm) long scalp plate for easy access to rods.

Note: Do not use on pair of doors with 9875/9975.

Finishes – US3, US4, US10, US26, US26D, US28 & 313. US15 and US32D available with 98 Series only.



Hex key dogging comes standard on 9847/9947 Wood door concealed vertical rod devices

Specifications

Device functions	Device ships EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw from device.
Device lengths	2' 2' (610 mm) Door size 3' 2'4" to 3' (711mm to 914 mm) Door size 4' 2'10" to 4' (864 mm to 1219 mm) Door size
Device centerline from finished floor	39 ⁵ / ₈ " (1006 mm) Standard Adjustable from 35 ⁵ / ₈ " (905mm) to 49 ⁵ / ₈ " (1260mm)
Center case dimensions	8" x 2 ³ / ₄ " x 2 ³ / ₈ " (203mm x 70mm x 60mm)
Mechanism case dimensions	2 ¹ / ₄ " x 2 ¹ / ₄ " (57mm x 57mm)
Projection	Pushbar neutral – 3 ¹³ / ₁₆ " (97 mm) Pushbar depressed – 3 ¹ / ₈ " (78 mm)
Latch bolt	Deadlocking top bolt, ⁵ / ₈ " (16mm) throw
Door undercut	¹ / ₄ " (7mm) maximum
Top & bottom Latch case	3 ³ / ₄ " x 1 ¹ / ₂ " x 1" (95mm x 38mm x 25mm)
Vertical rods	Round 2-piece adjustable rods – Top rod adjustable from 6'8" (2027mm) to 8'4" (2533mm). Bottom rod adjustable 35 ⁵ / ₈ " (905 mm) to 49 ⁵ / ₈ " (1260 mm). Extension rod kits available for doors over 8'4" (2533mm).
Fasteners & sex bolts (SNB)	Includes screw pack for 1 ³ / ₄ " (44mm) to 2 ¹ / ₄ " (57mm) thick wood doors. 425 SNB required on wood doors without SLM blocking.
Electric options	LX Latchbolt monitor switch RX Pushpad monitor switch RX2 Double pushpad monitor switch E Electric unlocking and locking trim EL Electric latch retraction QEL Quiet electric latch retraction SS Signal switch CX Chexit delayed exit ALK Alarm exit kit WP-RX Waterproof request to exit CON Allegion Connect
Mechanical options	GBK Glass bead kit PN Pneumatic latch retraction PL Pullman latch LBR Less bottom rod SNB Sex bolts SEC Security screws
Dogging feature	Hex key dogging standard
Dogging option	CD Cylinder dogging LD Less dogging DI Dogging indicator CI Cylinder dogging indicator
Strikes	Top – 338 - Unfinished, Bottom – 385A - Unfinished

CX
Chexit delayed exit
• Meets NFPA 101 requirements
• Self-contained controls, locking, alarm

ALK
Alarm exit kit
• Unauthorized opening triggers 85-decibel horn
• Set in armed or disarmed mode by key

EL
Electric latch retraction
• Enables remote unlatching
• Alternative to manual dogging

PL
Pullman latch
• Not for use with Fire Exit Hardware

QEL
Quiet electric latch retraction
• Bolt retraction via switch
• Converts exit door to push-pull operation

LX
Latchbolt monitor switch
• Signals use of an opening
• SPDT switch to monitor latch bolt






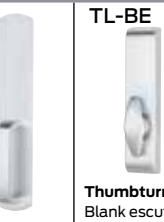
E (E996L)
Electrified breakaway lever
• Electrified remote locking/unlocking
• Standard in fail safe condition





RX
Pushpad monitor switch
• Signals use of an opening
• SPDT switch to monitor pushpad

PN
Pneumatic latch retraction
• For areas where electrical devices banned
• Special linkage for mechanical or pneumatic dogging

CON
Allegion Connectors
• Common connectors to connect various door hardware all the way to the power supply

Standard trim

	EO  No outside trim Exit only	DT  Dummy trim Pull when dogged	NL  Night latch Key retracts latchbolt	NL-OP  Night latch Key retracts latchbolt optional pull required	TL  Thumbturn Key locks & unlocks (use with DT trim)	TL-BE  Thumbturn Blank escutcheon always operable (no cylinder) (use with DT trim)
Product description	9847WDC-EO 9947WDC-EO	9847WDC-DT 9947WDC-DT	9847WDC-NL 9947WDC-NL	9847WDCNL-OP 9947WDCNL-OP	9847WDC-TL 9947WDC-TL	9847WDC-TL-BE 9947WDC-TL-BE
Trim description	—	990DT	990NL-R/V	110NL-WD	376TWDC x 990DT	376TWDC-BE x 990DT
Escutcheon plate size	—	3" x 14 ¹³ / ₁₆ " x 3 ³ / ₃₂ " (76x360x2mm)	3" x 14 ¹³ / ₁₆ " x 3 ³ / ₃₂ " (76x360x2mm)	—	2 ³ / ₄ " x 10 ³ / ₄ " x 27 ³ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 27 ³ / ₃₂ " (70x273x21mm)
Pull center to center	—	5 ¹ / ₂ " (140mm)	5 ¹ / ₂ " (140mm)	—	—	—
Projection	—	2" (51mm)	2" (51mm)	—	2" (51mm)	2" (51mm)
ANSI function	01	02	03	03	11 or 12	16
Cylinder type	—	—	Rim	Rim	1 ¹ / ₄ " Mortise	—
Handing	—	—	—	—	—	—
Optional trim	x990EO x996EO	x996K-DT x996L-DT x696DT x697DT	x996K-NL x996L-NL x696NL x697NL			
Optional #425 SNB quantity for device	6	2	2	6	2	2

	L  Lever Key locks & unlocks	L-NL  Lever – night latch Key retracts latchbolt	L-BE  Lever – blank escutcheon Always operable (no cylinder)	L-DT  Lever dummy trim pull when dogged
Product description	9847WDC-L 9947WDC-L	9847WDC-L-NL 9947WDC-L-NL	9847WDC-L-BE 9947WDC-L-BE	9847WDC-L-DT 9947WDC-L-DT
Trim description	996L-R/V*	996L-NL-R/V	996L-BE-R/V*	996L-DT
Escutcheon plate size	2 ³ / ₄ " x 10 ³ / ₄ " x 27 ³ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 27 ³ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 27 ³ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 27 ³ / ₃₂ " (70x273x21mm)
Pull center to center	—	—	—	—
Projection	2 ⁷ / ₈ " (73mm)	2 ⁷ / ₈ " (73mm)	2 ⁷ / ₈ " (73mm)	2 ⁷ / ₈ " (73mm)
ANSI function	08	03	14	02
Cylinder type	Rim	Rim	—	—
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
Optional #425 SNB quantity for device	2	2	2	2

* Electrified lever operation available

Notes

🔥 9847WDC-F/9947WDC-F Wood door concealed vertical rod fire device



9847WDC-F/9947WDC-F Fire exit concealed vertical rod device for use on pairs of doors up to 8'0" x 9' 3" (2438mm x 2819mm) double wood doors, UL listed for fire exit hardware. See page 76 for detailed information on UL listed fire exit hardware label and door opening size information. Devices are ANSI A156.3 – 2008 Grade 1. The 9847WDC-F device has a smooth mechanism case and the 9947WDC-F device has a grooved case. The concealed vertical rod device is non-handed except when the following device options are used: SS (signal switch). See Opposite page for available outside trim and functions.

Scalp Plate – Device is furnished standard with an 8" (203mm) long scalp plate for easy access to rods. Note: Do not use on pair of doors with 9875-F/9975-F.

Finishes – US3, US4, US10, US26, US26D, US28 & 313. US15 and US32D available with 98 Series only.

Specifications

Device functions	Device ships EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw from device.	
Device lengths	2'	2' (610 mm) Door size
	3'	2'4" to 3' (711mm to 914 mm) Door size
	4'	2'10" to 4' (864 mm to 1219 mm) Door size
Device centerline from finished floor	39 ⁵ / ₈ " (1006 mm) Standard	
Center case dimensions	8" x 2 ³ / ₄ " x 2 ³ / ₈ " (203mm x 70mm x 60mm)	
Mechanism case dimensions	2 ¹ / ₄ " x 2 ¹ / ₄ " (57mm x 57mm)	
Projection	Pushbar neutral – 3 ¹³ / ₁₆ " (97 mm) Pushbar depressed – 3 ¹ / ₁₆ " (78 mm)	
Latch bolt	Deadlocking top & bottom bolt, ⁵ / ₈ " (16mm) throw	
Door undercut	1/4" (7mm) maximum	
Top & bottom Latch case	3 ³ / ₄ " x 1 ¹ / ₂ " x 1" (95mm x 38mm x 25mm)	
Vertical rods	Round 2-piece adjustable rods – Top rod adjustable from 6'8" (2027mm) to 8'4" (2533mm). Bottom rod adjustable 35 ⁵ / ₈ " (905 mm) to 49 ⁵ / ₈ " (1260 mm). Extension rod kits available for doors over 8'4" (2533mm).	
Fasteners & sex bolts (SNB)	Includes screw pack for 1 ³ / ₄ " (44mm) to 2 ¹ / ₄ " (57mm) thick wood doors. 425 SNB required on wood doors without SLM blocking.	
Electric options	LX	Latchbolt monitor switch
	RX	Pushpad monitor switch
	RX2	Double pushpad monitor switch
	E	Electric unlocking and locking trim
	EL	Electric latch retraction
	QEL	Quiet electric latch retraction
	SS	Signal switch
	CX	Chexit delayed exit
	ALK	Alarm exit kit
	WP-RX	Waterproof request to exit
	CON	Allegion Connect
Mechanical options	GBK	Glass bead kit
	PN	Pneumatic latch retraction
	PL	Pullman latch
	LBR	Less bottom rod
	SNB	Sex bolts
	SEC	Security screws
Dogging option	No mechanical dogging. EL and QEL option available	
Strikes	Top – 338 - Unfinished, Bottom – 385A - Unfinished	

CX

Chexit delayed exit

- Meets NFPA 101 requirements
- Self-contained controls, locking, alarm

ALK

Alarm exit kit

- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key

EL

Electric latch retraction

- Enables remote unlatching
- Alternative to manual dogging

LX

Latchbolt monitor switch

- Signals use of an opening
- SPDT switch to monitor latch bolt

QEL

Quiet electric latch retraction

- Bolt retraction via switch
- Converts exit door to push-pull operation

RX

Pushpad monitor switch

- Signals use of an opening
- SPDT switch to monitor pushpad

E (E996L)

Electrified breakaway lever

- Electrified remote locking/unlocking
- Standard in fail safe condition

CON

Allegion Connectors

- Common connectors to connect various door hardware all the way to the power supply






PN





Pneumatic latch retraction

- For areas where electrical devices banned
- Special linkage for mechanical or pneumatic dogging



Standard trim





	EO	DT 	NL 	NL-OP 	TL 	TL-BE 
	No outside trim Exit only	Dummy trim Pull when dogged	Night latch Key retracts latchbolt	Night latch Key retracts latchbolt optional pull required	Thumbturn Key locks & unlocks (use with DT trim)	Thumbturn Blank escutcheon always operable (no cylinder) (use with DT trim)
Product description	9847WDC-EO-F 9947WDC-EO-F	9847WDC-DT-F 9947WDC-DT-F	9847WDC-NL-F 9947WDC-NL-F	9847WDCNL-OP-F 9947WDCNL-OP-F	9847WDC-TL-F 9947WDC-TL-F	9847WDC-TL-BE-F 9947WDC-TL-BE-F
Trim description	—	990DT	990NL-R/V	110NL-WD	376TWDC x 990DT	376TWDC-BE x 990DT
Escutcheon plate size	—	3" x 14 ^{13/16} " x 3 ^{3/32} " (76x360x2mm)	3" x 14 ^{13/16} " x 3 ^{3/32} " (76x360x2mm)	—	2 ^{3/4} " x 10 ^{3/4} " x 2 ^{7/32} " (70x273x21mm)	2 ^{3/4} " x 10 ^{3/4} " x 2 ^{7/32} " (70x273x21mm)
Pull center to center	—	5 ^{1/2} " (140mm)	5 ^{1/2} " (140mm)	—	—	—
Projection	—	2" (51mm)	2" (51mm)	—	2" (51mm)	2" (51mm)
ANSI function	01	02	03	03	11	—
Cylinder type	—	—	Rim	Rim	1 ^{1/4} " Mortise	—
Handing	—	—	—	—	—	—
Optional trim	x990EO x996EO	x996K-DT x996L-DT x996L-DT x696DT x697DT	x996K-NL x996L-NL x996L-NL x696NL x697NL			
#425 SNB optional - HMD req. WD w/o SLM pkg.	6	2	2	6	2	2

	L 	L-NL 	L-BE 	L-DT 
	Lever Key locks & unlocks	Lever – night latch Key retracts latchbolt	Lever – blank escutcheon Always operable (no cylinder)	Lever dummy trim pull when dogged
Product description	9847WDC-L-F 9947WDC-L-F	9847WDC-L-NL-F 9947WDC-L-NL-F	9847WDC-L-BE-F 9947WDC-L-BE-F	9847WDC-L-DT-F 9947WDC-L-DT-F
Trim description	996L-R/V*	996L-NL-R/V	996L-BE-R/V*	996L-DT
Escutcheon plate size	2 ^{3/4} " x 10 ^{3/4} " x 2 ^{7/32} " (70x273x21mm)	2 ^{3/4} " x 10 ^{3/4} " x 2 ^{7/32} " (70x273x21mm)	2 ^{3/4} " x 10 ^{3/4} " x 2 ^{7/32} " (70x273x21mm)	2 ^{3/4} " x 10 ^{3/4} " x 2 ^{7/32} " (70x273x21mm)
Pull center to center	—	—	—	—
Projection	2 ^{7/8} " (73mm)	2 ^{7/8} " (73mm)	2 ^{7/8} " (73mm)	2 ^{7/8} " (73mm)
ANSI function	08	03	14	02
Cylinder type	Rim	Rim	—	—
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
#425 SNB optional - HMD req. WD w/o SLM pkg.	2	2	2	2

* Electrified lever operation available





Notes

Standard trim

	EO	DT	NL	NL-OP
				
Trim description	9949WDC-EO	9949WDC-DT	9949WDC-NL	9949WDC-NL-OP
Escutcheon plate size	—	3" x 14 ⁷ / ₈ " x 7 ¹ / ₂ "	3" x 14 ⁷ / ₈ " x 7 ¹ / ₂ "	—
Pull center to center	—	5 ¹ / ₂ " (140mm)	5 ¹ / ₂ " (140mm)	—
Projection	—	2" (51mm)	2" (51mm)	—
ANSI function	01	02	03	03
Cylinder type	—	—	Rim	Rim
Handing	—	—	—	—
Optional trim	x990EO x996EO	x996K-DT x996L-DT x696DT x697DT	x996K-NL x996L-NL x696NL x697NL	
Optional #425 SNB quantity for device	6	2	2	6

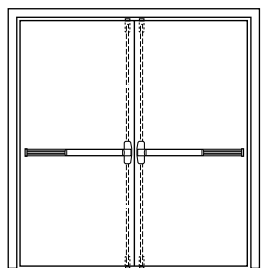
THIS PRODUCT IS OBSOLETE
and has been replaced by the 98/9950 WDC.

See pages 48-51 for more information.

	L	L-NL	L-BE	L-DT
				
	Lever Key locks & unlocks	Lever – night latch Key retracts latchbolt	Lever – blank escutcheon Always operable (no cylinder)	Lever dummy trim pull when dogged
Product description	9849WDC-L 9949WDC-L	9849WDC-L-NL 9949WDC-L-NL	9849WDC-L-BE 9949WDC-L-BE	9849WDC-L-DT 9949WDC-L-DT
Trim description	996L-R/V*	996L-NL-R/V	996L-BE-R/V*	996L-DT
Escutcheon plate size	2 ³ / ₄ " x 10 ³ / ₄ " x 2 ⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 2 ⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 2 ⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 2 ⁷ / ₃₂ " (70x273x21mm)
Pull center to center	—	—	—	—
Projection	2 ⁷ / ₈ " (73mm)	2 ⁷ / ₈ " (73mm)	2 ⁷ / ₈ " (73mm)	2 ⁷ / ₈ " (73mm)
ANSI function	08	03	14	02
Cylinder type	Rim	Rim	—	—
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
Optional #425 SNB quantity for device	2	2	2	2

* Electrified lever operation available

Standard door opening height	
Feet	Inches
6'8"	80"
7'	84"
8'	96"
9'	108"
10'	120"



Door opening height
is measured from finished floor
to frame rabbet on door side.

See table on left for standard offering.

Note: Non-standard sizes available with extended lead time. Consult Customer Care for more information 1-877-671-7011.

9849WDC/9949WDC Wood door concealed vertical cable device



THIS PRODUCT IS OBSOLETE

and has been replaced by the 98/9950 WDC.

See pages 48-51 for more information.

Scalp Plate – Device is furnished standard with an 8" (203mm) long scalp plate for easy access to cables.

Note: Do not use on pair of doors with 9975 devices.

Finishes – US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.

Specifications

Device functions	Device ships EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw from device.
Device lengths	2' 2' (610 mm) Door size 3' 2'4" to 3' (711mm to 914 mm) Door size 4' 2'10" to 4' (864 mm to 1219 mm) Door size
Device centerline from finished floor	39 ⁵ / ₈ " (1006 mm) Standard
Center case dimensions	8" x 2 ³ / ₄ " x 2 ³ / ₈ " (203mm x 70mm x 60mm)
Mechanism case dimensions	2 ¹ / ₄ " x 2 ¹ / ₄ " (57mm x 57mm)
Projection	Pushbar neutral – 3 ¹³ / ₁₆ " (97 mm) Pushbar depressed – 3 ¹ / ₁₆ " (78 mm)
Latch bolt	Deadlocking top & bottom bolt, 1 ¹ / ₂ " (38mm) throw
Door undercut	³ / ₈ " undercut (10mm)
Top & bottom Latch case	5 ¹³ / ₁₆ " x 1 ¹ / ₄ " x 1 ⁷ / ₁₆ " (147mm x 32mm x 37mm)
Vertical cables	⁷ / ₃₂ " (6mm) Diameter stainless steel cables
Fasteners & sex bolts (SNB)	Includes screw pack for 1 ³ / ₄ " (44mm) to 2 ¹ / ₄ " (57mm) thick wood doors. 425 SNB required on wood doors without SLM blocking.
Electric options	ALK Alarm exit kit CX Chexit delayed exit E Electric unlocking and locking trim EL Electric latch retraction HD-EL Electric latch retraction w/ hex dogging QEL Quiet electric latch retraction *LX Latchbolt monitor switch RX2 Double pushpad monitor switch RX996L Trim monitor switch RX Pushpad monitor switch RXLC Pushpad monitor switch - low current SS Signal switch WP-RX Waterproof request to exit CON Allegion Connect
Mechanical options	GBK Glass bead kit LBL Less bottom latch PN Pneumatic latch retraction SEC Security screws SG Safety glow SNB Sex bolts SLM Special laminate material blocking
Dogging option	No mechanical dogging. EL and QEL option available
Strikes	Top – 249 - Unfinished, Bottom – 349 - Unfinished

CX
Chexit delayed exit

- Meets NFPA 101 requirements
- Self-contained controls, locking, alarm

ALK
Alarm exit kit

- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key

EL
Electric latch retraction

- Enables remote unlatching
- Alternative to manual dogging

LX
Latchbolt monitor switch

- Signals use of an opening
- SPDT switch to monitor latch bolt

QEL
Quiet electric latch retraction

- Bolt retraction via switch
- Converts exit door to push-pull operation

RX
Pushpad monitor switch

- Signals use of an opening
- SPDT switch to monitor pushpad

E (E996L)
Electrified breakaway lever

- Electrified remote locking/unlocking
- Standard in fail safe condition

CON
Allegion Connectors

- Common connectors to connect various door hardware all the way to the power supply





PN
Pneumatic latch retraction

- For areas where electrical devices banned
- Special linkage for mechanical or pneumatic dogging





*For 98/9949 devices, LX switch monitors trim input or electric dogging of EL/QEL devices. LX switch does not monitor latchbolt condition.

9849WDC-F/9949WDC-F Wood door concealed vertical rod fire device

Standard trim

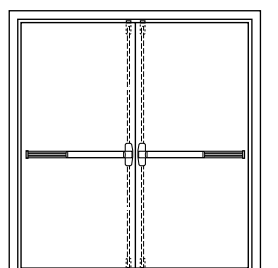
	EO	DT	NL	NL-OP
				
Trim description	9849WDC-EO-F 9949WDC-EO-F	Dummy trim 9849WDC-DT-F 9949WDC-DT-F	Night latch 9849WDC-NL-F 9949WDC-NL-F	Night latch 9849WDC-NL-OP-F 9949WDC-NL-OP-F
Escutcheon plate size	—	3" x 14 ⁷ / ₈ " x 7 ¹ / ₂ "	3" x 14 ⁷ / ₈ " x 7 ¹ / ₂ "	—
Pull center to center	—	5 ¹ / ₂ " (140mm)	5 ¹ / ₂ " (140mm)	—
Projection	—	2" (51mm)	2" (51mm)	—
ANSI function	01	02	03	03
Cylinder type	—	—	Rim	Rim
Handing	—	—	—	—
Optional trim	x990EO x996EO	x996K-DT x996L-DT x996L-DT x696DT x697DT	x996K-NL x996L-NL x996L-NL x696NL x697NL	
Optional #425 SNB quantity for device	6	2	2	6

THIS PRODUCT IS OBSOLETE
and has been replaced by the 98/9950 WDC.
See pages 48-51 for more information.

	L	L-NL	L-BE	L-DT
				
Product description	9849WDC-L-F 9949WDC-L-F	9849WDC-L-NL-F 9949WDC-L-NL-F	9849WDC-L-BE-F 9949WDC-L-BE-F	— —
Trim description	996L-R/V*	996L-NL-R/V	996L-BE-R/V*	996L-DT
Escutcheon plate size	2 ³ / ₄ " x 10 ³ / ₄ " x 2 ⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 2 ⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 2 ⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 2 ⁷ / ₃₂ " (70x273x21mm)
Pull center to center	—	—	—	—
Projection	2 ⁷ / ₈ " (73mm)	2 ⁷ / ₈ " (73mm)	2 ⁷ / ₈ " (73mm)	2 ⁷ / ₈ " (73mm)
ANSI function	08	03	14	02
Cylinder type	Rim	Rim	—	—
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
Optional #425 SNB quantity for device	2	2	2	2

* Electrified lever operation available

Standard door opening height	
Feet	Inches
6'8"	80"
7'	84"
8'	96"
9'	108"
10'	120"



Door opening height
is measured from finished floor
to frame rabbet on door side.

See table on left for standard offering.

Note: Non-standard sizes available with extended lead time. Consult Customer Care for more information 1-877-671-7011.

9850WDC/9950WDC Wood door concealed vertical cable device

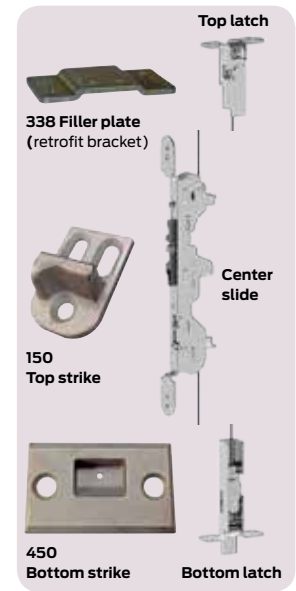


9850WDC/9950WDC Concealed vertical cable device for use on single or double wood doors, UL listed for panic exit hardware. Devices are ANSI A156.3 – 2008 Grade 1. The 9850WDC device has a smooth mechanism case and the 9950WDC device has a grooved case. The concealed vertical cable device is non-handed except when the following device options are used: SD (special dogging), or SS (signal switch). See Opposite page for available outside trim and functions.

Scalp Plate – Device is furnished standard with an 15" (381 mm) long scalp plate for easy access to cables.

Note: Do not use on pair of doors with 9975 devices.

Finishes – US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.



Hex key dogging comes standard on 9850/9950 Wood door concealed vertical cable devices

Specifications

Device functions	Device ships EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw from device.
Device lengths	2' 2' (610 mm) Door size 3' 2'4" to 3' (711mm to 914 mm) Door size 4' 2'10" to 4' (864 mm to 1219 mm) Door size
Device centerline from finished floor	39 ⁵ / ₈ " (1006 mm) Standard
Center case dimensions	8" x 2 ³ / ₄ " x 2 ³ / ₈ " (203mm x 70mm x 60mm)
Mechanism case dimensions	2 ¹ / ₄ " x 2 ¹ / ₄ " (57mm x 57mm)
Projection	Pushbar neutral – 3 ¹³ / ₁₆ " (97 mm) Pushbar depressed – 3 ¹ / ₁₆ " (78 mm)
Latch bolt	Deadlocking top & bottom bolt. 1 ¹ / ₂ " (38mm) throw
Door undercut	3 ³ / ₄ " (19mm) maximum
Top & bottom Latch case	5 ¹³ / ₁₆ " x 1 ¹ / ₄ " x 1 ⁷ / ₁₆ " (147mm x 32mm x 37mm)
Vertical cables	7 ⁷ / ₃₂ " (6mm) Diameter stainless steel cables
Fasteners & sex bolts (SNB)	Includes screw pack for 1 ³ / ₄ " (44mm) to 2 ¹ / ₄ " (57mm) thick wood doors.
Electric options	ALK Alarm exit kit CX Chexit delayed exit E Electric unlocking and locking trim EL Electric latch retraction HD-EL Electric latch retraction w/ hex dogging QEL Quiet electric latch retraction *LX Latchbolt monitor switch RX2 Double pushpad monitor switch RX996L Trim monitor switch RX Pushpad monitor switch RXLC Pushpad monitor switch - low current SS Signal switch WP-RX Waterproof request to exit CON Allegion Connect
Mechanical options	GBK Glass bead kit LBL Less bottom latch PN Pneumatic latch retraction SEC Security screws SG Safety glow SNB Sex bolts
Dogging feature Dogging option	Hex key dogging standard CD Cylinder dogging SD Special center case dogging LD Less dogging DI Dogging indicator CI Cylinder dogging indicator
Strikes	Top - 249 – Unfinished, Bottom - 450 – Unfinished

CX
Chexit delayed exit

- Meets NFPA 101 requirements
- Self-contained controls, locking, alarm

ALK
Alarm exit kit

- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key

EL
Electric latch retraction

- Enables remote unlatching
- Alternative to manual dogging

RX
Pushpad monitor switch

- Signals use of an opening
- SPDT switch to monitor pushpad

QEL
Quiet electric latch retraction

- Bolt retraction via switch
- Converts exit door to push-pull operation

LX
Latchbolt monitor switch

- Signals use of an opening
- SPDT switch to monitor latch bolt

E (E996L)
Electrified breakaway lever

- Electrified remote locking/unlocking
- Standard in fail safe condition

CON
Allegion Connectors




- Common connectors to connect various door hardware all the way to the power supply





PN
Pneumatic latch retraction

- For areas where electrical devices banned
- Special linkage for mechanical or pneumatic dogging

*For 98/9950WDC devices, LX switch monitors trim input or electric dogging of EL/QEL devices. LX switch does not monitor latchbolt condition.

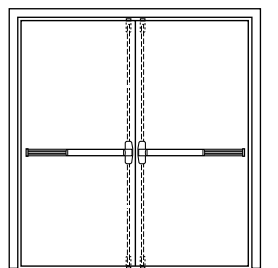
Standard trim

	EO No outside trim Exit only	DT  Dummy trim Pull when dogged	NL  Night latch Key retracts latchbolt	NL-OP  Night latch Key retracts latchbolt optional pull required
Product description	9850WDC-EO 9950WDC-EO	9850WDC-DT 9950WDC-DT	9850WDC-NL 9950WDC-NL	9850WDC-NL-OP 9950WDC-NL-OP
Trim description	—	990DT	990NL-R/V	110NL-WD
Escutcheon plate size	—	3" x 14 ^{13/16} " x 3 ^{3/32} " (76x360x2mm)	3" x 14 ^{13/16} " x 3 ^{3/32} " (76x360x2mm)	—
Pull center to center	—	5 ^{1/2} " (140mm)	5 ^{1/2} " (140mm)	—
Projection	—	2" (51mm)	2" (51mm)	—
ANSI function	01	02	03	03
Cylinder type	—	—	Rim	Rim
Handing	—	—	—	—
Optional trim	x990EO x996EO	x996K-DT x996L-DT x696DT x697DT	x996K-NL x996L-NL x696NL x697NL	
Optional #425 SNB quantity for device	6	2	2	6

	L  Lever Key locks & unlocks	L-NL  Lever – night latch Key retracts latchbolt	L-BE  Lever – blank escutcheon Always operable (no cylinder)	L-DT  Lever dummy trim pull when dogged
Product description	9850WDC-L 9950WDC-L	9850WDC-L-NL 9950WDC-L-NL	9850WDC-L-BE 9950WDC-L-BE	9850WDC-L-DT 9950WDC-L-DT
Trim description	996L-R/V*	996L-NL-R/V	996L-BE-R/V*	996L-DT
Escutcheon plate size	2 ^{3/4} " x 10 ^{3/4} " x 2 ^{7/32} " (70x273x21mm)	2 ^{3/4} " x 10 ^{3/4} " x 2 ^{7/32} " (70x273x21mm)	2 ^{3/4} " x 10 ^{3/4} " x 2 ^{7/32} " (70x273x21mm)	2 ^{3/4} " x 10 ^{3/4} " x 2 ^{7/32} " (70x273x21mm)
Pull center to center	—	—	—	—
Projection	2 ^{7/8} " (73mm)	2 ^{7/8} " (73mm)	2 ^{7/8} " (73mm)	2 ^{7/8} " (73mm)
ANSI function	08	03	14	02
Cylinder type	Rim	Rim	—	—
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
Optional #425 SNB quantity for device	2	2	2	2

* Electrified lever operation available

Standard door opening height	
Feet	Cable tolerance
6'8" - 7'	72" - 84"
7'1" - 8'	85" - 96"
8'1" - 9'	97" - 108"
9'1" - 10'	109" - 120"

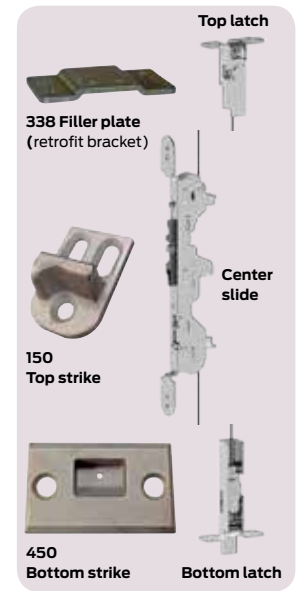
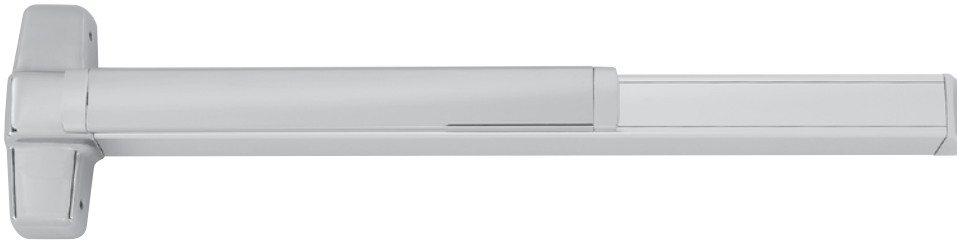


Door opening height
is measured from finished floor
to frame rabbet on door side.

See table on left for standard offering.

Note: Non-standard sizes available with extended lead time. Consult Customer Care for more information 1-877-671-7011.

9850WDC-F/9950WDC-F Wood door concealed vertical cable fire device



9850WDC-F/9950WDC-F Fire exit concealed vertical cable device for use on pairs of doors up to 8' x 9' 3" (2438mm x 2819mm) double wood doors, UL listed for fire exit hardware. See page 76 for detailed information on UL listed fire exit hardware label and door opening size information. Devices are ANSI A156.3 – 2001 Grade 1. The 9850WDC-F device has a smooth mechanism case and the 9950WDC-F device has a grooved case. The concealed vertical cable device is non-handed except when the following device options are used: SS (signal switch). See opposite page for available outside trim and functions.

Scalp Plate – Device is furnished standard with an 15" (381 mm) long scalp plate for easy access to cables.

Note: Do not use on pair of doors with 9975 devices.

Finishes – US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.

Specifications

Device functions	Device ships EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw from device.
Device lengths	2' 2' (610 mm) Door size 3' 2'4" to 3' (711mm to 914 mm) Door size 4' 2'10" to 4' (864 mm to 1219 mm) Door size
Device centerline from finished floor	39 ⁵ / ₈ " (1006 mm) Standard
Center case dimensions	8" x 2 ³ / ₄ " x 2 ³ / ₈ " (203mm x 70mm x 60mm)
Mechanism case dimensions	2 ¹ / ₄ " x 2 ¹ / ₄ " (57mm x 57mm)
Projection	Pushbar neutral – 3 ¹³ / ₁₆ " (97 mm) Pushbar depressed – 3 ¹ / ₁₆ " (78 mm)
Latch bolt	Deadlocking top & bottom bolt, 1 ¹ / ₂ " (38mm) throw
Door undercut	³ / ₄ " (19mm) maximum
Top & bottom Latch case	5 ¹³ / ₁₆ " x 1 ¹ / ₄ " x 1 ⁷ / ₁₆ " (147mm x 32mm x 37mm)
Vertical cables	⁷ / ₃₂ " (6mm) Diameter stainless steel cables
Fasteners & sex bolts (SNB)	Includes screw pack for 1 ³ / ₄ " (44mm) to 2 ¹ / ₄ " (57mm) thick wood doors.
Electric options	ALK Alarm exit kit CX Chexit delayed exit E Electric unlocking and locking trim EL Electric latch retraction HD-EL Electric latch retraction w/ hex dogging QEL Quiet electric latch retraction *LX Latchbolt monitor switch RX2 Double pushpad monitor switch RX996L Trim monitor switch RX Pushpad monitor switch RXLC Pushpad monitor switch - low current SS Signal switch WP-RX Waterproof request to exit CON Allegion Connect
Mechanical options	GBK Glass bead kit LBL Less bottom latch PN Pneumatic latch retraction SEC Security screws SG Safety glow SNB Sex bolts SLM Special laminate material blocking
Dogging option	No mechanical dogging. EL and QEL option available
Strikes	Top – 249 - Unfinished, Bottom – 450 - Unfinished

CX
Chexit delayed exit
 • Meets NFPA 101 requirements
 • Self-contained controls, locking, alarm

ALK
Alarm exit kit
 • Unauthorized opening triggers 85-decibel horn
 • Set in armed or disarmed mode by key

EL
Electric latch retraction
 • Enables remote unlatching
 • Alternative to manual dogging

LX
Latchbolt monitor switch
 • Signals use of an opening
 • SPDT switch to monitor latch bolt

QEL
Quiet electric latch retraction
 • Bolt retraction via switch
 • Converts exit door to push-pull operation

RX
Pushpad monitor switch
 • Signals use of an opening
 • SPDT switch to monitor pushpad





E (E996L)
Electrified breakaway lever
 • Electrified remote locking/unlocking
 • Standard in fail safe condition





CON
Allegion Connectors
 • Common connectors to connect various door hardware all the way to the power supply

PN
Pneumatic latch retraction
 • For areas where electrical devices banned
 • Special linkage for mechanical or pneumatic dogging

*For 98/9950 devices, LX switch monitors trim input or electric dogging of EL/QEL devices. LX switch does not monitor latchbolt condition.

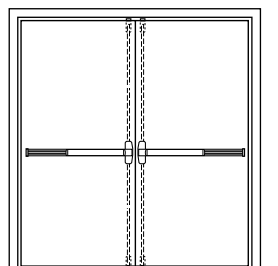
Standard trim

	EO	DT	NL	NL-OP
	 No outside trim Exit only	 Dummy trim Pull when dogged (not recommended for fire device)	 Night latch Key retracts latchbolt	 Night latch Key retracts latchbolt optional pull required
Product description	9850WDC-EO-F 9950WDC-EO-F	— —	9850WDC-NL-F 9950WDC-NL-F	9850WDC-NL-OP-F 9950WDC-NL-OP-F
Trim description	—	990DT	990NL-R/V	110NL-WD
Escutcheon plate size	—	3" x 14 ^{13/16} " x 3 ^{3/32} " (76x360x2mm)	3" x 14 ^{13/16} " x 3 ^{3/32} " (76x360x2mm)	—
Pull center to center	—	5 ^{1/2} " (140mm)	5 ^{1/2} " (140mm)	—
Projection	—	2" (51mm)	2" (51mm)	—
ANSI function	01	02	03	03
Cylinder type	—	—	Rim	Rim
Handing	—	—	—	—
Optional trim	x990EO x996EO	x996K-DT x996L-DT x996L-DT x696DT x697DT	x996K-NL x996L-NL x996L-NL x696NL x697NL	
Optional #425 SNB quantity for device	6	2	2	6

	L	L-NL	L-BE	L-DT
	 Lever Key locks & unlocks	 Lever – night latch Key retracts latchbolt	 Lever – blank escutcheon Always operable (no cylinder)	 Lever dummy trim pull when dogged (not recommended for fire device)
Product description	9850WDC-L-F 9950WDC-L-F	9850WDC-L-NL-F 9950WDC-L-NL-F	9850WDC-L-BE-F 9950WDC-L-BE-F	— —
Trim description	996L-R/V*	996L-NL-R/V	996L-BE-R/V*	996L-DT
Escutcheon plate size	2 ^{3/4} " x 10 ^{3/4} " x 27 ^{3/32} " (70x273x21mm)	2 ^{3/4} " x 10 ^{3/4} " x 27 ^{3/32} " (70x273x21mm)	2 ^{3/4} " x 10 ^{3/4} " x 27 ^{3/32} " (70x273x21mm)	2 ^{3/4} " x 10 ^{3/4} " x 27 ^{3/32} " (70x273x21mm)
Pull center to center	—	—	—	—
Projection	2 ^{7/8} " (73mm)	2 ^{7/8} " (73mm)	2 ^{7/8} " (73mm)	2 ^{7/8} " (73mm)
ANSI function	08	03	14	02
Cylinder type	Rim	Rim	—	—
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
Optional #425 SNB quantity for device	2	2	2	2

* Electrified lever operation available

Standard door opening height	
Feet	Cable tolerance
6'8" - 7'	72" - 84"
7'1" - 8'	85" - 96"
8'1" - 9'	97" - 108"
9'1" - 10'	109" - 120"











Door opening height
is measured from finished floor
to frame rabbet on door side.

See table on left for standard offering.

Note: Non-standard sizes available with extended lead time. Consult Customer Care for more information 1-877-671-7011.





98/99 Optional trim

Knob, exit only and thumbpiece trim – 990 & 996K





								
	Knob Key locks & unlocks	Knob – night latch Key retracts latchbolt	Knob – blank escutcheon Always operable (no cylinder)	Knob – dummy trim Pull when dogged	Exit only plate	Thumbpiece Key locks & unlocks	Thumbpiece blank escutcheon Always operable (no cylinder)	Exit only plate
Trim description	996K	996K-NL	996K-BE	996K-DT	996EO	990TP	990TP-BE	990EO
Escutcheon plate size	2 ³ / ₄ " x 10 ³ / ₄ " x 27 ³ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 27 ³ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 27 ³ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 27 ³ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 27 ³ / ₃₂ " (70x273x21mm)	3" x 14 ³ / ₁₆ " x 3 ³ / ₃₂ " (76x360x2mm)	3" x 14 ³ / ₁₆ " x 3 ³ / ₃₂ " (76x360x2mm)	3" x 14 ³ / ₁₆ " x 3 ³ / ₃₂ " (76x360x2mm)
Pull center to center	—	—	—	—	—	5 ¹ / ₂ " (140mm)	5 ¹ / ₂ " (140mm)	5 ¹ / ₂ " (140mm)
Projection	3 ¹ / ₄ " (83mm)	3 ¹ / ₄ " (83mm)	3 ¹ / ₄ " (83mm)	3 ¹ / ₄ " (83mm)	—	2" (51mm)	2" (51mm)	Z
ANSI function	08	09	14	02	01	05	14	14
Cylinder type								
Rim or vertical rod device	Rim	Rim	—	—	—	Rim	—	—
Mortise lock device	1 ¹ / ₄ " Mortise	1 ¹ / ₄ " Mortise			—	1 ¹ / ₄ " Mortise	—	—
Handing	—	—	—	—	—	—	—	—
#425 SNB optional-HMD req. WD w/o SLM pkg.	2	2	2	2	2	2	2	2
#825 SNB req. WD w/o SLM pkg F Rim device ONLY	2	2	2	2	2	2	2	2
#425 SNB req. w/499F	2	2	2	2	2	2	2	2

98/99 Optional trim

Optional trims – 696

	DT  Dummy trim Pull when dogged (not recommended for fire device)	NL  Night latch Key retracts latchbolt	TP  Thumbpiece Key locks & unlocks	TP-BE  Thumbpiece – blank escutcheon Always operable (no cylinder)
Trim description	696DT	696NL	696TP	696TP-BE
Escutcheon plate size	2 ³ / ₄ " x 10 ³ / ₄ " x 27 ⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 27 ⁷ / ₃₂ " (70x273x21mm)	1 ⁵ / ₈ " x 13 ¹ / ₂ " x 3 ³ / ₁₆ " (41x343x5mm)	1 ⁵ / ₈ " x 13 ¹ / ₂ " x 3 ³ / ₁₆ " (41x343x5mm)
Pull center to center	5 ¹ / ₂ " (140mm)	5 ¹ / ₂ " (140mm)	5 ¹ / ₂ " (140mm)	5 ¹ / ₂ " (140mm)
Projection	2 ¹ / ₆ " (52mm)	2 ¹ / ₆ " (52mm)	2 ¹ / ₆ " (52mm)	2 ¹ / ₆ " (52mm)
ANSI function	02	03	05	15
Cylinder type				
Rim or vertical rod device	–	Rim	Rim	–
Mortise lock device	–	1 ¹ / ₄ " Mortise	1 ¹ / ₄ " Mortise	–
Handing	–	–	–	–
#425 SNB optional-HMD req. WD w/o SLM pkg.	2	2	2	2
#825 SNB req. WD w/o SLM pkg F Rim device ONLY	2	2	2	2
#425 SNB req. w/499F	2	2	2	2

Optional trims – 697

	DT  Dummy trim Pull when dogged (not recommended for fire device)	NL  Night latch Key retracts latchbolt	TP  Thumbpiece Key locks & unlocks (3/4" diameter pull) (19mm)	TP-BE  Thumbpiece – blank escutcheon Always operable (no cylinder) (3/4" diameter pull) (19mm)
Trim description	697DT	697NL	697TP	697TP-BE
Escutcheon plate size	2 ³ / ₄ " x 10 ³ / ₄ " x 27 ⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 27 ⁷ / ₃₂ " (70x273x21mm)	1 ⁵ / ₈ " x 13 ¹ / ₂ " x 3 ³ / ₁₆ " (41x343x5mm)	2 ³ / ₄ " x 10 ³ / ₄ " x 27 ⁷ / ₃₂ " (70x273x21mm)
Pull center to center	5 ¹ / ₂ " (140mm)	5 ¹ / ₂ " (140mm)	5 ¹ / ₂ " (140mm)	5 ¹ / ₂ " (140mm)
Projection	3" (76mm)	3" (76mm)	3" (76mm)	3" (76mm)
ANSI function	02	03	05	15
Cylinder type				
Rim or vertical rod device	–	Rim	Rim	–
Mortise lock device	–	1 ¹ / ₄ " Mortise	1 ¹ / ₄ " Mortise	–
Handing	–	–	–	–
#425 SNB optional-HMD req. WD w/o SLM pkg.	2	2	2	2
#825 SNB req. WD w/o SLM pkg F Rim device ONLY	2	2	2	2
#425 SNB req. w/499F	2	2	2	2

98/99 Optional trim

HL6 Hospital pull



Von Duprin and Glynn-Johnson have collaborated on an exit device trim that answers the problem of accessibility and performance. Using the Von Duprin 98/9975 mortise lock exit device along with the Glynn-Johnson HL6 push/pull latch, Allegion has created an exit device with mortise lock durability that utilizes a fully ADA compliant Pull paddle trim. The 98/9975HL device is available in all standard architectural finishes. Consult the Glynn-Johnson catalog for complete product information.

392-7 Offset pull



The 392-7 Offset pull is $\frac{3}{4}$ " round stainless steel, with a 7" center to center which matches the 98/99 center case. Often used with a night latch operation. $3\frac{1}{2}$ " (89mm) offset with $1\frac{1}{2}$ " (38mm) clearance.

Vandal resistant trim: IVES VR910 & VR914 Series

VR910 grip coated in black plastisol for softer touch and resilience to temperature extremes. Grip designed for comfortable operation. VR914 grip in all stainless steel.



Features:

- Stainless steel construction, 11 gauge (0.120" thick)
- Finish: US32D, only
- Thru-bolts and rugged mounting screws for maximum fastening strength.
- Built-in lock protector prevents vandalism to mortise latchbolt (available on certain models).
- Extra-tough stainless steel cylinder collar prevents pipe wrench or similar tool from damaging cylinder. Tapered design prevents side impacts from transferring directly to cylinder. Collar spins freely.
- Furnished with mounting screws for door thicknesses of $1\frac{3}{4}$ " to $2\frac{1}{4}$ "

Model	For use with	Size
VR910DT & VR914DT	98/99 Rim or vertical rod device	5 $\frac{1}{2}$ " (133mm) w x 11" (279mm) h
VR910NL & VR914NL	98/99 Rim or vertical rod device	5 $\frac{1}{2}$ " (133mm) w x 11" (279mm) h
VR910M-DT & VR914M-DT	9875/9975 Mortise device	7 $\frac{1}{4}$ " (184mm) w x 11" (279mm) h
VR910M-NL & VR914M-NL Handing required	9875/9975 Mortise device	7 $\frac{1}{4}$ " (184mm) w x 11" (279mm) h

- Meets ANSI/BHMA 156.13, Trim security test and California State Accessibility Standards Title 24.
- $1\frac{1}{2}$ " (38mm) clearance from grip to door, total projection $1\frac{7}{8}$ " (48mm)
- Consult the IVES catalog for complete product information.

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Schlage AD-Series

AD-Series adaptable electronic locks

The AD-Series was designed to be the right choice for today, and is ready to adapt to whatever the future holds.

There are a variety of options that allow you to select the AD-Series electronic lock that's right for you, and a wide selection of features that can be configured in the field to further customize each opening. When your needs change in the future, the innovative modular design of the AD-Series allows you to easily upgrade the credential reader or networking option, and adapt to emerging technologies using your existing chassis – all without taking the lock off the door. This means that you can be confident that your choice of the AD-Series is right for today, and that your investment will be protected into the future.



Credential reader options

AD-Series electronic locks are compatible with many different brands and technologies of credentials.



- Multi-technology (reads 125 kHz prox and 1 3.56 MHz smart)
 - + KEYPAD
- Magnetic stripe (insertion)
 - + KEYPAD
- Magnetic stripe (swipe)
 - + KEYPAD
- Keypad

Communications options

Networked

In facilities where increased monitoring and control are needed, a networked solution is essential. The AD-Series networked options feature:

- Open architecture platform
- Acceptable reader technology
- Real-time monitoring

The AD-Series networked lock is available in either a wireless or hardwired configuration to fit your application needs.

- AD-300** Networked hardwired locks
- AD-301** Networked hardwired FIPS 201-1 compliant locks
- AD-400** Networked wireless locks
- AD-401** Networked wireless FIPS 201-1 compliant locks

Standalone

Standalone locks are a cost-effective solution for doors that do not require real-time monitoring. The AD-Series standalone solution provides:

- Upgradability
- Improved credential management
- Audit trail reports

Schlage offers two AD-Series standalone solutions to fit your environment:

- AD-200** Access rights are stored on the lock
- AD-250** Access rights are stored on the magnetic stripe credential

Chassis

- Cylindrical
- Mortise
- Mortise deadbolt
- Exit trim*

Locking functions

- Classroom/Storeroom
- Office
- Privacy
- Apartment

Lever styles



Sparta

Rhodes

Athens

Tubular

Warm Tone Finishes



605
Bright brass

606
Satin brass

612
Satin bronze

643e
Aged bronze

Cool Tone Finishes



619
Satin nickel

625
Bright
chrome

626
Satin chrome

626AM
Satin chrome
with antimicrobial

Certifications

- ANSI/BMHA A156.25
- ANSI/BHMA Grade 1
- UL 294 Listed
- UL 10C
- ADA
- FCC part 15
- RoHS
- FIPS 201-1 (AD-301 and AD-401)

Complete your system

Complete your AD-Series system with readers and credentials, biometric hand geometry readers, system components, HHD programming device and other wireless accessories.

*See AD-Series exit trim compatibility Datasheet for complete list of compatibility by manufacturer.

Schlage CO-Series

CO-Series electronic locks from Schlage

In the world of standalone electronic locks, nothing compares to the CO-Series from Schlage. And because CO-Series locks offer a wide variety of options, it's easy to find the right solution for any facility. For openings with a relatively small number of users, we recommend the CO-100. It's an offline keypad programmable lock. For larger applications try the CO-200 or CO-250. They're computer programmable locks that can provide audit trails. They also offer dual credential options (card+PIN) that provide an even greater level of security.



Compatible

The CO-Series was designed to easily integrate into your facility. It can work in conjunction with Schlage and Locknetics electronic locks and offers expanded cylinder, exit device, and credential compatibility.

Exit device compatibility*

	Rim	SVR	CVR/CVC	Mortise
Von Duprin 98/99 & 98/99 XP	✓	✓	✓	✓
Von Duprin 22/22F	✓	✓		
Falcon 25	✓			

*See AD-Series Exit trim compatibility datasheet for complete list of compatibility by manufacturer.

Cylinder compatibility

	Full size key-in-lever 6 pin	Full size key-in-lever 7 pin	FSIC 6 & 7 pin	SFIC 6 & 7 pin
Schlage	●		●	●
Falcon	▲	*		
Sargent® (10L + 11L full size)	▲		▲	▲
Corbin Russwin®			▲	▲
Yale® (includes Medeco 31*0100 FSIC)			▲	▲
Best®				▲

● = with cylinder or less cylinder options

▲ = less cylinder only

* = less cylinder, only with Sparta and Rhodes levers

Note: See price book for specific configurations

Credential compatibility

The CO-Series is compatible with many different brands and credential technologies.

For customers with an installed base of iButtons®, a combo proximity keyfob with iButton option is available to make an easy transition to proximity technology.

Class

CO-100

- Manually programmable • User rights stored on the lock
- Keypad only

CO-200 (shown)

- Computer or manually programmable
- User rights stored on the lock

CO-250

- Computer programmable • User rights stored on the card

Readers

- Keypad
- Magnetic stripe (swipe)
- Proximity
- Magnetic stripe plus keypad (swipe)
- Proximity plus keypad

Lever styles



Sparta

Rhodes

Athens

Tubular

Chassis

- Cylindrical
- Mortise
- Mortise deadbolt
- Exit Trim

Power

- 4 standard off the shelf (AA) batteries

Functions

- Classroom/storeroom
- Privacy
- Office

Warm tone finishes



605
Bright brass

606
Satin brass

612
Satin bronze

643e
Aged bronze

Cool tone finishes



619
Satin nickel

625
Bright chrome

626
Satin chrome

626AM
Satin chrome with antimicrobial

Reliable

When it comes to securing your facility, you can't afford to take chances. CO-Series locks are tested to the highest quality and reliability standards in the industry, including:

- NSI/BHMA A156.25 & ANSI/BHMA Grade 1
- UL 294
- UL 10C
- ADA

98/99 Strike/Stile information

Device type	Standard single door			Standard double door			Optional single door			Optional double door		
	Strike	Trim/Stile		Strike w/ mullion*	Trim/Stile		Strike	Trim/stile		Strike w/mullion*	Trim/Stile	
98/99	299	990/996	696/697		990/996	696/697		990/996	696/697		990/996	696/697
		4 1/2" (114mm)	4 3/8" (111mm)	299 x 4954	4 7/8" (124mm)	4 3/4" (121mm)	1439 or 1410	3 13/16" (97mm)	3 13/16" (97mm)	299 x 5654	4 7/16" (113mm)	4 1/4" (108mm)
							1606	4 1/16" (103mm)	3 13/16" (100mm)	1408 x 5754	3 13/16" (97mm)	3 13/16" (97mm)
										1606 x 1654	4 3/8" (112mm)	4 1/4" (108mm)
909 x 4954-XP	—	—	—	—	—							
XP 98/99	909											
98-F/99-F	299F	4 1/2" (114mm)	4 3/8" (111mm)	499F x 9954	4 7/8" (124mm)	4 3/4" (121mm)	—	—	—	499F x 9854 KR9954	—	—
XP98-F/XP99-F	909			954 x 9954-XP			—	—	—	—	—	
9875	575	4 3/4" (121mm)	4 3/4" (121mm)	575-2	—	—	—	—	—	576A-576B	4 3/4" (121mm)	4 3/4" (121mm)
9875-F	575	4 3/4" (121mm)	4 3/4" (121mm)	575-2	—	—	—	—	—	576A-576B	4 3/4" (121mm)	4 3/4" (121mm)
9857 9957	299 (Top)	4 1/2" (114mm)	4 3/8" (111mm)	299 x 4954	4 7/8" (124mm)	4 3/4" (121mm)	1439 or 1410	3 13/16" (97mm)	3 13/16" (97mm)	299 x 5654	4 7/16" (113mm)	4 1/4" (108mm)
	299 (Middle)						1606	4 1/16" (103mm)	3 13/16" (100mm)	1408 x 5754	3 13/16" (97mm)	3 13/16" (97mm)
	304L/284-L (Bottom)									1606 x 1654	4 3/8" (112mm)	4 1/4" (108mm)
9857-F 9957-F	299 (Top) 299F (Middle) 304L (Bottom)	4 1/2" (114mm)	4 3/8" (111mm)	299F 499F x 9954 304L	4 7/8" (124mm)	4 3/4" (121mm)	—	—	—	—	—	—
	Strike	Application			Trim/Stile		Optional strike			Application	Trim/Stile	
9827 9927	299 (Top) 304L/248-L-4 (Bottom)	Single door			990/996	696/697	260U (Top) 385A (Bottom)			Single door	990/996	696/697
PL9827/PL9927	299 (Top) 304L/248-L-4 (Bottom)	Two vertical rod devices			3 11/16" (94mm)	3 5/8" (92mm)	260U (Stainless) 385A (Bottom)			Two vertical rod devices	3 11/16" (94mm)	3 5/8" (92mm)
9827-F 9927-F	299 (Top) 304L (Bottom)	Vertical rod with Mortise lock device			4 3/4" (121mm)	4 3/4" (121mm)	304L (Bottom)			Vertical rod with Mortise lock device	4 3/4" (121mm)	4 3/4" (121mm)
9847 9947 9848 9948	338 (Top) 385A (Bottom)	Two vertical rods			4 1/4" (108mm)	4 1/8" (105mm)	304L (Bottom)			Two vertical rods	4 1/4" (108mm)	4 1/8" (105mm)
9847-F 9947-F 9848-F 9948-F	338 (Top) 385A (Bottom)	Vertical rod with Mortise lock device			4 3/4" (121mm)	4 3/4" (121mm)				Vertical rod with Mortise lock device	4 3/4" (121mm)	4 3/4" (121mm)
9847WDC 9947WDC	338 (Top) 385A (Bottom)	Single door			4 1/4" (108mm)	4 1/8" (108mm)	304L			Single door	4 1/4" (108mm)	4 1/8" (108mm)
		Two vertical rod devices			4 1/4" (108mm)	4 1/8" (108mm)				Two vertical rod devices	4 1/4" (108mm)	4 1/8" (108mm)
		Vertical rod with Mortise lock device			4 3/4" (121mm)	4 3/4" (121mm)				Vertical rod with Mortise lock device	4 3/4" (121mm)	4 3/4" (121mm)
9847WDC-F 9947WDC-F	338 (Top) 385A (Bottom)	Two vertical rod devices			4 1/4" (108mm)	4 1/8" (108mm)	304L			Two vertical rod devices	4 1/4" (108mm)	4 1/8" (108mm)
9849 9949	249 (Top) 349 (Bottom)	Vertical cable with Mortise lock device			4 3/4" (121mm)	4 3/4" (121mm)	—			Vertical cable with Mortise lock device	4 3/4" (121mm)	4 3/4" (121mm)
9849-F 9949-F 9849-F 9949-F	249 (Top) 349 (Bottom)	Two vertical cables			4 1/4" (108mm)	4 1/8" (108mm)	—			Two vertical cable	4 1/4" (108mm)	4 1/8" (105mm)
		Vertical cable with Mortise lock device			4 3/4" (121mm)	4 3/4" (121mm)				Vertical cable with Mortise lock device	4 3/4" (121mm)	4 3/4" (121mm)
9849WDC 9949WDC	249 (Top) 349 (Bottom)	Single door			4 1/4" (108mm)	4 1/8" (108mm)	—			Single door	4 1/4" (108mm)	4 1/8" (108mm)
		Two vertical cable devices			4 1/4" (108mm)	4 1/8" (108mm)				Two vertical Cable devices	4 1/4" (108mm)	4 1/8" (108mm)
		Vertical cable with Mortise lock device			4 1/4" (108mm)	4 1/8" (108mm)				Vertical cable with Mortise lock device	4 3/4" (121mm)	4 3/4" (121mm)
9849WDC-F 9949WDC-F	249 (Top) 349 (Bottom)	Two vertical cable devices			4 1/4" (108mm)	4 1/8" (108mm)	—			Two Vertical Cable Devices	4 1/4" (108mm)	4 1/8" (108mm)

Strike options / Dogging options

98/99 Strike information

Strikes for rim devices

264 <p>Projection $\frac{9}{16}$" (14mm)</p>	299 <p>Projection $\frac{13}{16}$" (21mm)</p>	299F <p>Projection $\frac{13}{16}$" (21mm)</p>	499F <p>Projection $\frac{15}{16}$" (24mm)</p>	1408 <p>One per pair of doors</p>
1439-Blade stop <p>Projection $\frac{1}{2}$" (13mm)</p>	1410-Integral stop <p>Projection $\frac{1}{2}$" (13mm)</p>	1606 <p>Projection $\frac{3}{8}$" (10mm) Panic devices only</p>	1609 <p>Projection $\frac{3}{8}$" (10mm) - Requires coordinator - For panic exit application only, not fire rated</p>	

XP Strikes for rim devices

909 <p>Projection $\frac{13}{16}$" (21mm)</p>	954 <p>Projection $\frac{7}{8}$" (22mm) - For fire rated double door applications</p>
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Strikes for vertical cable devices

249 - Top strike <p>Projection $\frac{9}{16}$" (14mm)</p>	349 - Bottom strike <p>Projection $\frac{1}{8}$" (3mm)</p>
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Strikes for vertical rod devices

248L-4 <p>Projection $\frac{3}{8}$" (10mm)</p>	260U-Flush transom panic only 260U-F-Flush transom fire only <p>Projection $\frac{3}{8}$" (10mm)</p>	299 <p>Projection $\frac{13}{16}$" (21mm)</p>	299F <p>Projection $\frac{13}{16}$" (21mm)</p>	499F <p>Projection $\frac{15}{16}$" (24mm)</p>
304L <p>Projection $\frac{13}{16}$" (21mm)</p>	338 <p>Mortise $\frac{5}{8}$" (16mm)</p>	385A <p>Mortise $\frac{1}{2}$" (64mm)</p>	283 <p>For use with WDC devices when used with wood frames</p>	

Strikes for mortise lock devices

575 <p>For use on $\frac{13}{4}$" (44mm) or $\frac{21}{4}$" (57mm) Single door and $\frac{21}{4}$" (57mm) double door with coordinator.</p>	575-2 <p>For use on $\frac{13}{4}$" (44mm) thick double door with coordinator and astragal.</p>	576A <p>Open back strike for $\frac{13}{4}$" (44mm) thick double doors without coordinator.</p>	576B <p>Open back strike for $\frac{21}{4}$" (57mm) thick double doors without coordinator.</p>
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- Not for use with astragals
- For use on wood doors, contact door manufacturer

- Acceptable for 90 minute pair of hollow metal doors

98/99 Dogging options

CDSI/HDSI dogging indicators



Indicator provides an at-a-glance verification of the status of the door from inside of the room. Visible "LOCKED" and "UNLOCKED" indicators show whether the device is undogged or dogged. This feature can be used with Hex key (HDSI) or Cylinder dogging (CDSI) options

on various device types – rim, mortise and vertical systems.

- Modular conversion kits allow you to quickly and easily upgrade your existing devices
- Available for 98/99 & 33A/35A Series panic devices

To order, specify:

- Use prefix, CDSI or HDSI, example CDSI99L

CD Cylinder dogging



Cylinder dogging is available on all 98/99™ Panic exit devices to replace the standard hex key dogging. Unit requires a standard 1¼" (32mm) mortise cylinder with an inverted straight cam (Schlage Cam B502-191 reference).

To order, specify:

- Use prefix, CD, example CD99L

CDK Cylinder dogging kit*

For field conversion, a cylinder dogging conversion kit is available.

To order, specify: 99CDK or 98CDK, specify finish.

*Cannot be added to fire exit hardware.

HDK Hex key dogging kit*



For field conversion, a hex key dogging conversion kit is available.

To order, specify: 99HDK or 98HDK, specify finish.

*Cannot be added to fire exit hardware.

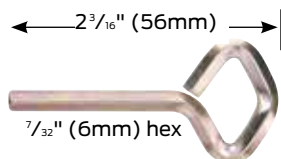
LD Less dogging

Less dogging is available in all 98/99™ Panic exit devices to remove the dogging option.

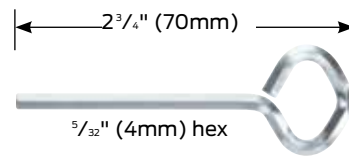
To order, specify: Use prefix LD, example LD99L

Dog keys

Dog key (old style)



Dog key (standard)



-2SI Double cylinder with security indicator



The Von Duprin Classroom Security Indicator provides an at-a-glance verification of the locked/unlocked status of the door from inside of the room. This option can be ordered as a new product or as a retrofit conversion kit to an existing 98/99 device. Indicator in Unlocked state presents a ½" x ½" metal flag (white background with black icon) at top of device head. Indicator in Locked state has no flag present.

To order, specify:

1. Suffix-2SI with device/trim number, example 99L-2SI.
 2. Handing required, LHR or RHR.
 3. *Specify keyed rim cylinder or thumbturn rim cylinder.
- * Rim cylinder (3216) sold separately. Rim cylinder with thumbturn available from Schlage (part #XB11-979).

SD Special center case dogging



Special cylinder dogging in the center case is available for Chexit, EL, QEL, ALK panic devices to allow for mechanical push/pull operation. With this option, the latchbolt is held retracted and pushbar is still operable. Specify handing—RHR or LHR.

SD requires 1¼" (32mm) mortise cylinder with an inverted straight cam. (Schlage cam reference 20-001-XQ11-949.)

Note: Available on Rim and Vertical Rod Panic Exit Devices only.

To order, specify:

- Use prefix SD, example SD99L and Handing
- Not for 98/9975 Devices

Double cylinder



Double cylinder features an inside key cylinder which locks or unlocks the outside trim and an outside key cylinder which retracts the latch bolt only (Night latch function). Available on rim or mortise lock device.

Rim requires two rim type cylinders. Mortise device requires 1 rim cylinder and 1 mortise cylinder 1¼" with a straight cam. (Schlage cam reference B502-191.)

Available functions are thumbpiece, knob or lever.

To order, specify:

1. Suffix-2 with device/trim number, example 99TP-2.
2. Handing required, LHR or RHR.

98/99 Electrical options

RX Request to exit

The RX (2xit) feature is used to signal the use of an opening. This device is equipped with one internal SPDT switch which monitors the pushpad.

The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply.

The RX switch option should not be used to control a load, but as a signalling switch (0.5 amps. resistive maximum).

The RX switch is available in a low current (LC) switch. Most commonly used in computer operated monitoring systems.

To order, specify:

- Standard – use prefix RX, example RX99EO
- Low Current – use prefix RX-LC, example RX-LC98EO

RX2 Double request to exit

The RX2 feature uses two RX switches.

To order, specify:

- Standard – Use prefix RX2, example RX299EO

WP-RX Waterproof request to exit

LX Latchbolt monitoring



The LX feature is used to signal the use of an opening. This device is equipped with one internal SPDT switch which monitors the latch bolt.

The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply.

The LX switch option should not be used to control a load, but as a signalling switch (0.5 amps. resistive maximum).

The LX switch is available in a low current (LC) switch. Most commonly used in computer operated monitoring systems.

To order, specify:

- Standard – Use prefix LX, example LX99EO
- Low Current – Use prefix LX-LC, example LX-LC98EO

Electrical rating for all switches:

- Standard – 2 Amp maximum @ 24VDC
- Low Current (LC) - below 50 Milliamps @ 24VDC

Note: All switches can be either factory or field installed



SS Signal switch

Monitors pushpad and latch bolt

The SS feature is used to signal the unauthorized use of an opening. This device is equipped with two internal SPDT switches. One switch monitors both the pushpad and the latch bolt assembly, making the latch bolt tamper resistant, for positive security. An additional SPDT switch is connected to the 1 1/4" (32mm) mortise cylinder with straight cam for alarm "bypass." (Schlage cam reference B502-191). The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply.

Pushpad reads: "Emergency Exit ONLY – Push To Open And Sound Alarm." Pushpad is only available in US32D finish with red silk-screened lettering.

The SS mortise lock device is furnished with both the signal switch device and the SS7500 mortise lock. The SS7500 mortise lock has the versatility and advantages of the 7500 lock with the addition of signalling functions to monitor latch bolt operation and the trim locking function. The SS7500 mortise lock is supplied standard with the SS mortise lock device.

To order, specify:

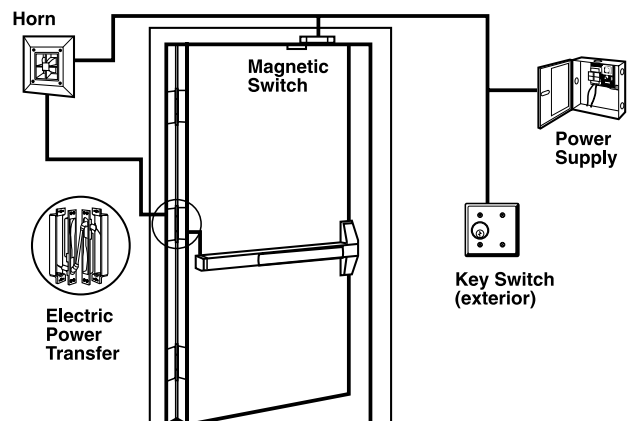
1. Prefix SS, example SS99L.
2. Handing required, LHR or RHR.

Electrical ratings:

Up to 2.0 AMPS @ 24VDC

Popular SS application

Unauthorized use of this opening will activate the local horn. The key switch permits inhibiting this system for authorized entry.



98/99 Chexit device

CX The Chexit® (with motor driven blocking actuator)*



The Von Duprin Chexit device is designed for controlled egress applications. It meets both life safety and security needs, as well as the requirements of NFPA 101 for "Special Locking Arrangement" and IBC "Special Egress-Control Devices". All control inputs, auxiliary locking, local alarm and remote signaling outputs are self-contained in the Chexit assembly. Numerous configurable options allow the device to be customized for the specific code or application requirements. The standard Chexit device sounds an alarm and keeps the door secured for 15 seconds following an exit attempt with immediate release upon fire.

The Chexit device includes a 6" x 20" decal for application on door.

"PUSH UNTIL ALARM SOUNDS.
DOOR CAN BE OPENED IN 15 SECONDS"

Chexit typical applications

Chexit single door with options – The Chexit is used as an access control device. The card reader allows access. Also shown in this application is an external horn and door position switch. The auxiliary horn is used for increased volume in remote locations. Using a door position switch gives added security to the opening in case the door is not reclosed.

With the Chexit disarmed, the opening functions as a normal exit device. If card readers are required on both sides of the door, the normally closed contacts of the readers should be wired in series.

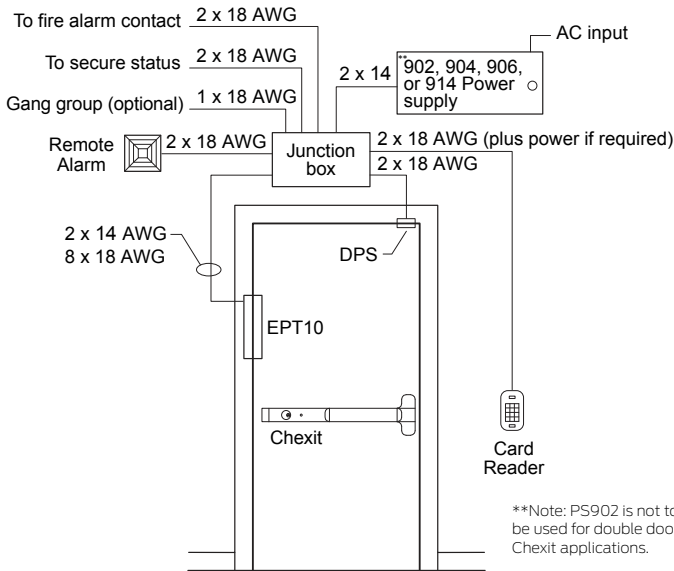


Figure 1. Riser Diagram, Single Door

Minimum door opening sizes for CX devices

Consult factory for other size requirements.

Device	3' (914mm) Length	4' (1219mm) Length
CX98/98-F/99/99-F	2'10 3/4" (883mm)	3'4 3/4" (1035mm)
CX-XP98/XP98-F/XP99/XP99-F	2'10 3/4" (883mm)	3'4 3/4" (1035mm)
CX9827/9827-F/9927/9927-F	2'10 1/4" (870mm)	3'4 1/4" (1022mm)
CX9847/9847-F/9947/9947-F	2'10 1/4" (870mm)	3'4 1/4" (1022mm)
CX9848/9848-F/9948/9948-F	2'10 1/4" (870mm)	3'4 1/4" (1022mm)
CX9849/9849-F/9949/9949-F	2'10 1/4" (870mm)	3'4 1/4" (1022mm)
CX9850/9850WDC-F/ 9950/9950WDC-F	2'10 1/4" (870mm)	3'4 1/4" (1022mm)
CX9857/9857-F/9957/9957-F	2'10 1/4" (870mm)	3'4 1/4" (1022mm)
CX9875/9875-F/9975/9975-F	2'10 1/4" (870mm)	3'4 1/4" (1022mm)

Specifications / Power supply requirements*

Input voltage – 24VDC

Input current inrush – 1.25A

Input current holding – 390mA

Alarm relay and Secure relay contact ratings – 24VDC, 1A

Fire alarm, Inhibit and Door position switch inputs require normally closed dry contacts.

Power supply information for CX devices with motor driven blocking actuator*.

Power supply	Maximum number of devices
PS902 (up to 2 amps)	1 Chexit device
PS904 (up to 4 amps)	3 Chexit devices
PS906 (up to 6 amps)	4 Chexit devices
PS914 (up to 4 amps)	4 Chexit devices

When powering multiple components, verify that the amperage requirements of all components combined does not exceed the power supply output rating, see table above for output ratings. Consult Installation Instructions for proper wire gauge and wire run requirements. Exceeding the recommended devices and/or not following Installation Instructions may void your warranty. Call Customer Care at 877-671-7011 or visit the Allegion website for more information - www.us.allegion.com.

How to order*

To order, specify:

1. Prefix product description number "CX".
Example: CX99L
2. Specify option (see options on page 60).
Example: CX-RCM or CD-CX
3. Door size other than 3' (914mm).
4. Door thickness other than 1 3/4" (45mm).
5. Finish.
6. Handing, LHR or RHR. Required with "CD" option.

*Note: Chexit devices built after August 24, 2015 are built using motor driven blocking actuators that have decreased power supply and operating requirements. The information listed in this catalog references the power supply and operating requirements that are needed for the new products with motor driven blocking actuators. For information on devices built previous to August 24, 2015, please contact Customer Care at 877-671-7011.

98/99 Chexit, RCM and DE5300 features

The Chexit, Remote Chexit Module (RCM) or DE5300 devices have several features and options available to fit your applications. See below for more information.

Inputs & Outputs

Fire Alarm Input

This input releases the door immediately upon a fire alarm allowing immediate egress. The Internal Alarm can be silenced during a fire input via an onboard switch setting.

Inhibit Input (Access Control)

This optional input is provided to allow authorized egress or entry when the device is Armed using an external card reader, Key Switch, etc. It also allows remote reset of the Chexit, RCM or DE5300 in an alarmed condition. The ability to reset alarms with the inhibit input can be disabled via an onboard switch setting.

Door Position Switch Input

An optional Door Position Switch (DPS) can provide door position status to Chexit, RCM or DE5300 for additional security, ensuring that the door is closed, and can cause alarm when the door is left or forced open.

Gang Bus

The Gang bus allows a Chexit, RCM or DE5300 device to signal other Chexit, RCM or DE5300 devices when it enters the Release Delay, allowing multiple doors to release at the same time in an emergency. Up to 8 devices may be connected to the Gang Bus.

Alarm Relay Contacts

The Alarm Relay contacts are provided as a means to control a Remote Alarm, such as a horn or lamp, or signal an external monitor. The contacts can be configured with a jumper as Normally Open or Normally Closed, and become active upon entering an alarmed condition.

Secure Relay Contacts

The Secure Relay contacts are provided as a means to signal an external monitor. The contacts can be configured as Normally Open or Normally Closed with a jumper, and become active when the DPS indicates the door is closed and the Push Pad is locked.

Delays

Release Delay

When the Push Pad is pushed and the Nuisance Delay expires, the Chexit, RCM or DE5300 enters the Release Delay with alarm. During the Release Delay, the Internal Alarm sounds, the Alarm Relay activates, and the Chexit/RCM keeps the Push Pad or DE5300 magnetic lock, locked for 15 seconds (less any time already elapsed during the Nuisance Delay). Once started, the Release Delay sequence will not stop and the devices will unlock.

Nuisance Delay

When a Chexit, RCM or DE5300 is located in a public area, it can be desirable to limit false releases when the Push Pad is accidentally pushed. The Nuisance Delay is the brief time a Push Pad can be accidentally pushed before the Release Delay sequence starts. If the Nuisance Time is set to 0 seconds the Chexit, RCM or DE5300 will enter Release Delay as soon as the Push Pad is pushed (when armed). Setting the Nuisance Time to 1, 2, or 3 seconds allows the Push Pad to be pressed for 1 to 3 seconds before the Chexit, RCM or DE5300 goes into Release Delay. If the Nuisance Audio and Nuisance Delay are both on, the Internal Alarm will pulse during the Nuisance Delay. The Alarm Relay does not activate during the Nuisance Delay. If the Push Pad is released before the Nuisance Delay expires, the Chexit, RCM or DE5300 will remain armed.

Rearm Delay

The Rearm Delay is the amount of time after the Key Switch or Inhibit Input is deactivated to when the device rearms. It is designed to give someone time to pass through the door before rearming occurs. The Rearm Time can be changed via the onboard switch settings from 0 and 28 seconds in 2 second increments. If the Rearm Time is set to 30 seconds and a DPS is used, if the door is opened and the Rearm Time expires, there will be no alarm. The Chexit, RCM or DE5300 will rearm after the door is closed. If the door never opens, the Chexit, RCM or DE5300 will rearm after 30 seconds. If not using a DPS, the Chexit, RCM or DE5300 will always rearm in 30 seconds.

DPS Delay

If the DPS detects that the door closed during the Rearm Delay, the Chexit, RCM or DE5300 ends the Rearm Delay and allows 2 seconds for the latch to clear the strike before rearming.

Interface

Key Switch

The Key Switch provides the means to Arm or Disarm/Reset the Chexit, RCM or DE5300. Turning the Key Switch clockwise initiates the Rearm Delay, and turning the Key Switch counter-clockwise Disarms/Resets the Chexit, RCM or DE5300. The Key Switch allows the key to be removed in either the Arm or the Disarm/Reset position.

Status Indicator

The red Status Indicator displays the status of the Chexit, RCM or DE5300. The Status Indicator flashes slow if the Chexit, RCM or DE5300 is armed, flashes fast in an alarmed mode, is off when inhibited and on solid during Rearm Delay.

Internal Alarm

The Internal Alarm sounds the status of the Chexit, RCM or DE5300. The Internal Alarm sounds continuously during and after a fire alarm or a Release Delay, pulses fast during the Nuisance Delay or a tamper and pulses slow during Disarmed Powerup mode.

Settings

Armed Powerup

When set to OFF, a power disruption and power return will put the Chexit, RCM or DE5300 in a disarmed, unlocked alarm mode.

Trim Fail Safe / Fail Secure (FS/FSE)

The trim input power can be set to FS (Fail Safe; locked when energized, unlocked when deenergized or during power failure) or FSE (Fail Secure; unlocked when energized, locked when deenergized or during power failure).

The trim must be bought or modified to physically function as FS or FSE. This on board setting only selects the trim input power.

98/99 Chexit options

RCM Remote Chexit Module — is designed to provide the concept of the Chexit delayed exit system for door sizes smaller than the standard Chexit device can accommodate. The Chexit module is installed in a control box and mounted in a remote location. Features and functions of the standard Chexit exit device are available on the Remote Chexit Module.



RCM Module

Minimum door opening sizes for RCM devices

Consult factory for other size requirements.

Device	3' (914mm) Length	4' (1219mm) Length
CX-RCM 98/98-F/99/99-F	2'5" (737mm)	2'11" (889mm)
CX-RCM XP98/XP98-F/XP99/XP99-F	2'5" (737mm)	2'11" (889mm)
CX-RCM 9827/9827-F/9927/9927-F	2'4 1/2" (724mm)	2'10 1/2" (876mm)
CX-RCM 9847/9847-F/9947/9947-F	2'4 1/2" (724mm)	2'10 1/2" (876mm)
CX-RCM 9848/9848-F/9948/9948-F	2'4 1/2" (724mm)	2'10 1/2" (876mm)
CX-RCM 9849/9849-F/9949/9949-F	2'4 1/2" (724mm)	2'10 1/2" (876mm)
CX-RCM 9850/9850WDC-F/ 9950/9950WDC-F	2'4 1/2" (724mm)	2'10 1/2" (876mm)
CX-RCM 9857/9857-F/9957/9957-F	2'4 1/2" (724mm)	2'10 1/2" (876mm)
CX-RCM 9875/9875-F/9975/9975-F	2'5 1/2" (743mm)	2'11 1/2" (902mm)

Specifications / Power supply requirements*

Size – 3.75" x 5.57" x 2.50"

Input voltage – 24VDC

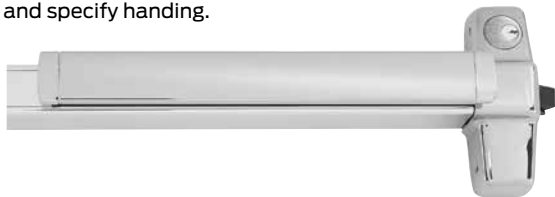
Input current inrush – 1.25A

Input current holding – 390mA

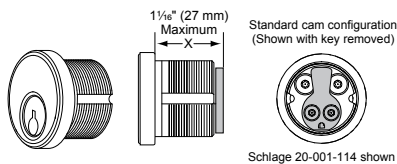
Alarm relay and Secure relay contact ratings – 24VDC, 1A

Fire alarm, Inhibit and Door position switch inputs require normally closed dry contacts.

Cylinder dogging — Special center case cylinder dogging option is available to allow push/pull operation of the Chexit, when disarmed and used in a heavy traffic area. Prefix device with "CD" and specify handing.



Cylinders — Cylinders are not furnished with the Chexit device and must be specified when ordering. Use 1 1/4" mortise cylinder with compression ring K510-406 with straight cam and orient cam as shown. Schlage cylinder 20-001-114 recommended for the device and the CD cylinder dogging option. See Schlage Pricebook for additional information.



How to order*

See Chexit "How to order" on page 58.

*Note: RCM modules built after August 24, 2015 are built using motor driven blocking actuators that have decreased power supply and operating requirements. The information listed in this catalog references the power supply and operating requirements that are needed for the new products with motor driven blocking actuators. For information on devices built previous to August 24, 2015, please contact Customer Care at 877-671-7011.

DE5300 Delayed Egress System

DE5300 Delayed Egress System — is designed for controlled egress applications when used in conjunction with a magnetic lock. It meets both life safety and security needs, as well as the requirements of NFPA for "Special Locking Arrangement" and IBC "Special Egress-Control Devices". All control units, auxiliary locking, local alarm and remote signaling outputs are self-contained in the DE5300 assembly.



DE5300 Module

The DE5300 is commonly used on narrow stile doors where a standard or narrow stile Chexit is not practical. DE5300 Delayed Exit System uses a Chexit logic board and a Von Duprin RX-LC (low current request to exit) panic device to control a Schlage Electronics Direct Hold Magnetic Lock.

The Chexit module for the DE5300 is installed in a control box and mounted in the wall adjacent to the door. Features and functions of the standard Chexit exit device are available on the DE5300.

The DE5300 device includes a 6" x 20" decal for application on door.

"PUSH UNTIL ALARM SOUNDS.
DOOR CAN BE OPENED IN 15 SECONDS"

Cylinders — Cylinders are not furnished with the DE5300 and must be specified when ordering. Use 1 1/4" mortise cylinder with compression ring K510-406 with straight cam and orient cam as shown. Schlage cylinder 20-001-114 recommended for the device and the CD cylinder dogging option. See Schlage Pricebook for additional information.

Specifications / Power supply requirements

Size - 3.75" x 5.57" x 2.50"

Input voltage – 24VDC

Input current – 1A

Alarm relay and Secure relay contact ratings – 24VDC, 1A

Fire alarm, Inhibit and Door position switch inputs require normally closed dry contacts.

How to order

To order, specify:

- DE5300
- M420/P, M450/P, or M490/P magnetic lock (order direct from Schlage Electronics).
- RX-LC 22/33A/35A/98/99 device.
- PS900 Series
- EPT-2/10

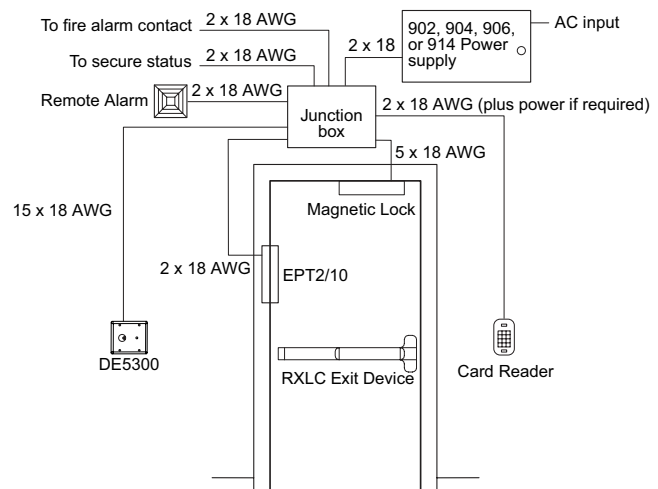


Figure 1. Riser Diagram, Single Door

98/99 Electrical options

ALK Alarm kit



ALK Alarm kit is a simple yet effective way to deter unauthorized use of an opening. While the exit device is still a means of egress, the ALK kit contains an internal horn. When the touch bar is depressed, the horn sounds to provide an audible means of signaling that the opening has been violated. The alarm kit can be armed or disarmed by key thus allowing the exit device to be set in an armed or disarmed mode. The horn is rated at 85 decibels.

For Hardware Applications

The assembly includes both a 24VDC Input and External Inhibit standard. The External Inhibit provides remote arming and dis-arming.

The key switch uses a standard 1 1/4" (32mm) mortise cylinder with a straight cam (Schlage 20-001, B502-191 cam). The unit operates on one standard 9-volt alkaline battery. When the battery is weak, the horn will emit an intermittent low battery alert signal.

Auto reset (AR) option is available with this kit. This kit allows the device to resume the alarm option after a preset time. Preset times can be field selected at 1.5, 3, or 4.5 minutes.

Alarm kits are available with a choice of two switch kits, RX or LX. RX monitors the touchpad and is furnished standard. LX optional latch bolt monitoring is recommended for use with surface vertical rod exit devices or when alarm needs to sound from both the exit device and trim side of the door. Specify ALK-LX.

Note: For latch bolt monitoring on a 98/9975 with ALK, specify a SS7500 lock. LX switch not available for 98/9975 devices.

The ALK is available in two styles, 99ALK, grooved cover and 98ALK, smooth cover.

The ALK includes a 6" x 20" decal for application on door "EMERGENCY EXIT ONLY. ALARM WILL SOUND." SS push bar trim can be used instead of the door decal, specify SS push bar trim when ordering the device.

When the ALK is used, standard dogging is removed. If cylinder dogging is required there are two choices. Special center case dogging is available or for 3' or 4' doors. The ALK can be moved to the hinge side of the device and standard cylinder dogging can be added.

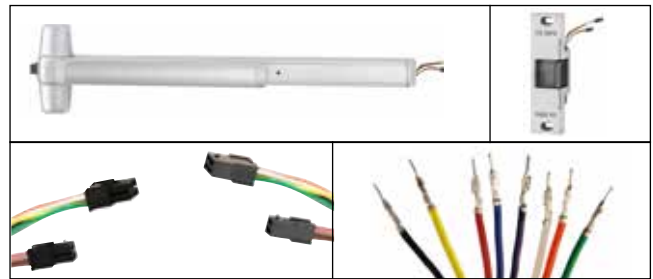
To Order, Specify:

1. Standard, 98 ALK
2. Cylinder Dogging, CD98 ALK
3. Special center case dogging, SD98 ALK

Minimum door opening sizes on ALK applications

Device	3' (914mm) Length	4' (1219mm) Length
98/98-F/99/99-F	2'10" (864mm)	3'4" (1016mm)
9875/9875-F/9975/9975-F	2'10" (864mm)	3'4" (1016mm)
9827/9827-F/9927/9927-F	2'10" (864mm)	3'4" (1016mm)
9857/9857-F/9957/9957-F	2'10" (864mm)	3'4" (1016mm)
9847/9847-F/9947/9947-F	2'9" (838mm)	3'3" (991mm)
9848/9848-F/9948/9948-F	2'9" (838mm)	3'3" (991mm)

Allegion Connect



Allegion's cross-category Connect features common interconnect components to our electrified options. Allegion Connect is a quick and easy way to connect power sources; all the way from your power supply to locking device. There is no wire cutting; reducing installation and maintenance time ultimately cutting cost. After installation, Allegion's Connect continues to provide benefits throughout the lifetime of the opening by offering a service kit for repairs or modifications in the future.

Features and benefits

- Quick: common connections reducing installation time
- Perfect Connections: these factory installed connectors ensure the right wires match up every time
- Protective: the connectors protect the connection points throughout the installation process and lifetime of the opening
- Interchangeable: all Allegion Connect products utilize the same connectors
- Maintenance: you no longer need to cut away wire to disconnect Allegion products, also available is a service kit specifically for Connect products.

Harness length	Connectors on both ends	Connectors on one end, crimped pins on the other end
6 Inches	CON-6	CON-6P
12 Inches	CON-12	CON-12P
26 Inches	CON-26	CON-26P
32 Inches	CON-32	CON-32P
38 Inches	CON-38	CON-38P
44 Inches	CON-44	CON-44P
50 Inches	CON-50	CON-50P
192 Inches	CON-192	CON-192P

Power Supply Wire Harness = Connectors on one end, stripped leads on the other end, offering a direct connection to the power supply

6 Inches	CON-6W - wire extension to power supply
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Consult door manufacturer for harness length requirements.

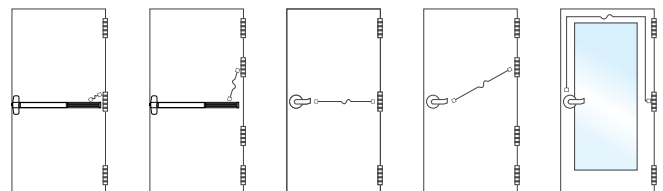
Note: You will need to purchase a separate wiring harness to go from exit device to hinge/EPT and an additional harness to go from hinge/EPT to power supply or access control system. Harness part numbers with ordering information can be located in the Schlage, Von Duprin and Falcon pricebooks. A service kit is available for order in the Schlage, Von Duprin and Falcon pricebooks. Included in this kit are male end plugs, female end plugs and pins to customize harnesses to your application.

Note: Must be ordered with exit devices and locks

How to order

1. Specify CON for Connect electronic options
Example: EL-99-EO-CON (99 Series Electrified Latching exit only with Connect connectors)
2. Specify harness length: Consult door manufacturer for harness length
3. Specify Von Duprin EPT10-CON or Ives 7200 power transfer hinge

Wire run options



98/99 Electrical options

EL Electric latch retraction

The EL feature allows for the remote unlatching of exit devices. A control station operator can flip a switch to retract the latch bolt and immediately change an exit door to push-pull operation. A powerful, continuous duty solenoid retracts the latch bolt, either for momentary unlatching, or for extended periods of time. The EL feature is an alternative to manual dogging.

If manual hex-key dogging is required, specify HD-EL. If cylinder dogging is required, the standard cylinder dogging is not available, but special center case dogging is available, specify SD-EL. SD-EL is not available on the 9875 or 9975 devices.

EL devices are also useful with automatic door operators, and may be applied to fire-rated applications when under the control of an **automatic fire alarm system**.

UL approved for Class II circuit applications.

The EL option does not include the power transfer from door to frame, the power supply, or the control operator. Refer to EPT-2 power transfer and the PS914 power supply.

The PS914 with the 9002RS option card is the minimum option card required. Other option cards available for other functions, see PS914 power supply for additional information.

Solenoid specifications:

Continuous duty – 24 VDC
Current inrush – 16 Amps
Current holding – 0.3 Amps

Solenoid resistance:

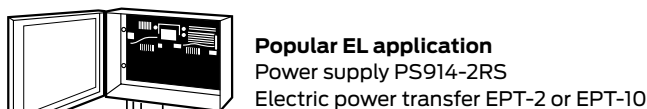
-grn-yel 1.2 – 2.2 OHMS
-grn-org 100 – 150 OHMS

To order, specify:

Standard – use prefix EL, example EL99L. Hex Key dogging – Use prefix HD-EL, example HD-EL99L. Special center case dogging – Use prefix SD-EL, example SD-EL99L

Minimum door opening widths:

Application	Surf. vert.	Con. vert.	Mortise	Rim
Min. door opening	28 1/4"	28 1/4"	28 3/4"	29 1/4"



Popular EL application
Power supply PS914-2RS
Electric power transfer EPT-2 or EPT-10

Von Duprin exit device	EL Wire length (feet) ¹	Wire gauge (AWG)
EL 98/99 Rim	0-500	12
	0-300	14
	0-200	16
All other 98/99EL device types	0-250	12
	0-150	14
	0-100	16
Control Switch	0-1200	18

1. Wire lengths include an EPT, Door loop, electric hinge or pivot and are measured one way between the PS914/option board and the device.
2. Table is applicable to devices that have shipped after August 2012.

QEL Quiet electric latch retraction

The QEL feature allows for the remote unlatching of exit devices. A control station operator can flip a switch to retract the latch bolt and immediately change an exit door to push-pull operation. Different than the popular EL, the QEL quiet operation is achieved using an electric drive motor which retracts the latch bolt either momentary unlatching or for extended periods of time. This feature is an alternative to manual dogging.

If cylinder dogging is required, the standard cylinder dogging is not available, but special center case dogging is available, specify

SD-QEL. SD-QEL is not available on the 9875 or 9975 devices.

QEL devices are also useful with automatic door operators, and may be applied to fire-rated applications when under the control of an automatic fire alarm system.

UL approved for Class II circuit applications.

The QEL option does not include the power transfer from door to frame, the power supply, or the control operator. Refer to EPT-2 power transfer and the PS902 or 914 power supply.

The PS902/914 with the 2RS, 4RL or 4R board is the minimum required. Other option boards available for other functions, see PS902/914 power supply for additional information.

The QEL has a low in rush current, so it can be used with standard Schlage power supplies. Calculate the peak current draw of all devices in the system to determine the required amperage of the supply.

Schlage PS902	Schlage PS904	Schlage PS906
up to 2 amps	up to 4 amps	up to 6 amps

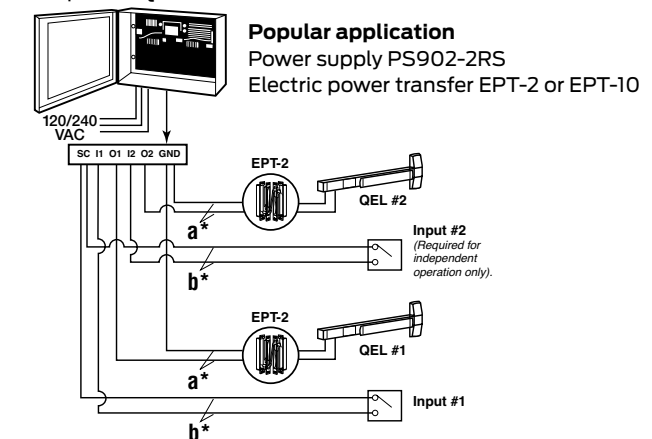
QEL Electrical load

Voltage	24VDC
Current	1.0 A Inrush (0.5 sec.) / 0.14 A Holding

The -2RS option board is designed to control two electric latch retraction devices and provide time delay between the firing of outputs is required. The power transfer is also sold separately.

To order, specify:

Standard – use prefix QEL, example QEL99L.
Special center case dogging – use prefix SD-QEL, example SD-QEL99L



Popular application
Power supply PS902-2RS
Electric power transfer EPT-2 or EPT-10

a*	Distance (one-way)	Wire gauge
	200'	18 AWG
	320'	16 AWG
	500'	14 AWG
	800'	12 AWG

b*	Wire selection	Switch wire size
	1200 ft. Max.	18 gauge standard

98/99 Electrical options

Power Supplies

Series PS902/914



Overview:

The PS900 Series is a consolidated line of power supplies and accessories that offer enhanced flexibility and functionality specific to the changing needs of the access control market. The PS900 Series can be used in a variety of applications to convert high voltage AC power into the low voltage DC outputs required by most access control devices. The PS900 Series protects devices downstream by providing Class 2*, filtered and regulated power. The full line is UL294 certified.

Note: PS906 can provide Class 2 rated outputs when used with 900-8P distribution board.

Features:

- Constant output rating at both 12 VDC and 24 VDC provides superior performance ; includes field selectable jumper
- Polarized connectors for option boards eliminate need for racks and side connectors
- Flat mounting of option boards provides easier access to terminal blocks for connection of electrified devices
- High voltage protective cover
- Battery back-up board auto-selects voltage
- Fire alarm relay can be configured to provide either switched or un-switched outputs from a power supply
- PS914 designed with high inrush current for powering electrified panic devices
- Universal 120-240 VAC input
- Low voltage DC, regulated and filtered
- Electronic power limiting foldback circuit for AC current overload protection
- Fused primary input
- AC status monitor- isolated SPDT contacts
- AC input and DC output LED status indicators
- Cover mounted AC input indication
- Hinged cover with lock down screws

Certifications:

- UL 294 certified—the standard for access control
- Class 2 rated*

* Except PS906, output rating exceeds Class 2 power limits

Once power is converted to low voltage DC, the PS900 Series offers a variety of distribution options, including basic fuse protection, simple relay, and advanced logic providing complex sequencing and timing functions.

* PS906 can provide Class 2 rated outputs when used with 900-8P distribution board.

	PS902	PS904	PS906	PS914
Number of connectors on power supply for the following:	2 amps	4 amps	6 amps	4 amps
Distribution boards	1	2	3	2
Battery back-up board	1	1	1	1

Note: One fire alarm board can be connected directly to the PS902. If a fire alarm board is desired for the PS904, PS906 or PS914 it can be connected to a distribution board.

Applications:

The PS900 Series of power supplies works with many electrified devices including Schlage electromagnetic locks, Schlage AD-Series hardwired locks, Schlage electrified mechanical locks, Von Duprin electrified strikes , Von Duprin exit devices, and many other brands.

Accessories:

The Schlage PS900 Series features seven option boards for use in a variety of applications. All Schlage PS900 Series power supplies option boards are UL 294 certified.

Option boards:

900-4R: 4 relay controlled output board to power multiple devices

900-4RL: 4 relay distribution board with logic is field configurable for time delay function, auto operator, security interlock

900-8F: Provides 8 individually fuse-protected outputs, giving the flexibility to power multiple devices and provide another layer of protection

900-FA: Emergency interface relay integrates with fire alarm and is used to cut power in case of emergency

900-BB: Battery backup

900-2RS: 2 relay EL/QEL panic device control board (PS914 - required for EL)

900-BBK: Battery backup kit includes two 7A/hr batteries and provides up to four hours of backup power when cycled every 5 minutes at full load

98/99 Electrical options

EPT Electrical power transfer PNT Pneumatic transfer

Electric Power Transfer provides a means of transferring electrical power from a door frame to the edge of a swinging door. The units are completely concealed when the door is in the closed position, and are ideal for installations involving abuse or heavy traffic.



Two models are available; EPT-2, two 18 gauge wires and EPT-10, ten 24 gauge wires. The EPT-2 and EPT-10 are U/L listed as "miscellaneous door accessory".

UL Listed for use on firedoors

Degree of opening	Hinge type	Door thickness
0-180	Up to 5" butt hinges	1 3/4"
0-180	Up to 3/4" offset pivots	1 3/4"
0-130	5 1/2" butt hinges	1 3/4"
0-110	6" butt hinges	1 3/4"
0-90	Swing clear hinges	1 3/4"

Finishes

SP28 (sprayed aluminum)

SP313 (sprayed duranodic).

Dimensions

Housing	Dimensions
	9" x 1 1/4" x 1 5/8" (229mm x 32mm x 38mm)
EPT-2	Two 18 gauge wires, Up to 2 AMPS @ 24VDC, with a 16 AMPS Maximum Surge
EPT-10	Ten 24 gauge wires, Up to 1 AMPS @ 24VDC, with a 16 AMPS Maximum Surge
PNT-1	5/32" Tubing

To order, specify:

1. EPT-2, EPT-10 or PNT-1.
2. Finish, SP28 or SP313.

E996L Electrified breakaway lever

E996L Electrified lever trim provides remote locking and unlocking. Furnished standard in fail safe (FS) condition, can be field converted to fail secure (FSE) where allowed. E996L is furnished standard with cylinder operation for nightlatch (NL) function, or with blank escutcheon (BE).

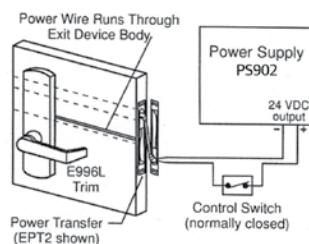


Specification:

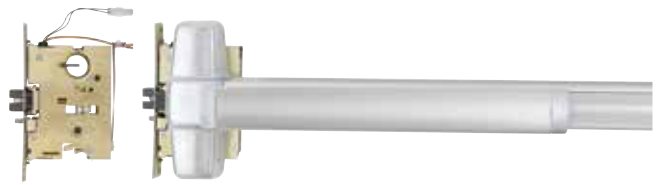
Solenoid – continuous duty 24VDC
Solenoid draw – 0.22 amp.

To order, specify:

1. Use "E" prefix, example E996L. When ordering with the exit device specify trim series with prefix "E", example 9927L-BE 3' US26D E996.
2. Device type, R/V (rim/surface vertical rod/concealed vertical rod) or M (mortise).
3. RHR furnished standard if not specified, field reversible.
4. Lever style (O6 lever furnished standard). Other levers, no extra charge.



E Electric mortise lock device



The electric mortise lock device has all the versatility and advantages of the standard mortise lock device, plus the advantage of being electrically controlled by a remote switching device, an access control system or an automatic fire alarm system. The device features the E7500 mortise lock. The E7500 controls the locking of the outside trim. When unlocked, the door remains latched, preserving the fire rating of the door and making it particularly useful where codes permit locking but require unlocking during a fire emergency. The outside trim cylinder retracts the latch bolt for mechanical override, night latch function. Only available with TP, K or L functions.

The E7500 lock contains a SPDT signal to monitor the outside trim condition (locked or unlocked) and a second SPDT signal switch to monitor the latch bolt.

Standard features:

- Field reversible handing
- 24 VDC continuous duty solenoid

Optional features:

- Fail safe (locked when energized, unlocked when de-energized or during power failure). Specify with suffix "FS."
- Fail secure (unlocked when energized, locked when de-energized or during power failure). Specify with suffix "FSE"
- 24 VAC (with SO option)
- 12 VDC
- 12 VAC (with SO option)

Note: Some Fire codes will require "Fail Safe" (FS) operation for stairwell doors. Be sure to specify the correct operation for your application.

Electrical specifications:

- Solenoid — .60 AMPS @ 12VDC
.30 AMPS @ 24VDC
- Each switch — Up to 2.0 AMPS @ 24VDC Maximum

The E option does not include the power transfer from door to frame, the power supply or the control operator. (Refer to EPT-10 and PS902 or PS914 power supply)

To order, specify:

1. Use prefix "E," example E9975.
2. FS or FSE
3. Voltage and current.

Electric mortise lock device

Adaptable for openings where continuous latching is required while the trim may be electrically locked or unlocked from a remote location—stairwells, exterior doors, etc.

Minimum system requirements:

- PS902
- EPT-10

98/99 Mechanical options

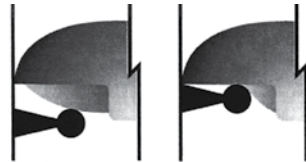
AX Accessible device

The AX device is a UL certified exit device designed to meet the progressive requirements of the California Building Code for accessible openings. This device meets the 5 lbs of operating force requirement called for in chapter 11B-309.4. The AX device also exceeds ANSI/BHMA requirements. Available devices include: AX98/99, AX98/99-F, AX98/9949LBL, AX98/9949-F LBL, AX98/9949-F LBLAFL. Additionally, all AX devices will be shipped with a new UL label clearly stating "Meets California building Code (2013) Sec. 11B-309.4" and an "AX" identifier label on device center case. See images below for reference.



XP Extra performance

For increased security the XP98/99 Rim exit device has a static load force resistance of more than 2,000 pounds, twice that of standard rim exit devices. The two-piece latch bolt forms a 90° latch-to-strike contact. The "smart" latch changes shape when subjected to external forces. This design enables the exit door to withstand an external attack and remain secure. Additionally, the patented latch bolt design provides a greater, longer-lasting latch bolt to strike contact which is not easily affected by the twisting motion of a weakened frame, resulting in an opening that will remain strong.



With a door loaded to 250 pounds, XP98/99 requires less than 40 pounds of pressure to open, 25% less than the safety code requires.

XP98/99 is available for panic or fire exit hardware applications. Dimensions, finishes and trim options are equal to the standard 98/99 series rim exit device.

Note: The 909 strike is to be used for all applications. The exception occurs with the use of fire rated double door applications, in this instance the 954 strike is required.

WS Surface vertical rod one-point and three-point exit devices

WS Multi-point exit devices for tornado application devices WS98/9927 (one-point) and WS98/9957 (three-point) surface vertical rod exit devices are designed, tested and certified to comply with the Federal Emergency Management Agency's publication FEMA 361- Design and Construction Guidance for Community Safe Rooms.

UL Listing – panic hardware UL 305; and fire exit hardware UL 10C: WS98/9927:

3 hour pairs of doors double egress, 90 minutes swinging same direction, 8'0" x 8'0" BHMA Grade 1, ANSI A156.3-2001

WS98/9957:

3 hours single doors, 4'0" x 8'0" BHMA Grade 1, ANSI A156.3-2001

Windstorm ratings:

WS98/9927:

Miami-Dade County/FBC compliance to TAS 201, TAS 202, TAS 203; design load rating +150/-150 PSF (245 MPH wind zone); Enhanced Hurricane Protection (EHPA) ASTM E1996, ANSI/ICC 500 (245 MPH wind zone).

UL-FEMA 361 certified 8'0" x 8'0" pairs, swinging same direction and 4'0" x 8'0" single non-fire rated flush hollow metal. UL-ANSI/ICC 500 certified for F5 tornado applications.

WS98/9957:

UL-FEMA 361 certified 4'0" x 8'0" single flush hollow metal (fire-rated and panic). UL-ANSI/ICC 500 certified for F5 tornado applications.

These devices are listed with Steelcraft Paladin™ PW-Series doors for tornados, and Steelcraft H-Series doors hurricane applications.

To order, specify: WS prefix, example WS9927-F

LBR Less bottom rod, panic and fire rated

LBR option is available, using a spring loaded auxiliary latch bolt installed in the lower door edge. When exposed to heat the auxiliary latch bolt releases, keeping the doors in alignment and closed during a fire. UL listed 3 hours on hollow metal doors double egress, 90 minute swinging same direction, and 20 minutes wood doors (consult wood door manufacturer). Fits door stiles as narrow as 3 5/8".

LBR devices must be ordered in pairs or must be used in conjunction with an approved automatic or constant latching flush bolt.

PL Pullman latch

When PL is specified the standard latches are replaced with pullman style latches. Pullman latches are always extended and are most commonly used in conjunction with electric strikes and LBR-less bottom rod application. Not available with Fire rated devices.

Not recommended where security is of the utmost importance since latches do not deadlock.

98/99 Mechanical options

PN Pneumatic controlled exit devices



The PN feature provides remote latch bolt retraction in hazardous areas where electrically operated devices would not be permitted. The pneumatic solenoid will retract the latch bolt for momentary or prolonged periods. PN exit devices are particularly suited for use with automatic door operators. The PN feature is available on both Panic and fire exit hardware devices.

The PN feature includes a special actuating linkage that gives building owners the option of mechanically or pneumatically dogging the exit device. If manual hex-key dogging is required, specify HD-PN (Dogging the device, whether mechanically or pneumatically, makes the device function as a push/pull unit and reduces the wear on its moving parts.) If cylinder dogging is required, the standard cylinder dogging is not available, but special center case dogging is available, specify SD-PN. SD-PN is not available on the 9875 or 9975 devices.

When activated pneumatically, the latch bolt(s) of the exit device retract in $\frac{1}{2}$ to $1\frac{1}{2}$ seconds. This pneumatic operation uses air pressure ranging from 50 to 100 pounds per square inch.

This product will function only when it is part of a pneumatic system (air compressor, air lines, pneumatic system, etc.).

Contact LCN for correct control boxes.

To order, specify:

- Standard — Use prefix PN, example PN99NL
- Hex Key Dogging — Use prefix HD-PN, example HD-PN99NL
- Special Center Case Dogging (handing is required, specify RHR or LHR) — Use prefix SD-PN, example SD-PN99NL

PNT pneumatic transfer

Pneumatic controls

PNT-1 is available for pneumatic latch retraction exit devices. Appearance and dimensions are identical to EPT models.

RSS Red Silk Screen



Red silkscreen lettering on touchpad trim. - "Emergency Exit Only, Push To Open And Sound Alarm". This comes standard on SS devices.

To order, specify: Suffix RSS, 9927L-RSS RHR

WH Weep holes

WH is available for all 98/99 Series exit devices. Weep holes are ideal for devices that are mounted to exterior doors that can be exposed to rain and other elements. Hole spacing on 3' and 4' devices are every 6" on center. A 3 foot device will have 5 holes, a 4 foot device will have 7 holes.

To order, specify: Suffix WH, 99EO-WH.

Dummy pushpad

The 330 dummy pushpad is designed as a companion unit for all 99 devices. The 350 dummy pushpad is a companion unit for all 98 devices. The pushpad is rigid or nonfunctioning. A push/pull operation can be accomplished by using 990DT, 996DT trim or any lves Pull.

The 330/350 can be equipped with a functional pushpad and will accommodate an RX or WP-RX switch. Specify RX-330. May also be equipped with the RX2, double RX switch. Specify RX2-330

To order, specify:

1. 330 or 350.
2. Size 3' or 4' (914mm or 1219mm)
3. Finish, US3, US4, US10, US26, US26D, US28, 313 & 315. US32D – 350 only.
4. Specify RX, WP-RX or RX-2 if desired.

SG Safety glow



Self-illuminating touchpad defines the location of the exit door in dark or smoke-filled area. The safety glow coating is a special powder coat finish that glows brightly during low or no light conditions. This coating was developed to meet MEA standards where luminescent exit door markings are required in commercial facilities. There are no batteries or electronics, the coating is charged when exposed to light.

To order, specify: Suffix SG, EL 9927L-SG

Braille, embossed and knurled touchpads



* Image shown is a special order.

Braille touchpad embossed with the standard message "CAUTION STAIRWELL" in braille and raised letters provides assistance to persons with impaired vision. Letters are $\frac{1}{2}$ " (13mm) high and braille is #2, raised height is $\frac{3}{32}$ " (2mm). Other messages are available on special order, limited to 20 characters per line.* **To order, specify:** Suffix BR, EL9927L-BR

Embossed touchpad is embossed with the word "PUSH".

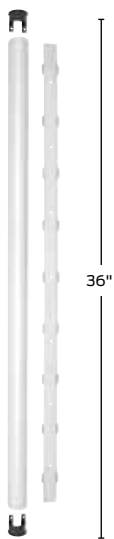
To order, specify: Suffix EMB, EL9927L-EMB

Knurled touchpad is to provide warning to persons with impaired vision. **To order, specify:** Suffix PBKN, EL9927L-PBKN

Consult factory for availability.

98/99 Device options & accessories

RG-27 Vertical rod and latch guard



Rod guard

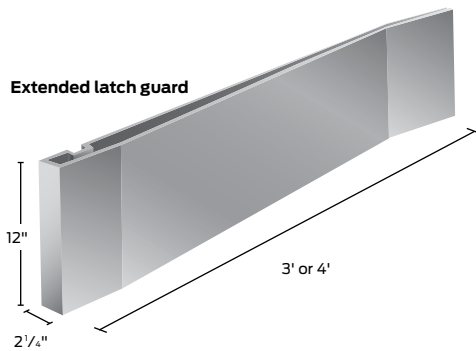
Series RG-27 Vertical rod and latch guards protect the bottom rods of exit devices from the damaging impacts of carts or gurneys passing through doors. (If bottom rods become damaged, the exit device will not function as intended and can jeopardize the ability to exit safely during an emergency.)

In addition to protecting the vertical rod, the guard provides a smooth, unobstructed surface so the door can be pushed open easily with the bumpers of a wheelchair. The latch guard portion is 10" high. The standard latch guard features a 45° ramp. The extended latch guard offers a continuous ramp in 3' or 4' widths.

All stainless steel construction in US32D finish. Latch guards can cover latches as large as 1 1/4"W x 10"H x 1 7/8" projection.



Latch guard



Extended latch guard

Models

- RGO Rod guard only (projection 1 3/16")
- RG-27 Rod and latch guard
- RG-27-3 3' (914mm) Rod guard and extended latch guard
- RG-27-4 4' (1219mm) Rod guard and extended latch guard
- LGO Latch guard only
- LGO-3 3' (914mm) Extended latch guard only
- LGO-4 4' (1219mm) Extended latch guard only

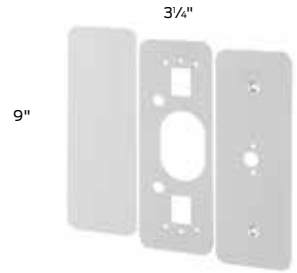
When using on wood fire doors, high density block is required.

To order, specify:

1. Model number.
2. Handing (except on RGO).
3. Door material if other than hollow metal.
4. Optional sex bolt mounting available.

997 Cover plate kit

For 98/99 rim device, kit contains inside and outside plates for hinge stile cutouts, an inside plate for the lock stile, and necessary screws. Plates are designed to cover cutouts required by most existing exit device installations. Specify finish.



WDA Cover plate kit

For wood door applications, used to cover up door preparations for control, also prevents the control from boring into the wood door. Finished to match control.



GBK Glass bead kit

Glass bead conversion kits are available for all 98/99™ Series devices for use on doors with raised glass beads. Each kit consists of 1/4" (6mm) shim sets. GBK for surface vertical rod ships with 1/8" shims for rod guides.

To order, specify:

1. 99GBK
2. Device type (rim, mortise, surface vertical rod, concealed vertical rod)
3. Wood door, when used with concealed vertical Rod
4. When used with 330/350 Dummy pusher, order two hinge stile shims.

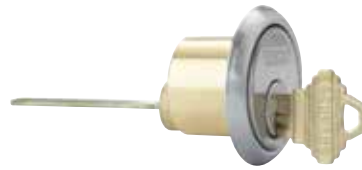
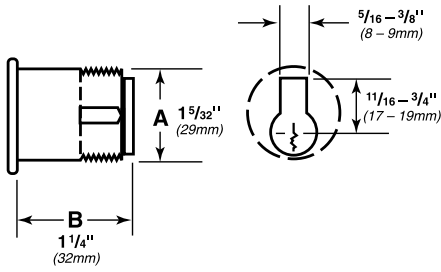
98/99 Device options & accessories

Cylinders

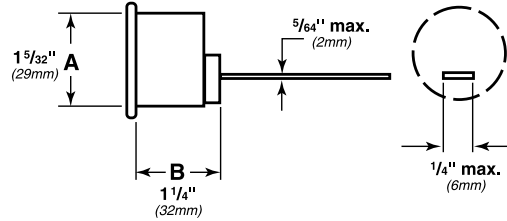
Cylinders are not furnished with device or trim and must be specified when ordering. Refer to trim pages for cylinder type.



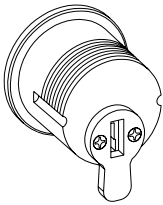
Mortise — 3215 (Schlage 20-001, B502-191 cam)



Rim — 3216 (Schlage 20-022 cam)

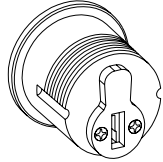


Dogged (inverted) cam



For cylinder dogging
or 360L

Undogged cam (standard operations)



For standard trim functions
or 360L-NL

98/99 Device options & accessories

Mullions

Removable steel mullions provide single door performance in double door openings with rim devices. Mullions are easily removed by loosening bottom set screw and removing top fitting cover. The top mullion fitting is attached to the frame and is concealed by the fitting cover.

Steel mullions are 2" (51mm) wide and 3" (76mm) deep, with a wall thickness of 1/8" (3mm).

Mullions are shipped with mounting screws and prepared for strikes. Strikes are not included except where indicated.

Steel mullions are available in SP28 and SP313 finishes. Consult factory for other powder coat finish options.

KR – Keyed removable steel mullions make removal faster and easier by a single operation of the mortise cylinder. Once mullion is removed, large equipment or furniture can freely pass through the opening. The unit will self lock when re-installed, without the use of the cylinder key. Uses a 1 1/4" mortise cylinder with a straight cam (Schlage cam reference B502-191). Cylinders are sold separately. Prefix mullion model with "KR".

Removable aluminum mullions are 1 1/8" (27mm) wide on face closest to the door and 2 3/8" (60mm) at the widest point. The depth is 3 1/8" (79mm) with a wall thickness of 1/8" (3mm).

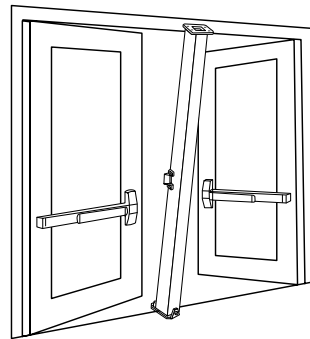
Aluminum mullions are available in US4, US10, US28, 313 and 315 finishes. Consult factory for other powder coat finish options. Aluminum mullion are not available keyed removable.

Stock hollow metal applications for devices mounted to cover ANSI 161 cutouts are higher than the standard mullion strike location. Consult the factory for special strike preparation or order a blank mullion. See below.

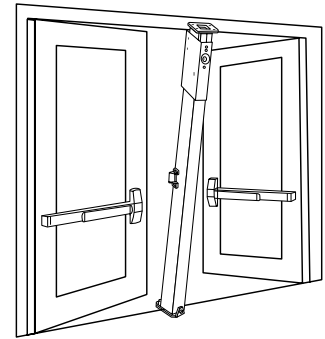
Blank mullions are furnished without strike preparation. They are used to mount devices at a strike height different from the standard mullion preparation.

To order, specify:

1. For keyed Removable option on steel mullions, prefix model number with "KR"
2. Model number
3. Height of opening
4. Finish
5. Handing if required
6. Centerline deviation (refer to device template for standard centerline)
7. Strikes, when required, should be ordered with device



Removable mullions



Keyed removable steel mullions

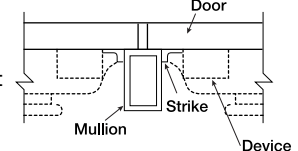
Steel mullions

1654 Prepared for two 1606 strikes. If 1606 strikes are not specified on the order, two per mullion will be added. Additional charges apply.

4954 Prepared for 264 or 299 strikes. For use with all Von Duprin Panic rim devices.



9954 Prepared for and must be used with two 268 strikes (88-F device), or two 499F (22-F, 98-F, 99F devices). UL fire labeled mullion for up to 3 hour opening using Von Duprin fire exit rim devices. This mullion is not easily removed due to special fittings.



98-F and 99-F devices are rated up to 10'0" (3048 mm).

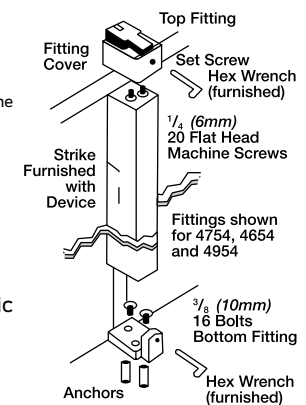
Note: If 268 or 499F strikes are not specified on the order, two per mullion will be added. Additional charges apply.

4754 Prepared for two 4263 monitor strikes.

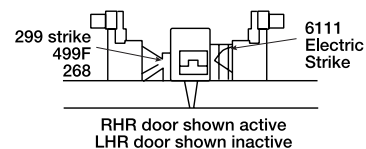
4854 Prepared for one 299 and one 6111 electric strike. Indicate handing for electric strike.



9854 Prepared for one 268 or 499F strike and one 6111 electric strike. Indicate handing for electric strike. UL fire labelled mullion for up to 3 hour openings up to 8' x 8' (2438mm x 2438mm) using Von Duprin fire exit rim devices



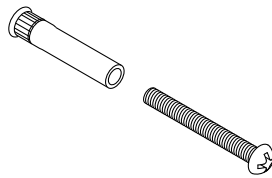
4854/9854 – Using one electric strike



98/99 Device options & accessories

Sex bolts

Sex bolts when ordered with devices may be furnished with screw lengths different than shown in Column B. Below, Column B indicates popular sizes. Sex Bolts ordered separately are not furnished with screws. If screws are required refer to chart below and order screws by description as a separate item. Other screw lengths may be used based on minimum and maximum allowable thread engagement, shown in column "C." Quantity required — refer to device section, quantities differ depending on outside trim.



325 sex bolts used on surface Vertical Latches.

425 sex bolts are required for 98/99 Series fire rated devices when used on wood door applications. When wood doors are specified for these devices, sex bolts will be added to the device application unless SLM blocking package is specified.

825 sex bolts are required with 98-F/99-F rim devices on wood door applications using NL, TP, K and L outside trims. Two 825 sex bolts will be added to the device application unless SLM blocking package is specified.

To order, specify:

1. Model number
2. Quantity (2 per package)
3. Finish
4. Door thickness other than 1³/₄" (44mm)



325



425



825

Rim, mortise and concealed vertical

Device type	Door thickness	Center case				C Thread engagement min. – max	Hinge case			C Thread engagement min. – max
		Sex bolt no.	A	B Screw	Sex bolt no.		A	B Screw		
									98, 9827, 9827-F, 9875, 9875-F, 9847, 9847-F, 9847WDC, 9849, 9849-F, 99, 9927, 9927-F, 9975, 9975-F, 9947, 9947-F, 9949, 9949-F, 98/9949WDC, 98/9949WDC-F	
	2 ¹ / ₄ " (57mm)	425	1 ⁹ / ₁₆ "	10-24 x 1 ¹ / ₂ " PPHMS	9 ³² / ₃₂ " – 1 ⁹ / ₁₆ "	425	1 ⁹ / ₁₆ "	10-24 x 1 ¹ / ₂ " PPHMS	9 ³² / ₃₂ " – 1 ⁹ / ₁₆ "	
98-F, 99-F*	1 ³ / ₄ " (44mm)	425	1 ⁹ / ₁₆ "	10-24 x 1" PPHMS	9 ³² / ₃₂ " – 1 ⁹ / ₁₆ "	425	1 ⁹ / ₁₆ "	10-24 x 3 ³ / ₄ " PPHMS	9 ⁹ / ₃₂ " – 1 ⁹ / ₁₆ "	
		825A*	1 ¹³ / ₁₆ "	10-24 x 3 ³ / ₄ " PPHMS		425	1 ⁹ / ₁₆ "	10-24 x 1 ¹ / ₂ " PPHMS	9 ³² / ₃₂ " – 1 ⁹ / ₁₆ "	
	2 ¹ / ₄ " (57mm)	425	1 ⁹ / ₁₆ "	10-24 x 1 ¹ / ₂ " PPHMS	9 ³² / ₃₂ " – 1 ⁹ / ₁₆ "	425	1 ⁹ / ₁₆ "	10-24 x 1 ¹ / ₄ " PPHMS	9 ³² / ₃₂ " – 1 ⁹ / ₁₆ "	
		825B*	2 ⁵ / ₁₆ "	10-24 x 3 ³ / ₄ " PPHMS		425	1 ⁹ / ₁₆ "	10-24 x 1 ¹ / ₄ " PPHMS	9 ³² / ₃₂ " – 1 ⁹ / ₁₆ "	

* For use with outside trims, see page XX for details

Surface vertical rod - latches only

Device type	Door thickness	Latch case		
		Sex bolt no.	A	B Screw
	2 ¹ / ₄ " (57mm)	325	1 ⁹ / ₁₆ "	1/4 - 20 x 1/4" FPHMS

PPHMS – Pan phillips head machine screw

UFPHMS – Undercut flat phillips head machine screw

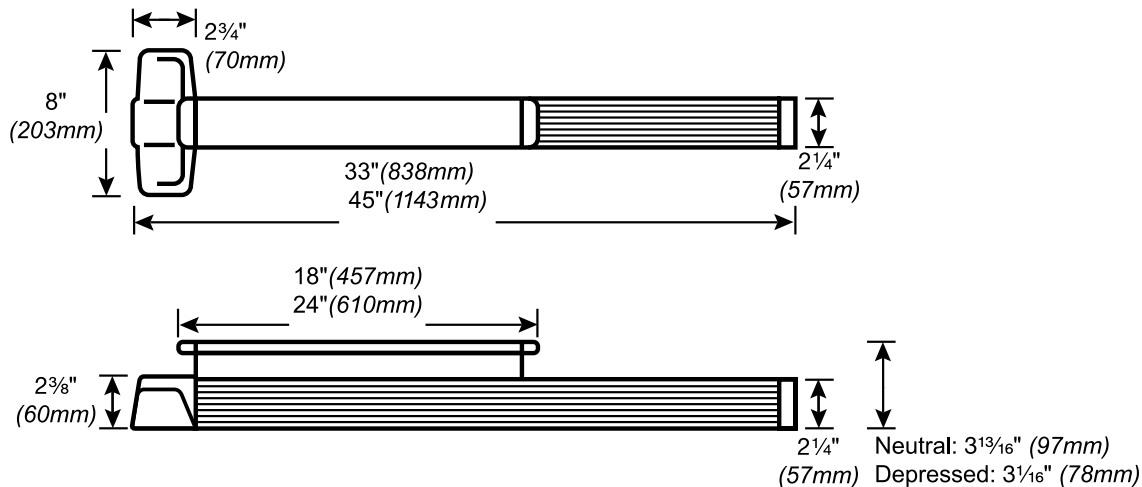
* For use with outside trims.

98/99 Function, grade, type options

ANSI Function, grade & type

Function	Grade 1, type 1	Grade 1, type 2	Grade 1, type 3	Grade 1, type 7	Grade 1, type 7	Grade 1, type 8	Grade 1, type 8	Grade 1, type 8	Grade 1, type 9
1	98EO & F 99EO & F	9827EO & F 9927EO & F	9875EO & F 9975EO & F	9847WDCEO & F 9947WDCEO & F	9849WDCEO & F 9949WDCEO & F	9847EO & F 9947EO & F	9848EO & F 9948EO & F	9849EO & F 9949EO & F	9857EO & F 9957EO & F
2	98DT 99DT	9827DT 9927DT	9875DT 9975DT	9847WDCTD 9947WDCTD	9849WDCTD 9949WDCTD	9847DT 9947DT	9848DT 9948DT	9849DT 9949DT	9857DT 9957DT
3	98NL & F 99NL & F	9827NL & F 9927NL & F	9875NL & F 9975NL & F	9847WDCNL & F 9947WDCNL & F	9849WDCNL & F 9949WDCNL & F	9847NL & F 9947NL & F	9848NL & F 9948NL & F	9849NL & F 9949NL & F	9857NL & F 9957NL & F
3	98K-NL & F 99K-NL & F	9827K-NL & F 9927K-NL & F	9875K-NL & F 9975K-NL & F	9847WDCK-NL & F 9947WDCK-NL & F	9849WDCK-NL & F 9949WDCK-NL & F	9847K-NL & F 9947K-NL & F	9848K-NL & F 9948K-NL & F	9849K-NL & F 9949K-NL & F	9857K-NL & F 9957K-NL & F
3	98L-NL & F 99L-NL & F	9827L-NL & F 9927L-NL & F	9875L-NL & F 9975L-NL & F	9847WDCL-NL & F 9947WDCL-NL & F	9849WDCL-NL & F 9949WDCL-NL & F	9847L-NL & F 9947L-NL & F	9848L-NL & F 9948L-NL & F	9849L-NL & F 9949L-NL & F	9857L-NL & F 9957L-NL & F
5	98TP & F 99TP & F	9827TP & F 9927TP & F	9875TP & F 9975TP & F	9847WDCTP & F 9947WDCTP & F	9849WDCTP & F 9949WDCTP & F	9847TP & F 9947TP & F	9848TP & F 9948TP & F	9849TP & F 9949TP & F	9857TP & F 9957TP & F
7	98TP-2 & F 99TP-2 & F		9875TP-2 & F 9975TP-2 & F						
8	98K & F 99K & F	9827K & F 9927K & F	9875K & F 9975K & F	9847WDCK & F 9947WDCK & F	9849WDCK & F 9949WDCK & F	9847K & F 9947K & F	9848K & F 9948K & F	9849K & F 9949K & F	9857K & F 9957K & F
8	98L & F 99L & F	9827L & F 9927L & F	9875L & F 9975L & F	9847WDCL & F 9947WDCL & F	9849WDCL & F 9949WDCL & F	9847L & F 9947L & F	9848L & F 9948L & F	9849L & F 9949L & F	9857L & F 9957L & F
10	98K-2 & F 99K-2 & F		9875K-2 & F 9975K-2 & F						
10	98L-2 & F 99L-2 & F		9875L-2 & F 9975L-2 & F						
11 12		9827TL & F 9927TL & F		9847WDC & F 9947WDC & F	9849WDC & F 9949WDC & F	9847TL & F 9947TL & F	9848 & F 9948 & F	9849 & F 9949 & F	9857TL & F 9957TL & F
14	98K-BE & F 99K-BE & F	9827K-BE & F 9927K-BE & F	9875K-BE & F 9975K-BE & F	9847WDCK-BE & F 9947WDCK-BE & F	9849WDCK-BE & F 9949WDCK-BE & F	9847K-BE & F 9947K-BE & F	9848K-BE & F 9948K-BE & F	9849K-BE & F 9949K-BE & F	9857K-BE & F 9957K-BE & F
14	98L-BE & F 99L-BE & F	9827L-BE & F 9927L-BE & F	9875L-BE & F 9975L-BE & F	9847WDCL-BE & F 9947WDCL-BE & F	9849WDCL-BE & F 9949WDCL-BE & F	9847L-BE & F 9947L-BE & F	9848L-BE & F 9948L-BE & F	9849L-BE & F 9949L-BE & F	9857L-BE & F 9957L-BE & F
16		9827TL-BE & F 9927TL-BE & F		9847WDC & F 9947WDC & F	9849WDC & F 9949WDC & F	9847TL-BE & F 9947TL-BE & F	9848 & F 9948 & F	9849 & F 9949 & F	9857TL-BE & F 9957TL-BE & F

Dimensions



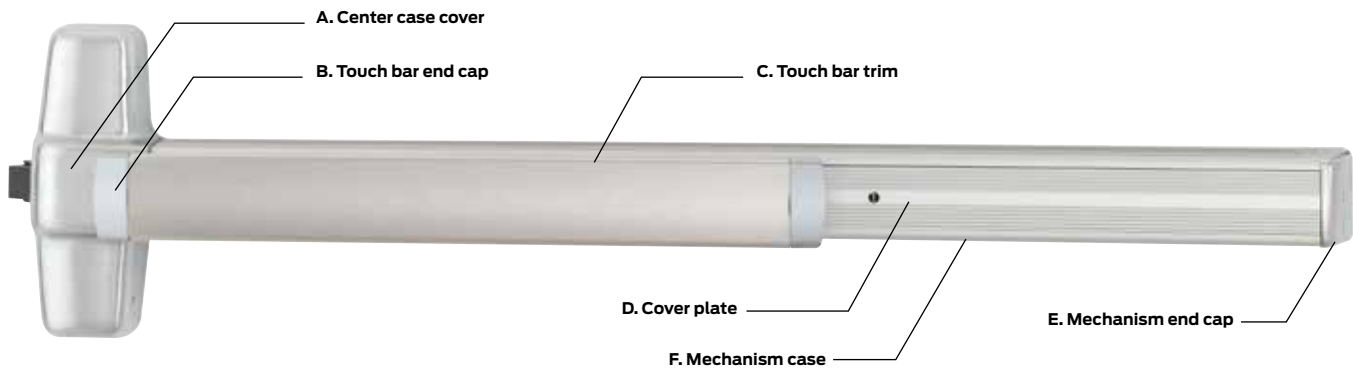
UL Listing for fire exit hardware

UL Listed fire exit hardware label and opening size

Exit device	Door material	Single door	Double door						
			With 9954 mullion	With 9854 mullion	With kr9954 mullion	With kr9854 mullion	V x v same direction	V x mortise same direction	V x v double egress
98-F 99-F	Metal	3 Hour 4' x 10'	3 Hour 8' x 10'	3 Hour 8' x 10'	3 Hour 8' x 8'	3 Hour 8' x 8'	—	—	—
9875-F 9975-F	Metal	3 Hour 4' x 10'	—	—	—	—	—	3 Hour 8' x 10'	—
9827-F 9927-F	Metal	—	—	—	—	—	90 Minute* 8' x 10'	3 Hour 8' x 10'	3 Hour 8' x 10'
9827LBR-F 9927LBR-F	Metal	—	—	—	—	—	90 Minute* 8' x 10'	—	3 Hour 8' x 10'
9857-F 9957-F	Metal	3 Hour 4' x 8'	3 Hour 8' x 8'	3 Hour 8' x 8'	3 Hour 8' x 8'	3 Hour 8' x 8'	—	—	—
9847-F 9947-F	Metal	—	—	—	—	—	90 Minute* 8' x 10'	3 Hour 8' x 10'	3 Hour 8' x 10'
9847LBR-F 9947LBR-F	Metal	—	—	—	—	—	90 Minute* 8' x 10'	—	3 Hour 8' x 10'
9848-F 9948-F	Metal	—	—	—	—	—	90 Minute* 8' x 10'	3 Hour 8' x 10'	3 Hour 8' x 10'
9849-F 9949-F	Metal	—	—	—	—	—	90 Minute* 8' x 10'	3 Hour 8' x 10'	3 Hour 8' x 10'
9849LBL-F 9949LBL-F	Metal	—	—	—	—	—	90 Minute* 8' x 10'	—	3 Hour 8' x 10'
9850-F 9950-F	Metal	—	—	—	—	—	90 Minute* 8' x 10'	3 Hour 8' x 10'	3 Hour 8' x 10'

* Currently, no door manufacturers offer a listing over 90 minutes with doors swinging same direction.
Consult wood door manufacturers for current UL listings.

98/99 Finishes



Finishes

Color	US number	BHMA number	A, B, E	C	D & F
Bright brass	US3	605	Bright brass	Bright brass US3, 605	Buffed anodized
Satin brass	US4	606	Bright brass	Satin brass US4, 606	Anodized
Satin bronze	US10	612	Plated	Satin bronze US10, 612	Anodized
Bright chrome	US26	625	Plated	Bright stainless steel US32, 629	Buffed anodized
Satin chrome	US26D	626	Plated	Satin stainless steel US32D, 630	Anodized
Satin stainless steel*	US32D	630	Stainless steel	Satin stainless steel US32D, 630	Anodized
Aluminum, anodized	US28	628	Powder coat	Satin stainless steel US32D, 630	Anodized
Duranodic dark bronze	313	710	Powder coat	Powder coat	Powder coat
Black	315	622	Powder coat	Powder coat	Powder coat

Special Finishes

Color	US number	BHMA number	A, B, E	C	D & F
Satin bronze, oil-rubbed	US10B	613	Oil-rubbed, US10B	Oil-rubbed, US10B	Powder coat
Powder coat**	RAL #	–	Powder coat	Satin stainless steel US32D, 630 (unless specified to match device)	Powder coat
Bright bronze	US9	611	Plated	Bright bronze US9, 611	Buffed anodized
Satin nickel*	US15	619	Plated, clear powder	Satin stainless steel US32D	Anodized
Aged bronze 643E	–	–	Relieved aged bronze	Relieved aged bronze	Aged bronze, no relief
Satin chrome (antimicrobial)	U26D-AM	626-AM	AM Clear over chrome	AM Clear over satin stainless steel US32D, 630	AM Clear over anodized
Satin stainless steel (antimicrobial)	US32D-AM	630-AM	AM Clear over stainless steel	AM Clear over Satin Stainless Steel US32D, 630	AM Clear over anodized






Touch bar trim options — Knurled
 Embossed “Push”
 Braille (Caution-Stairwell), satin stainless steel only
 RSS, US32D only, red silk screen lettered “EMERGENCY EXIT ONLY – PUSH TO OPEN AND SOUND ALARM.”

* US32D and US15—available on 98 Series only

** Other custom logo touchbar trim and RAL color combinations available - consult factory

98/99 Finishes

Finishes*

	Color	US number	BHMA number
	Chromium, polished	US26	625
	Anodized, aluminum	US28	628
	Chromium, dull	US26D	626
	Brass, polished	US3	605
	Brass, dull	US4	606

	Color	US number	BHMA number
	Bronze, dull	US10	612
	Satin nickel Available for 35A ONLY	US15	619
	Satin stainless steel	US32D	630
	Duranodic dark bronze	313	710
	Black	315	711

Special finishes

	Color	US number	BHMA number
	Satin chrome, Antimicrobial	US26D-AM	626-AM
	Satin stainless steel, antimicrobial	US32D-AM	630-AM
	Aged bronze 643e	–	–

Pushpad options — Knurled
 Embossed “Push”
 Braille (Caution-Stairwell), satin stainless steel only
 RSS – (Emergency Exit – Push to open and sound alarm) – Red Silkscreen lettering on US32D

* Note: Durable powder coated finishes available at specific special request. PLEASE CONTACT FACTORY.

About Allegion

Allegion (NYSE: ALLE) creates peace of mind by pioneering safety and security. As a \$2 billion provider of security solutions for homes and businesses, Allegion employs more than 8,000 people and sells products in more than 120 countries across the world. Allegion comprises more than 25 global brands, including strategic brands CISA®, Interflex®, LCN®, Schlage® and Von Duprin®.

For more, visit www.allegion.com

aptiQ ■ LCN ■ **SCHLAGE** ■ STEELCRAFT ■ VON DUPRIN

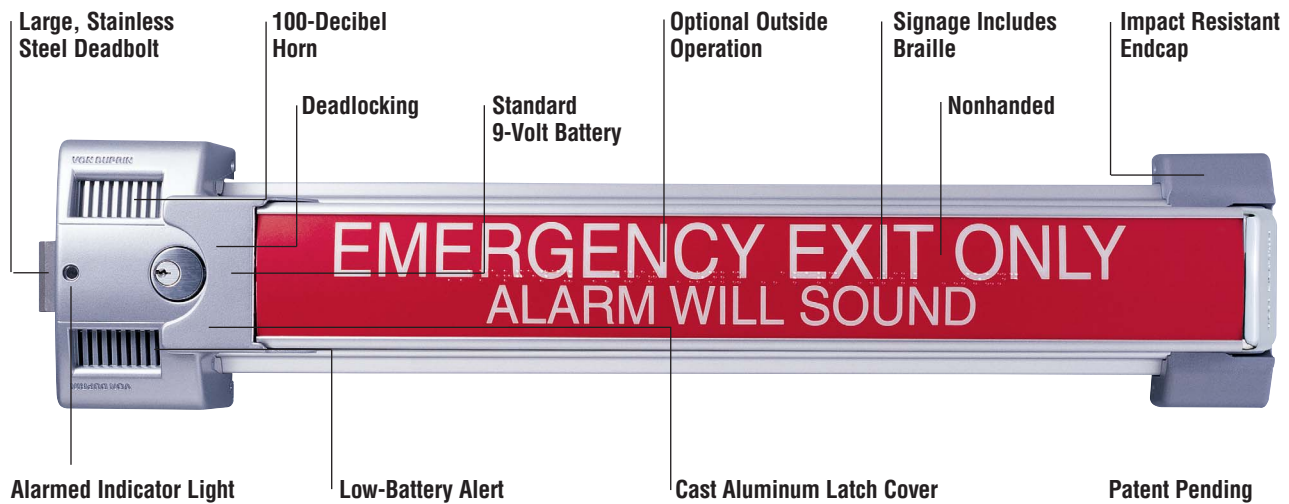
VON DUPRIN®

GUARD-X Exit Alarm Lock



IR Security & Safety
Proven Source. Proven Solutions.™

GUARD-X



GUARD-X provides secure, alarmed code-compliant protection for secondary exits.

GUARD-X exit alarm lock readily identifies the door on which it is mounted as an emergency exit and secures the opening against unauthorized use. It is ideal for deterring theft in restaurants and retail establishments such as: discount stores, grocery stores, drug stores, clothing stores and sporting goods stores.

Heavy-Duty Design

The new Series 2670 Exist Alarm Lock provides secure protection through a large stainless steel deadbolt, which is 2" x 1/2" (51mm x 13mm) and has over a 3/4" (19mm) throw. The engagement area into the strike is over 1-1/4 (32mm) square inches. The cast aluminum latch case protects the internal mechanism and resists tampering or vandalism from inside the door. This unit has been tested to withstand up to 1600 pounds of static load force against the door.

Security

GUARD-X does not allow relatching or resetting the alarm after an unauthorized exit, other than by an authorized person with a key. A 100-decibel alarm provides a clear, attention-getting warning for an unauthorized exit or attempted exit. The armed indicator light informs the owner that the alarm is armed, and an audible low-battery alert signals the owner to replace the battery when necessary.

Compliance

GUARD-X complies with the NFPA 101® Life Safety Code "the actuating portion of which extends across at least one half of the door leaf." It is UL listed for Panic Exit Hardware (UL305) including the ends of the crossbar or push pad shall curve, guard, or are otherwise designed to prevent catching on the clothing of persons during exit" for use on Emergency Exit applications, and tested in accordance to ANSI A156.3 Grade 1 Panic Hardware (250,000 cycles).

Installation takes just a few minutes with an easy-to-use adhesive back template. The product's nonhanded design means the installer can mount it for either hand by just removing and reversing the "Emergency Exit — Alarm Will Sound" sign built into the device. The standard warning sign is in English with Braille; French and Spanish are available.

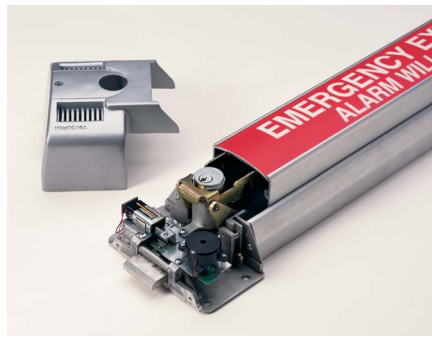
Operation and Outside Trim

GUARD-X is armed and disarmed by key, using a standard rim cylinder. For owner convenience, it can be operated from the building exterior by a standard rim cylinder, so an authorized user can easily arm and disarm it to enter or exit the building when required. When using exterior operation, a pull trim is recommended, use 210DT or 230DT. Rim cylinders are not furnished and must be ordered separately.

A standard 9-volt battery powers the alarm. An exterior 9-volt power supply is available, Model PT-790, a 120VAC plug-in. When using the external power supply, the 9-volt battery functions as a battery backup during a power failure.



Large 2" x 1/2" stainless steel deadbolt provides maximum security. A Standard rim cylinder is used to arm or disarm lock.



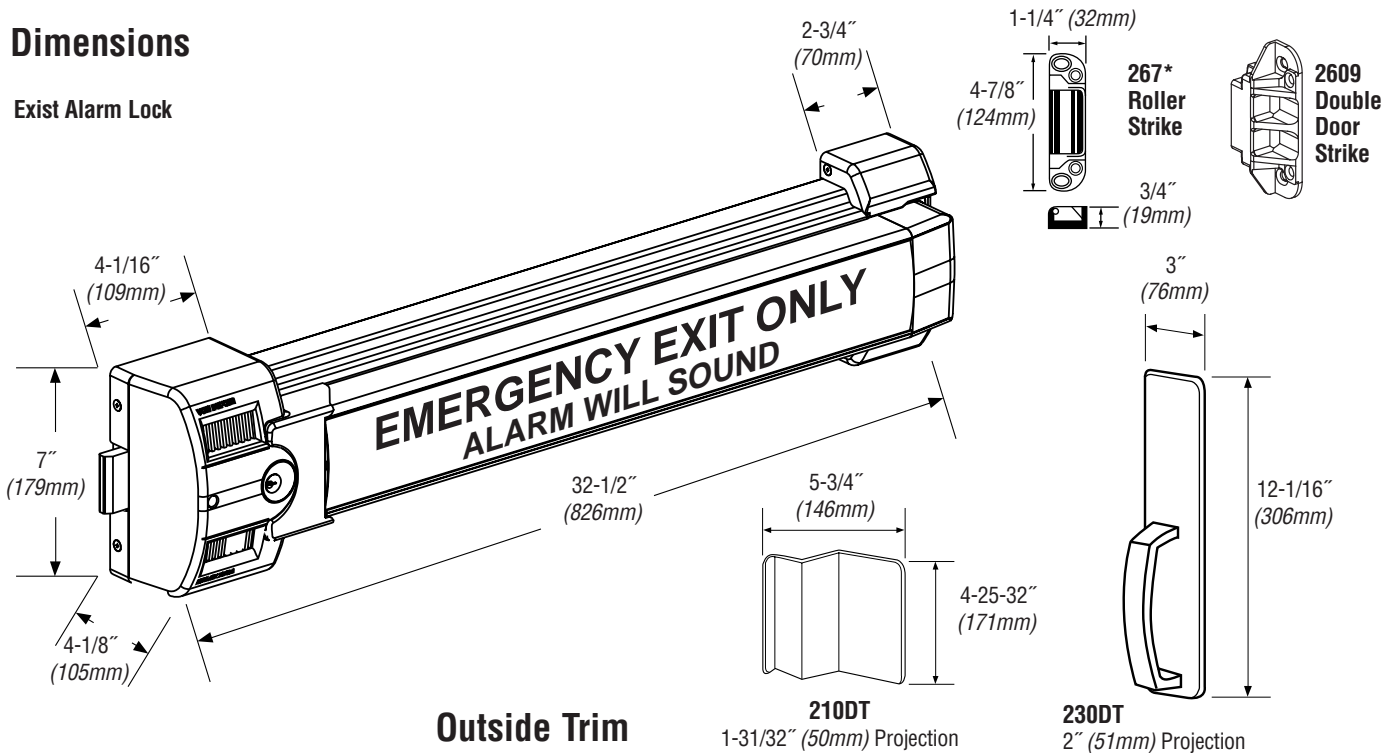
Heavy-duty construction provides long service life.



Three finishes available, including aluminum (US28), anodized duranodic dark bronze (313AN/710) and anodized black (315AN).

Dimensions

Exist Alarm Lock



Outside Trim

210DT
1-31/32" (50mm) Projection

230DT
2" (51mm) Projection

Touchbar height to finished floor	40" (1016mm) at center
Door width range	36" (914mm) to 48" (1219mm)
Touchbar projection —	
neutral	4-1/8" (103mm)
depressed	2-3/4" (70mm)
Latch case housing	7" (179mm) x 4-1/16" (103mm) x 4-1/8" (105mm)
Device length	32-1/2" (826mm)

Finishes — US28 (Aluminum), 313AN (Duranodic Brown), 315AN (Black)

How-To Order

1. Model number 2670 (includes strike, screw pack and battery)
2. Finish — US28, 313AN or 315AN
3. French or Spanish sign, when required. English with Braille is standard.

Accessories

4. Sex nuts and bolts (6 #325) — when required
5. PT990 9-volt External Power Supply — when required
6. 210DT x 050140 or 230DT x 050140 — when required
7. 3216 Rim Cylinder, when required

*2609 double door strike available.

VON DUPRIN®

GUARD-X Exit Alarm Lock

International Offices

Canada / Latin America

IR Security & Safety
1076 Lakeshore Road East
Mississauga, Ontario,
L5E 1E4, Canada
(905) 403-1800
(905) 278-1413 FAX
(877) 590-4734

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Northpoint, Hong Kong
+(852) 2235-0600
+(852) 2565-1409 FAX

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IR Architectural Hardware Ltd.
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+64 (0) 9-829-0552 FAX
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Visit Von Duprin on the web
www.vonduprin.com
or contact an
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1-877-840-3621



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317-613-8302 Fax

Customer Service
800-999-0408
800-999-0328 Fax

An **IR** Ingersoll Rand business

VON DUPRIN®

INPACT™
94 and 95

Exit device



Introduction

The unquestioned leader in innovation, design and durability.

Von Duprin invented the exit device in 1908. Since that time, there have been many imitators, but no other true innovator. The unique, streamlined Von Duprin INPACT recessed exit device is a perfect example of how creative thinking and great engineering can turn a safety necessity into a stylishly understated fixture.

INPACT is fully integrated within a door and combines a clean, tasteful appearance with Von Duprin's unrivaled standards of durability and performance. The design is compatible with hollow metal doors, including doors manufactured by Steelcraft®, part of the Allegion product line.

Grace under pressure.

Available in a variety of finishes, INPACT is UL® approved to meet the strictest building codes. The fact is, UL® testing sets an important standard for the industry. But at Von Duprin, our testing goes well beyond industry standards to make absolutely sure our exit devices will survive in the real world. For this reason, INPACT will withstand repeated abuse and continue to perform, even in the most demanding environments. You can be totally confident that every Von Duprin product you specify or install will exceed your expectations for reliable operation and long-lasting durability.

VON DUPRIN
Administrative offices
2720 Tobey Dr.
Indianapolis, IN 46219

Customer service
877-671-7011
800-999-0328 - Fax

Technical support
877-671-7011

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Concealed Vertical

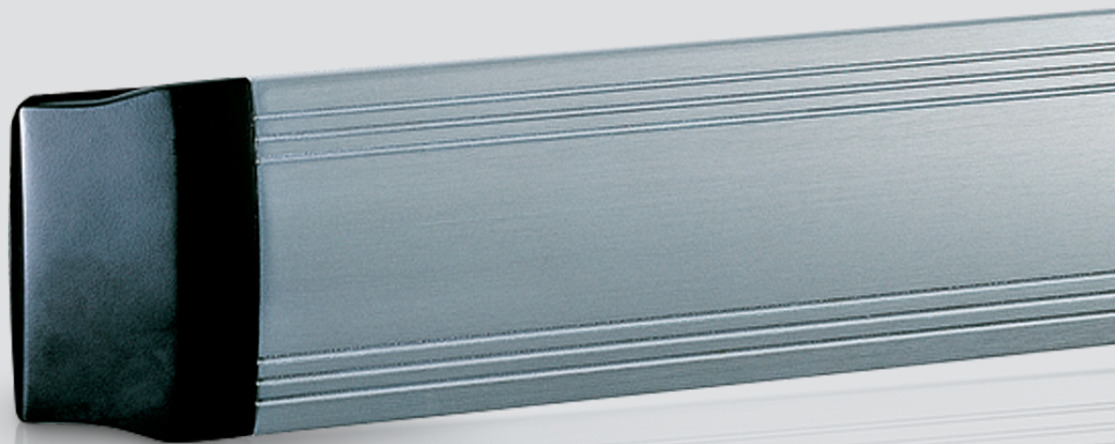
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Options and accessories

Applications & trim operation	Features Appearance and trim options Lever styles
Trim options	Trim selection Trim options
Specifications	UL listed Finishes
Additional information	Single door Double door

Symbols

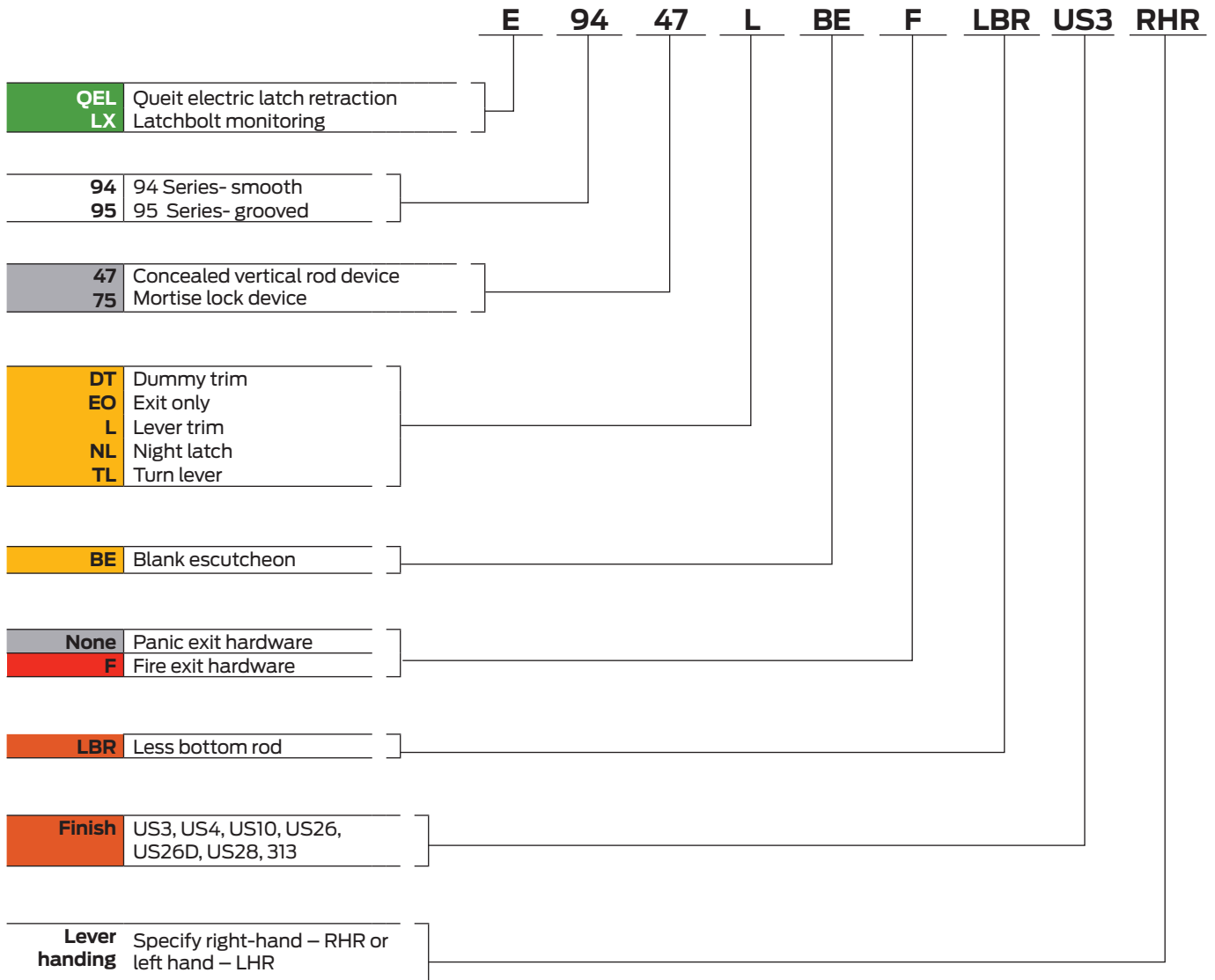


Indicates fire rated application



Indicates ADA products

How to order



Single door 9475 and 9575

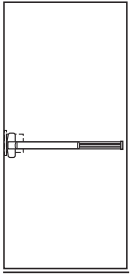
- Specify model and trim selection.
Examples: 9475L-F (Fire exit device, mortise lock, smooth pushpad, lever trim) 9575DT (Panic device, mortise lock, grooved pushpad, dummy trim)
- Specify finish
- Handing required on lever trims. Specify RHR or LHR.
- Options as desired
Example: QEL prefix (Quiet electric latch retraction)
QEL9475-F x US26D x RHR

Double door 9447 and 9547

- Specify model and trim selection.
Examples: 9447L-F (Fire exit device, concealed rod, smooth pushpad, lever trim) 9547DT (Panic device, concealed rod, grooved pushpad, dummy trim)
- Specify finish
- Handing required on lever trims. Specify RHR or LHR.
- Options as desired
Example: QEL prefix (Quiet electric latch retraction)
QEL9547-F x US26D x RHR

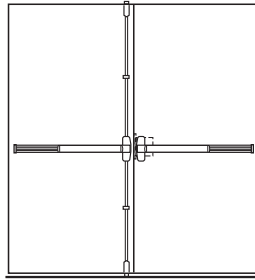
Popular applications and handling

Single door applications

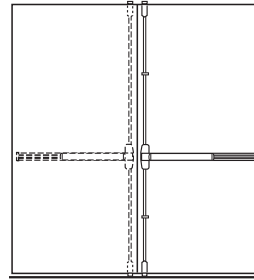


Single mortise lock device

Double door applications



Mortise lock and surface mounted or concealed vertical rod device combination—same direction

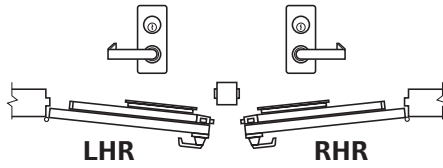


Two vertical rods—double egress

Door handing

Left hand-reverse orientation

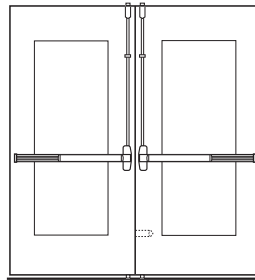
Right hand-reverse orientation



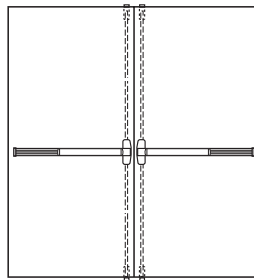
LHR
(Left hand-reverse)

RHR
(Right hand-reverse)

Outside



Two Fire Exit Hardware vertical rods with auxiliary fire latch-LBR option



Two concealed vertical rods

INPACT™ Trim operation

Standard trim

Lever 940L*



Forged brass 1 3/8" (35mm) depth escutcheon. #06 lever is standard. Optional lever designs are available.

* Blank escutcheon "BE" available. Example: 940L-BE.

Optional trim

Dummy Pull 550DT



Heavy aluminum forged brackets with 10" (254mm) stainless steel pullbar.

Thumbturn 376T



Forged brass 7/8" (22mm) escutcheon. It is often used with a 550DT pull trim.

Only available with concealed rod devices.

Lever styles

Decorative Levers



M51
Knurling available



M52
Knurling available



M53



M54



M55



M56



M57 ..



M61
(Handed)



M62 ..
(Handed)



M63
(Handed)



M81
Knurling available



M82



M83



M84



M85
(Handed)

.. Available in Stainless Steel substrate ONLY.

Standard Levers



01



02
Knurling available



03*
Knurling available



05



06*
Default lever
Knurling available



07



12
(Handed)



16
(Omega)



17*
Knurling available



18



ACC
(Accent)
(Handed)



AST
(Asti)
(Handed)



MER
(Merano)
(Handed)



STA
(St. Annes)
(Handed)



LAT*
Latitude



LON*
Longitude

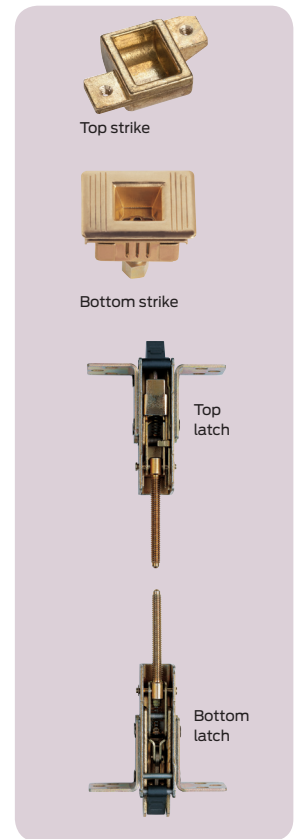
*Available in Stainless Steel - specify SS when ordering

9447/9547 INPACT™ Concealed vertical rod devices



94/95 Inpact concealed vertical rod device for use on factory prepped steel doors, not available for wood doors. The Inpact device is UL listed for panic and fire, ANSI/BHMA 156.3 Grade 1. The Inpact device is non-handed.

Finishes – US3, US4, US10, US26, US28, 313.



Hex key dogging comes standard on 94/95 Concealed vertical rod device



Specifications	
Device functions	Device ships EO, DT, TL, L Blank escutcheon (BE) available
Device lengths	2'6" Up to 2'9" for 24 ⁵ / ₃₂ " device 2'10" up to 4' for 30 ⁵ / ₃₂ " device
Device centerline from finished floor	39 ⁵ / ₈ " (1006 mm)
Projection	1 ⁵ / ₈ " (41 mm) neutral 1 ¹ / ₄ " (32 mm) depressed
Latchbolt	⁵ / ₈ " (16 mm) throw deadlocking latchbolt standard
Door undercut	¹ / ₄ " (7 mm) maximum
Top & bottom latch case assembly	4 ¹ / ₂ " X 2 ¹ / ₈ " x 1 ¹ / ₂ " (114 mm x 54 mm x 38 mm)
Vertical rods	Two-piece adjustable rods, door 6'8" (2032 mm) to 8'0" (2540 mm) can be adjusted by removing the latchside endcap
Fasteners	Included for surface mounting to recessed door prep and through bolting to trim
Electric options	QEL quiet electric latch retraction LX latchbolt monitor switch
Mechanical options	LBR less bottom rod PL pullman latch (with electric strike -ES)
Dogging option	Hex key dogging
Strikes	Top - 338 unfinished, botom - 385A unfinished

QEL

Quiet electric latch retraction

- Bolt retraction via switch
- Converts exit door to push-pull operation

LX

Latchbolt monitor switch



- Signals use of an opening
- SPDT switch to monitor latch bolt





LBR

Less bottom rod

- Available with UL Fire Label
- For pairs of vertical rod devices

Standard trim

	EO	DT	TL
			
	Exit only	Dummy trim Pull when dogged	Thumbturn key Key locks & unlocks (Use with DT trim)
Product description	9447EO 9547EO	9447DT 9547DT	9447TL 9547TL
Trim description	—	550DT	550DT x 376T
Escutcheon plate size	—	—	7 1/2" x 1 11/16" (190mm x 43mm)
Pull overall length	—	3 5/8" x 11 9/16" (93 mm / 294mm)	—
Pull center to center	—	10" (254 mm)	—
Projection/Offset	—	2 5/8" x 1 7/8" (67 mm / 48mm)	2 5/8" x 1 7/8" (67 mm x 48mm)
ANSI function	01	02	11 or 12
Cylinder type	—	—	1 1/4" Mortise
Handing	—	—	—

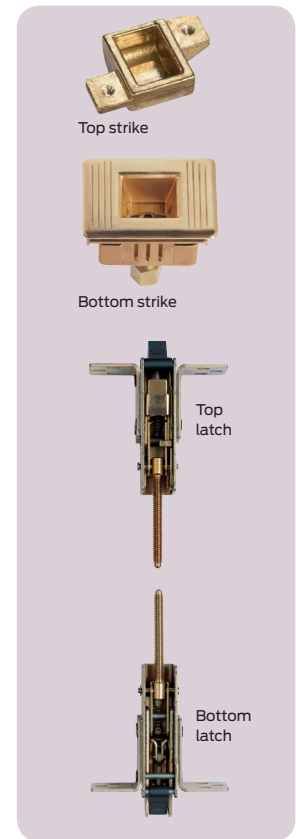
	L	L-BE	L-DT	L-NL
				
	Lever Key locks & unlocks	Lever - Blank escutcheon Always operable (no cylinder)	Lever dummy trim Pull when dogged	Lever-night latch Unlocks lever, relocks upon key removal
Product description	9447L 9547L	9447L-BE 9547L-BE	9447L-DT 9547L-DT	9447L-NL 9547L-NL
Trim description	940L	940L-BE	940L-DT	940L-NL
Escutcheon plate size	8" x 2 1/4" x 1 1/8" (203 x 57 x 29 mm)	8" x 2 1/4" x 1 1/8" (203 x 57 x 29 mm)	8" x 2 1/4" x 1 1/8" (203 x 57 x 29 mm)	8" x 2 1/4" x 1 1/8" (203 x 57 x 29 mm)
Pull center to center	—	—	—	—
Projection	2 3/32" (75 mm)	2 3/32" (75 mm)	2 3/32" (75 mm)	2 3/32" (75 mm)
ANSI function	08	14	02	03
Cylinder type	1 1/4" Mortise	—	—	1 1/4" Mortise
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible

9447/9547 INPACT™ Concealed vertical rod fire exit device



94/95 Inpact concealed vertical rod fire exit device for use on factory prepped steel doors, not available for wood doors. The Inpact device is UL listed for panic and fire, ANSI/BHMA 156.3 Grade 1. The Inpact device is non-handed.

Finishes – US3, US4, US10, US26, US28, 313.



Specifications	
Device functions	Device ships EO, TL, L Blank escutcheon (BE) available
Device lengths	2'6" up to 2'9" for 24 ⁵ / ₃₂ " device 2'10" up to 4' for 30 ⁵ / ₃₂ " device
Device centerline from finished floor	39 ⁵ / ₈ " (1006 mm)
Projection	1 ⁵ / ₈ " (41 mm) neutral 1 ¹ / ₄ " (32 mm) depressed
Latchbolt	⁵ / ₈ " (16 mm) throw deadlocking latchbolt standard
Door undercut	1/4" (7 mm) maximum
Top & bottom latch case assembly	4 ¹ / ₂ " x 2 ¹ / ₈ " x 1 ¹ / ₂ " (114 mm x 54 mm x 38 mm)
Vertical rods	Two-piece adjustable rods, door 6'8" (2032 mm) to 8'0" (2540 mm) Can be adjusted by removing the latchside endcap
Fasteners	Included for surface mounting to recessed door prep and through bolting to trim
Electric options	QEL Quiet electric latch retraction LX Latchbolt monitor switch
Mechanical options	LBR Less bottom rod PL Pullman latch (with electric strike -ES)
Dogging option	No mechanical dogging
Strikes	Top - 338 unfinished, botom - 385A unfinished

QEL
Quiet electric latch retraction

- Bolt retraction via switch
- Converts exit door to push-pull operation

LX
Latchbolt monitor switch


- Signals use of an opening
- SPDT switch to monitor latch bolt




LBR
Less bottom rod

- Available with UL Fire Label
- For pairs of vertical rod devices

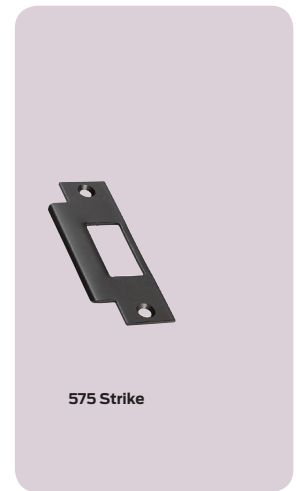


Standard trim

	EO	TL
		 <p>Thumbturn key key locks & unlocks (use with DT trim)</p>
	Exit only	
Product description	9447EO -F 9547EO-F	9447TL-F 9547TL-F
Trim description	—	550DT x 376T
Escutcheon plate size	—	7 1/2" x 1 11/16" (190mm x 43mm)
Pull center to center	—	—
Projection/Offset	—	2 3/8" x 1 7/8" (67 mm x 48mm)
ANSI function	01	11 or 12
Cylinder type	—	1 1/4" Mortise
Handing	—	—

	L	L-BE	L-NL
	 <p>Lever Key Locks & Unlocks</p>	 <p>Lever - Blank Escutcheon Always Operable (No Cylinder)</p>	 <p>Lever-Night Latch Unlocks Lever, Relocks Upon Key Removal</p>
Product description	9447L-F 9547L-F	9447L-BE-F 9547L-BE-F	9447L-NL-F 9547L-NL-F
Trim description	940L	940L-BE	940L-NL
Escutcheon plate size	8" x 2 1/4" x 1 1/8" (203 x 57 x 29 mm)	8" x 2 1/4" x 1 1/8" (203 x 57 x 29 mm)	8" x 2 1/4" x 1 1/8" (203 x 57 x 29 mm)
Pull center to center	—	—	—
Projection	2 3/32" (75 mm)	2 3/32" (75 mm)	2 3/32" (75 mm)
ANSI function	08	14	03
Cylinder type	1 1/4" Mortise	—	1 1/4" Mortise
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible

9475/9575 Mortise lock device



575 Strike

94/95 Inpact mortise lock device for use on factory prepped steel doors, not available for wood doors. The Inpact device is UL listed for panic and fire, ANSI/BHMA 156.3 Grade 1. The Inpact device is non-handed.

Finishes – US3, US4, US10, US26, US26D, US28, 313.

Hex key dogging comes standard on 94/95 Mortise lock device



9475/9575 Mortise lock device

Specifications	
Device functions	Device ships EO, DT, TL, L, NL Blank escutcheon (BE) available
Device lengths	2'6" up to 2'9" for 24 ⁵ / ₃₂ " device 2'10" up to 4' for 30 ⁵ / ₃₂ " device
Mortise lock centerline from finished floor	48 ¹ / ₈ " (1222 mm)
Projection	1 ⁵ / ₈ " (41 mm) neutral 1 ¹ / ₄ " (32 mm) depressed
Latchbolt	3 ³ / ₄ " (19 mm) anti-friction
Fasteners	Included for surface mounting to recessed door prep and through bolting to trim
Electric options	QEL Quiet electric latch retraction LX Latchbolt monitor switch SS7500-IN Signal switch mortise lock
Mechanical options	PL Pullman Latch (with electric strike -ES)
Dogging option	Hex key dogging
Strikes	575 - Dull black




QEL
Quiet electric latch retraction





- Bolt retraction via switch
- Converts exit door to push-pull operation

LX
Latchbolt monitor switch

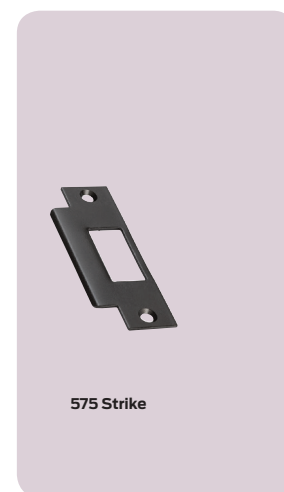
- Signals use of an opening
- SPDT switch to monitor latch bolt

Standard trim

	EO	DT	NL
			
	Exit only	Dummy Trim Pull When Dogged	Night Latch Key Retracts Latchbolt
Product description	9475EO 9575EO	9475DT 9575DT	9475NL 9575NL
Trim description	—	550DT	550DT x Cylinder
Escutcheon plate size	—	—	(40mm x 273mm x 21 mm)
Pull overall length	—	3 ⁵ / ₈ " x 11 ⁹ / ₁₆ " (93 mm / 294mm)	—
Pull center to center	—	10" (254 mm)	—
Projection	—	2 ⁵ / ₈ " x 1 ⁷ / ₈ " (67 mm / 48mm)	2 ⁵ / ₈ " x 1 ⁷ / ₈ " (67 mm x 48mm)
ANSI function	01	02	03
Cylinder type	—	—	1 ¹ / ₄ " Mortise
Handing	—	—	—

	L	L-BE	L-DT	L-NL
				
	Lever Key Locks & Unlocks	Lever - Blank Escutcheon Always Operable (No Cylinder)	Lever Dummy Trim Pull When Dogged	Lever-Night Latch Unlocks Lever, Relocks Upon Key Removal
Product description	9475L 9575L	9475L-BE 9575L-BE	9475L-DT 9575L-DT	9475L-NL 9575L-NL
Trim description	940L	940L-BE	940L-DT	940L-NL
Escutcheon plate size	8" x 2 ¹ / ₄ " x 1 ¹ / ₈ " (203 x 57 x 29 mm)	8" x 2 ¹ / ₄ " x 1 ¹ / ₈ " (203 x 57 x 29 mm)	8" x 2 ¹ / ₄ " x 1 ¹ / ₈ " (203 x 57 x 29 mm)	8" x 2 ¹ / ₄ " x 1 ¹ / ₈ " (203 x 57 x 29 mm)
Pull center to center	—	—	—	—
Projection	2 ³ / ₃₂ " (75 mm)	2 ³ / ₃₂ " (75 mm)	2 ³ / ₃₂ " (75 mm)	2 ³ / ₃₂ " (75 mm)
ANSI function	08	14	02	03
Cylinder type	1 ¹ / ₄ " Mortise	—	—	1 ¹ / ₄ " Mortise
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible

🔥 9475/9575-F Mortise lock fire exit device



575 Strike

94/95 Inpact mortise lock fire exit device for use on factory prepped steel doors, not available for wood doors. The Inpact device is UL listed for panic and fire, ANSI/BHMA 156.3 Grade 1. The Inpact device is non-handed.

Finishes – US3, US4, US10, US26, US26D, US28, 313.

Specifications

Device functions	Device ships EO, DT, TL, L Blank escutcheon (BE) available
Device lengths	2'6" up to 2'9" for 24 ⁵ / ₃₂ " device 2'10" up to 4' for 30 ⁵ / ₃₂ " device
Mortise lock centerline from finished floor	48 ¹ / ₈ " (1222 mm)
Projection	1 ⁵ / ₈ " (41 mm) neutral 1 ¹ / ₄ " (32 mm) depressed
Latchbolt	³ / ₄ " (19 mm) anti-friction, field reversible
Fasteners	Included for surface mounting to recessed door prep and through bolting to trim
Electric options	QEL Quiet electric latch retraction LX Latchbolt monitor switch SS7500-IN Signal switch mortise lock
Mechanical options	PL Pullman Latch (with electric strike -ES)
Dogging option	No mechanical dogging
Strikes	575 - Dull black

QEL

Quiet electric latch retraction

- Bolt retraction via switch
- Converts exit door to push-pull operation


LX




Latchbolt monitor switch

- Signals use of an opening
- SPDT switch to monitor latch bolt



Standard trim

	EO	NL  Night latch Key retracts latchbolt
	Exit only	
Product description	9475EO -F 9575EO-F	9475NL-F 9575NL-F
Trim description	—	550DT x 376T
Escutcheon plate size	—	7 1/2" x 1 11/16" (190mm x 43mm)
Pull center to center	—	—
Projection/Offset	—	2 3/8" x 1 7/8" (67 mm x 48mm)
ANSI function	01	11 or 12
Cylinder type	—	1 1/4" Mortise
Handing	—	—

	L  Lever Key locks & unlocks	L-BE  Lever - Blank Escutcheon Always operable (no cylinder)	L-NL  Lever-night latch Unlocks lever, relocks upon key removal
Product description	9475L-F 9575L-F	9475L-BE-F 9575L-BE-F	9475L-NL-F 9575L-NL-F
Trim description	940L	940L-BE	940L-NL
Escutcheon plate size	8" x 2 1/4" x 1 1/8" (203 x 57 x 29 mm)	8" x 2 1/4" x 1 1/8" (203 x 57 x 29 mm)	8" x 2 1/4" x 1 1/8" (203 x 57 x 29 mm)
Pull center to center	—	—	—
Projection	2 3/32" (75 mm)	2 3/32" (75 mm)	2 3/32" (75 mm)
ANSI function	08	14	03
Cylinder type	1 1/4" Mortise	—	1 1/4" Mortise
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible

INPACT™ Device options & accessories

QEL Quiet electric latch retraction

The QEL feature allows for the remote unlatching of exit devices. A control station operator can flip a switch to retract the latch bolt and immediately change an exit door to push-pull operation. Different than the popular EL, the QEL quiet operation is achieved using an electric drive motor which retracts the latch bolt either momentary unlatching or for extended periods of time. This feature is an alternative to manual dogging.

If cylinder dogging is required, the standard cylinder dogging is not available, but special center case dogging is available, specify

SD-QEL. SD-QEL is not available on the 9875 or 9975 devices.

QEL devices are also useful with automatic door operators, and may be applied to fire-rated applications when under the control of an automatic fire alarm system.

UL approved for Class II circuit applications.

The QEL option does not include the power transfer from door to frame, the power supply, or the control operator. Refer to EPT-2 power transfer and the PS902 or 914 power supply.

The PS902/914 with the 2RS, 4RL or 4R board is the minimum required. Other option boards available for other functions, see PS902/914 power supply for additional information.

The QEL has a low inrush current, so it can be used with standard Schlage power supplies. Calculate the peak current draw of all devices in the system to determine the required amperage of the supply.

QEL Electrical load	
Voltage	24VDC
Current	1.0 A Inrush (0.5 sec.) / 0.14 A Holding

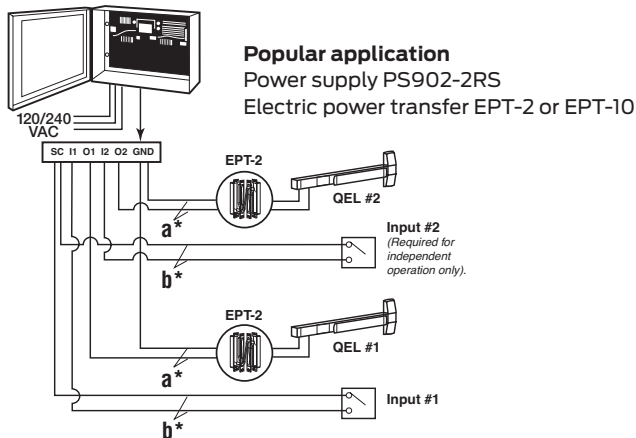
The 900-2RS option board designed to control two electric latch retraction devices and provide time delay between the firing of outputs is required. The power transfer is also sold separately.

Schlage PS902	Schlage PS904	Schlage PS906
up to 2 amps	up to 4 amps	up to 6 amps

To order, specify:

Standard — use prefix QEL, example QEL94L.

Special center case dogging — use prefix SD-QEL, example SD-QEL94L



Popular application

Power supply PS902-2RS

Electric power transfer EPT-2 or EPT-10

a*	Distance (one-way)	Wire gauge
	200´	18 AWG
	320´	16 AWG
	500´	14 AWG
	800´	12 AWG

b*	Wire selection	Switch wire size
	1200 ft. Max.	18 gauge standard

Latchbolt monitoring

The latchbolt monitor or (LX) feature gives an electronic signal when someone enters an opening from the trim side of the door. The device can then be connected to a security console or may be used as a single door alarm when used with a horn and power supply. The (LX) switch is located inside the device's pushpad on a concealed vertical rod device. For a mortise device, the switch is located inside the mortise lock. Electrical Ratings: 0.5 Amp., 24 VDC.

To Order: Specify prefix LX.

INPACT accessories

Cylinders are not furnished with device or trim and must be specified when ordering. Mortise lock exit devices and the 940L use mortise-type cylinders.



Less bottom rod

The less bottom rod (LBR) option is available for concealed vertical rod devices. In lieu of a bottom rod and latch, a spring-loaded auxiliary bolt is installed in the lower door edge.

When exposed to heat, during a fire, the auxiliary latch releases, keeping the doors in alignment and closed. UL listed for 3 hours on double egress doors and for 90 minutes on doors swinging in the same direction. The LBR option is not recommended for exterior door openings or where security is critical.

INPACT™ Trim selection

Trim number and dimensions	550DT	550 DT x Cylinder	940L	550DT x 376T		
	01 Exit only	02 Pull when dogged	03 Key retracts latch bolt	08 Key locks lever 11 Key locks thumbturn		
Device/Trim center line to finished floor						
Projection	—	$2\frac{5}{8}$ "	$2\frac{5}{8}$ "	$3\frac{1}{8}$ "	$1\frac{13}{16}$ " / $2\frac{5}{8}$ "	
Concealed vertical rod	Panic	9447EO	9447DT	—	9447TL	
		9547EO	9547DT	—	9547TL	
	Fire	9447EO-F	—	—	9447L-F	9447TL-F
		9547EO-F	—	—	9547L-F	9547TL-F
	Ctr. line	$39\frac{5}{8}$ (1006mm)	A $39\frac{5}{8}$ (1006mm) B $39\frac{5}{8}$ (1006mm)	—	A $39\frac{5}{8}$ (1006mm) B $39\frac{5}{8}$ (1006mm)	A $39\frac{5}{8}$ (1006mm) B $53\frac{1}{2}$ (1359mm)
Mortise lock	Panic	9475EO	9475DT	9475NL	9475L	
		9575EO	9575DT	9575NL	9575L	
	Fire	9475EO-F	—	9475NL-F	9475L-F	
		9575EO-F	—	9575NL-F	9575L-F	
	Ctr. Line	$39\frac{5}{8}$ (1006mm)	A $39\frac{5}{8}$ (1006mm) B $39\frac{5}{8}$ (1006mm)	—	A $39\frac{5}{8}$ (1006mm) B $39\frac{5}{8}$ (1006mm)	—
Cylinder type required	Vert. rod device	—	—	—	Mortise*	Mortise*
	Mortise device	—	—	Mortise*	—	Mortise*

*See page 13 for cylinder information.

UL Listings, Fire exit hardware label / Opening size





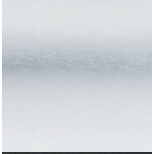

UL Listed – fire exit hardware label/opening size

Exit device	Single door	Double door	
		Same direction**	Double egress
9475-F	3 Hour		
9575-F	4' x 10'		
9447-F		90 Minute	3 Hour
9547-F		8' x 10'	8' x 10'
9447LBR-F		90 Minute	3 Hour
9547LBR-F		8' x 10'	8' x 10'

Consult your door manufacturer for maximum listed door height.

Finishes

Finishes*

	Color	US Number	BHMA Number
	Chromium, polished	US26	625
	Chromium, dull	US26D	626
	Brass, polished	US3	605
	Brass, dull	US4	606
	Aluminum, anodized	US28	628
	Duranodic dark bronze	313	710

* Note: Durable powder coated finishes available at specific special request. PLEASE CONTACT FACTORY.

About Allegion

Allegion (NYSE: ALLE) creates peace of mind by pioneering safety and security. As a \$2 billion provider of security solutions for homes and businesses, Allegion employs more than 8,000 people and sells products in more than 120 countries across the world. Allegion comprises more than 25 global brands, including strategic brands CISA®, Interflex®, LCN®, Schlage® and Von Duprin®.

For more, visit www.allegion.com

aptiQ ■ LCN ■ **SCHLAGE** ■ STEELCRAFT ■ VON DUPRIN

VON DUPRIN®

33A/35A™
Series

Exit devices



Introduction

The proper selection and application of exit hardware, in addition to safety, are major concerns to all responsible manufacturers. Exit devices are a critical part of a door opening or access system and will provide safe and reliable service when properly applied and maintained. It is the policy of Von Duprin to design and manufacture exit devices to a high standard of quality and reliability in accordance with accepted U.S. domestic and international standards.

It is intended that the information included in this publication, when properly used, will provide clear and reliable guidelines to the proper general selection and application. However, the scope of the information is necessarily limited.



Von Duprin pushpad exit devices are available in two external surface styles, designated 33A Series and 35A Series. The two styles are mechanically and dimensionally identical and provide a wide selection of appearance options.

The Quiet One®

A fluid damper decelerates the pushpad on its return stroke and eliminates most noise associated with exit device operations. Furnished on all 33A/35A Series exit devices.



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877-671-7011

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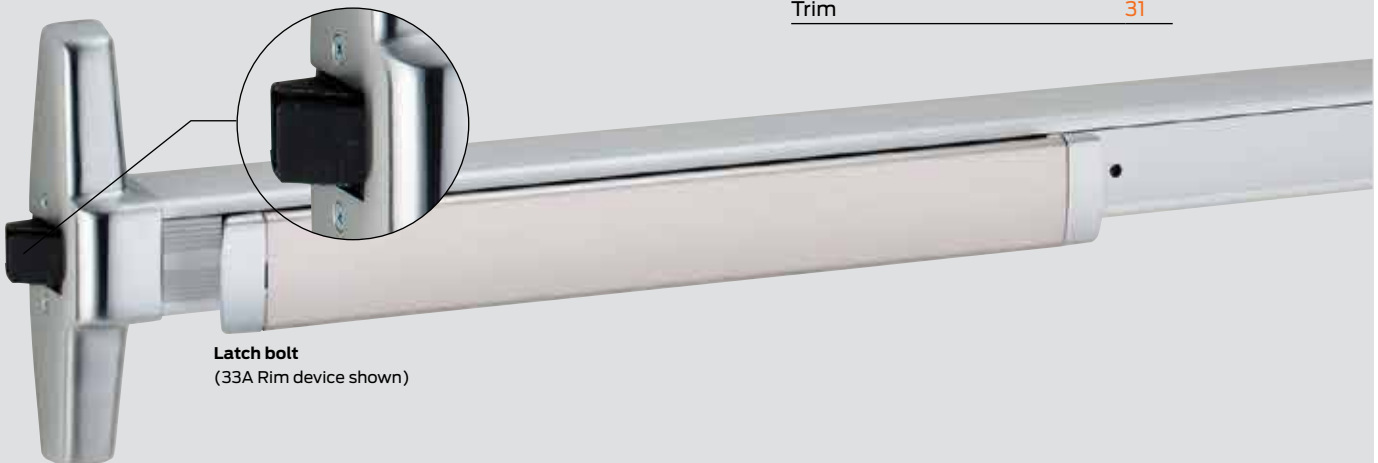
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Deadlocking latchbolt

Deadlocking latchbolt prevents forced latchbolt retraction providing higher security for your openings.




Latch bolt
(33A Rim device shown)

Options and accessories

Applications & trim operation	Trim selection Optional trim
Trim options	Optional levers Optional trim Trim selection Operation options
Strike options	Optional strikes
Additional information	ANSI Grade, type & function Device dimensions Finishes Fire label ratings/applications Handing How-to-order information Nomenclature Popular double door applications Minimum stile information

Symbols

-  Indicates fire rated application
-  Indicates ADA products

Electrical options	ALK Exit alarm kit CX Chexit delayed exit RX Request to exit WP-RX Request to exit E-Trim LX Latch bolt monitoring EL Electric latch retraction QEL Electric latch retraction SS Signal switch PN Pneumatic LBR/LBL Less bottom rod/latch PL Pullman Latch RG-27 Vertical rod and latch guard Dummy pushpad CD Cylinder dogging CDK, HDK Cylinder dogging and Hex key dogging kits GBK Glass bead kit Cylinders CON Allegion Connect
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Electrical accessories	Power supplies PS902 PS914 EPT Electric power transfer
-------------------------------	---

How to order information

Rim devices, specify:

- Exit device model number with trim selection. Examples: 33A-EO (exit only with no outside trim). 33A-NL (includes 386NL trim). 33A-NL-OP (includes the 388 trim less pull).
- Size 4' (1219mm) for door sizes 2' 10" (940mm) to 4' (1219mm). Size 3' (914mm) for door sizes 2' 4" (792mm) to 3' (914mm) is shipped standard.
- Door thickness if other than 1 3/4" (44mm).
- Door and frame material if other than aluminum.
- Finish, see page 38.
- Handing required on "L", "SS", or "386NL". Specify LHR or RHR. See page 7.

Vertical rod devices, specify:

- Exit device model number with trim selection. Examples: 3327A-EO (exit only with no outside trim.) 3327A-TL-OP (includes 360T Control) 3327A-TL (includes 374T and 386DT).
- Size 2' (1219mm) for door sizes 2' (610mm). Size 3' (914mm) for door sizes 2' 2" (792mm) to 3' (914mm) is shipped standard. Size 4' (1219mm) for door sizes 2' 8" (940mm) to 4' (1219mm).
- Door thickness if other than 1 3/4" (44mm).
- Door height if greater than 7' (2134mm) surface vertical rod device (8' 4" for concealed devices) or extension rods will be supplied.
- Door and frame material if other than aluminum or hollow metal.
- Finish, see page 38.
- Handing required on "L", "SS", or "386NL". Specify LHR or RHR. See page 7.

Pullman latches are optional for 3327A/3527A and 3347A/3547A devices. Latchbolts remain extended at all times. Specify "Pullman Latch" when required.

Device trim, cross-reference*:

33/35 Devices	Status	33A/35A Devices
333NL-TP	Replaced	386NL
333DT	Replaced	386DT
337NL-TP	Replaced	386NL
337DT	Replaced	386DT
334	Replaced	388
334 x 550	Replaced	388 x 550
370L	Replaced	360L
370T	Replaced	360T
372L	Replaced	360L
374T x 333DT	Replaced	374T x 386DT
—	New	374T x 392-6
376T x 337DT	Replaced	376T x 386DT
—	New	376T x 392-6
3308NL	Obsolete	—
3308DT	Obsolete	—
—	New	388 x Ives 8190 Series Pull
—	New	360T x Ives 8190 Series Pull

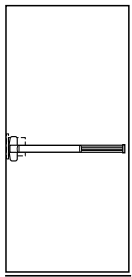
*New trims not compatible with old devices, neither are old trims with new devices.

Nomenclature – how to order

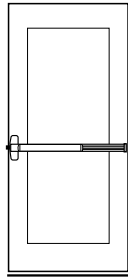
		EL	33	27A	-L	-16	-F	LBR	3'	US3	RHR
CD	Cylinder dogging - panic only										
CX	Chexit delayed egress										
EL	Electric latch retraction										
HD-EL	Electric latch retraction with hex dogging										
QEL	Quiet electric latch										
HH	Hurricane										
LD	Less dogging										
LX	Latchbolt monitoring										
LX-LC	Latch bolt monitor low current										
LX-RX	Latchbolt monitor / request to exit										
LX-RX-LC	Latchbolt monitor / request to exit low current										
PL	Pullman latch										
PN	Pneumatic										
RX	Request to exit										
RX-LC	Request to exit low current										
RX2	Request to exit double switch										
SS	Signal switch										
AX	Accessible device										
WP-RX	Waterproof request to exit										
35A	Series 35A-smooth										
33A	Series 33A-grooved										
A	Rim device										
27A	Surface mounted vertical rod device										
47A	Concealed vertical rod device										
48A	Concealed vertical rod device										
49A	Concealed vertical cable device										
DT	Dummy trim										
EO	Exit only										
L	Lever (classroom)										
L-BE	Lever-blank escutcheon (passage)										
L-DT	Lever-dummy trim										
L-NL	Rigid Lever - Night latch (key retracts latchbolt)										
NL	Night latch (key retracts latchbolt)										
NL-OP	Night latch cylinder assembly – optional pull										
T	Thumbturn										
TL	Turn Lever										
T-BE	Thumbturn-blank escutcheon										
TL-BE	Turn Lever-blank escutcheon (Passage)										
XX	Lever Style 06 standard Optional 01, 02, 02KN, 03, 03KN, 05, 06KN, 07, 12 (handed), 16, 17, 17KN, 18, ACC, AST, MER, STA										
F	Fire Exit Device 27A, 47A, 48A, 49A Only										
LBR	Less Bottom Rod										
LBL	Less Bottom Latch										
ALK	Standard Alarm Kit										
ALK-AR1	Auto-Reset 1½ minute alarm kit										
ALK-AR3	Auto-Reset 3 minute alarm kit										
ALK-AR6	Auto-Reset 4½ minute alarm kit										
CON	Allegion Connect										
2'	2' Device (2' Door Size) 27A, 47A or 49A only										
3'	3' Device (2' 4"– 3' Door Size)										
4'	4' Device (2' 10"– 4' Door size)										
Finishes	US3, US4, US10, US15 (35A only), US26, US26D, US26D-AM, US28, 313, 315										
HR	Handing – RHR or LHR										

Popular double door applications

Single door applications

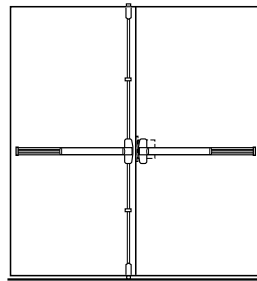


Single mortise lock device

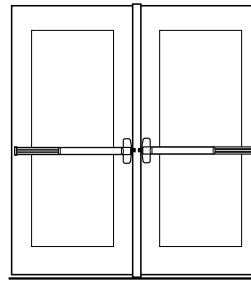


Single rim device

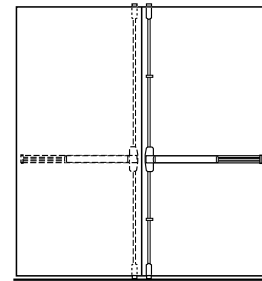
Double door applications



Mortise lock and surface mounted or concealed vertical cable/rod device combination—same direction

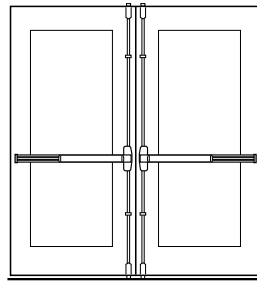
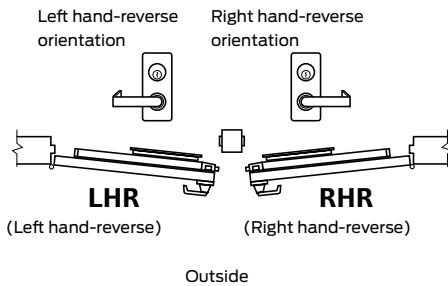


Two rim devices with mullion—same direction

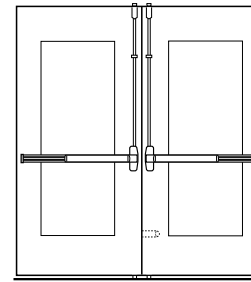


Two vertical rods—double egress

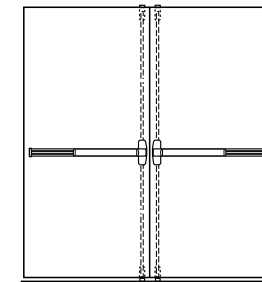
Door handing



Two surface mounted vertical rod devices—same direction (do not use with overlapping astragal)



Two Fire Exit Hardware vertical cables/rods with auxiliary fire latch-LBR option



Two concealed vertical cables/rods

Trim Operation lever

Standard



Key locks and unlocks lever. e.g., 360L (Classroom)

Night latch



Key unlocks lever, lever is relocked when key is removed. Use NL suffix, e.g., 360LNL (Storeroom)

Blank escutcheon



Lever always active. Use BE suffix, e.g., 360L-BE. (Passage)

Dummy



Lever is rigid for pull operation. Use DT suffix, e.g., 360L-DT.

374T/376T Series thumbturn control



Standard operation, key locks and unlocks thumbturn. Optional operation, key unlocks thumbturn, re-locks when key is removed. This operation is created by changing the cylinder plate included with control. Use 1 1/2" mortise cylinder with a straight cam. Schlage cam reference B502-191. Not available for 3349/3549 devices.

E360 Series controls

The E360 series controls provide the same choice of lever or thumbturn control of the 33A/35A Series exit device. Additionally, these trims have the advantage of being electrically controllable by a remote switching device, an access control system or automatic fire alarm system. The trim operates with a rotary solenoid that controls the locking cam the same way the standard cylinder works. These trims are available as -BE (Blank Escutcheon) function only. These trims are designed for use with the rim, surface vertical and concealed vertical 33A/35A Series exit device. No cylinder override.

Options:

- Available in all device finishes
- 24VDC Solenoid (.5 amp draw)
- Fail Safe (FS) or Fail Secure (FSE)
- Blank Escutcheon (BE) only

To order, specify:

1. FSE or FS
2. Handing - (Lever control) field reversible
3. EPT-2/EPT-10 Power Transfer or Electric Hinge will be used

Lever styles



M51
Knurling available



M52
Knurling available



M53



M54



M55



M56



M57 ..



M61
(Handed)



M62 ..
(Handed)



M63
(Handed)



M81
Knurling available



M82



M83



M84



M85
(Handed)

.. Available in Stainless Steel substrate ONLY.

Standard Levers



01



02
Knurling available



03*
Knurling available



05



06*
Default lever
Knurling available



07



12
(Handed)



16
(Omega)



17*
Knurling available



18



ACC
(Accent)
(Handed)



AST
(Asti)
(Handed)



MER
(Merano)
(Handed)



STA
(St. Annes)
(Handed)



LAT*
Latitude



LON*
Longitude

*Available in Stainless Steel - specify SS when ordering

33A/35A Rim device



1439 Roller ships standard, optional strikes available



299 Strike needs to be specified for Hollow Metal Frames

33A and 35A for all types of single and double doors with mullion, UL listed for panic exit hardware. Devices are ANSI A156.3 – 2001 Grade 1. The 35A has a smooth mechanism case and the 33A has grooved case. The rim device is non-handed except when the SS (signal switch) option is used. See opposite page for available outside trim and device functions.

33A/35A fits door stiles as narrow as 1 3/4" (44mm). Newly designed device has a one piece center case cover.

Finishes – US3, US4, US10, US15 (35A Only) US26, US26D, US26D-AM, US28, 313 and 315.

Specifications

Device lengths	3' 2' 4" to 3' (711mm to 914 mm) Door size 4' 2'10" to 4' (864 mm to 1219 mm) Door size
Device centerline from finished floor	39 13/16" (1011 mm) 39 11/16" (1008 mm) with Mullion
Center case dimensions	8 3/16" x 1 9/16" x 2 13/32" (208mm x 40mm x 62mm)
Mechanism case dimensions	2 1/4" x 2 1/4" (57mm x 57mm)
Projection	Pushbar Neutral – 3 13/16" (97 mm) Pushbar Depressed – 3 1/16" (78 mm)
Latch bolt	Deadlocking, 3/4" (19mm) throw
Fasteners & sex bolts (SNB)	Includes 1 3/4" (44mm) – 2 1/4" (57mm) wood & metal doors #425 SNB furnished standard for end case #325 SNB furnished standard for EO (exit only device)
Electric options	ALK Alarm kit CX Chexit delayed exit EL Electric latch retraction HD-EL Electric latch retraction with hex dogging QEL Quiet electric latch retraction RX Request to exit, WP-RX waterproof option LX Latchbolt monitoring LX-RX Request to exit / latchbolt monitoring RX-LC, LX-LC, LX-RX-LC Low current option for RX, LX, LX-RX SS Signal switch CON Allegion Connect
Mechanical options	AX Accessible device
Miscellaneous options	GBK Glass bead kit PN Pneumatic SG Safety glow SEC Security screws SNB Sex bolts
Dogging feature	Hex Dogging standard CD Cylinder dogging LD Less dogging
Strikes	1439 – Dull black Optional strikes

QEL
Quiet electric latch retraction

- Bolt retraction via switch
- Converts exit door to push-pull operation

AX
Accessible device

- UL certified to meet new 5 lb. maximum operating force requirement
- Exceeds ANSI/BHMA requirements

CX
Chexit delayed exit

- Meets NFPA 101 requirements
- Self-contained controls, locking, alarm

ALK
Alarm exit kit

- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key

EL
Electric latch retraction

- Enables remote unlatching
- Alternative to manual dogging

RX
Pushpad monitor switch

- Signals use of an opening
- SPDT switch to monitor pushpad

E (E360L)
Electric lever trim

- Electrified remote locking/unlocking
- Fail safe & fail secure options available
- No key override

CON
Allegion Connectors

- Common connectors to connect various door hardware all the way to the power supply

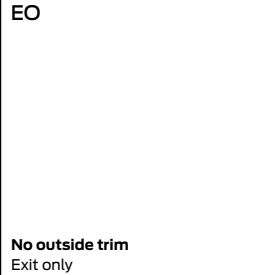



PN
Pneumatic latch retraction





- For areas where electrical devices banned
- Special linkage for mechanical or pneumatic dogging

CD
Cylinder dogging

- Replaces hex key dogging
- Requires standard 1 1/4" mortise cylinder

Standard trim

	EO	DT	NL	NL-OP
				
Product description	33A-EO 35A-EO	33A-DT 35A-DT	33A-NL 35A-NL	33A-NL-OP 35A-NL-OP
Trim description	—	386DT	386NL	388
Base size	—	7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm)	7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " (190x43mm)
Grip size	—	8 ¹ / ₂ " x 4 ⁹ / ₁₆ " (216x110mm)	8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm)	—
Projection	—	2 ⁷ / ₁₆ " (62mm)	2 ⁷ / ₁₆ " (62mm)	1" (25mm)
ANSI function	01	02	03	03
Cylinder type	—	—	Rim	Rim
Handing	—	—	Handed	—
Optional trim	—	x360L-DT x550DT x IVES 8190	—	x550DT x IVES 8190 10"

	L	L-BE	T	T-BE
				
Product description	33A-L 35A-L	33A-L-BE 35A-L-BE	33A-T 35A-T	33A-T-BE 35A-T-BE
Trim description	360L	360L-BE	360T	360T-BE
Base size	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)
Grip size	—	—	—	—
Projection	3" (76mm)	3" (76mm)	1 ¹³ / ₁₆ " (46mm)	1 ¹³ / ₁₆ " (46mm)
ANSI function	08 or 09 field selectable	—	11 or 12 field selectable	—
Cylinder type	1 ¹ / ₄ " Mortise	—	1 ¹ / ₄ " Mortise	—
Handing	Handed/Reversible	Handed/Reversible	—	—
Optional trim	—	E360L-BE	—	E360T-BE

Note: 360L & 360T used on wood door require the 33A-WDA cover plate

Notes

33A-F/35A-F Rim fire exit device



33A-F and 35A-F for all types of single and double fire rated doors with mullion, UL listed for Fire Exit Hardware. See page 47 for detailed information on UL listed fire exit hardware label and door opening size information. Devices are ANSI A156.3 – 2008 Grade 1. The 35A has a smooth mechanism case and the 33A has grooved case. The rim device is non-handed except when the SS (signal switch) option is used. See opposite page for available outside trim and device functions.

33A/35A fits door stiles as narrow as 1 3/4" (44mm).

Finishes – US3, US4, US10, US15 (35A Only) US26, US26D, US26D-AM, US28, 313 and 315.



Specifications

Device lengths	3' 2' 4" to 3' (711mm to 914 mm) Door size 4' 2'10" to 4' (864 mm to 1219 mm) Door size
Device centerline from finished floor	39 13/16" (1011 mm) 39 11/16" (1008 mm) with Mullion
Center case dimensions	8 3/16" x 1 9/16" x 2 13/32" (208mm x 40mm x 62mm)
Mechanism case dimensions	2 1/4" x 2 1/4" (57mm x 57mm)
Projection	Pushbar Neutral – 3 13/16" (97 mm) Pushbar Depressed – 3 1/16" (78 mm)
Latch bolt	Deadlocking, 3/4" (19mm) throw
Fasteners & sex bolts (SNB)	Includes 1 3/4" (44mm) – 2 1/4" (57mm) wood & metal doors #425 SNB furnished standard for end case #325 SNB furnished standard for EO (exit only device)
Electric options	ALK Alarm kit CX Chexit delayed exit EL Electric latch retraction QEL Quiet electric latch retraction RX Request to exit, WP-RX waterproof option LX Latchbolt monitoring LX-RX Request to exit / latchbolt monitoring RX-LC, LX-LC, LX-RX-LC Low current option for RX, LX, LX-RX SS Signal switch CON Allegion Connect
Mechanical options	AX Accessible device
Miscellaneous options	GBK Glass bead kit PN Pneumatic SG Safety glow SEC Security screws SNB Sex bolts
Strikes	299F – Dull black, 499F with mullions

QEL
Quiet electric latch retraction

- Bolt retraction via switch
- Converts exit door to push-pull operation

AX
Accessible device

- UL certified to meet new 5 lb. maximum operating force requirement
- Exceeds ANSI/BHMA requirements

CX
Chexit delayed exit

- Meets NFPA 101 requirements
- Self-contained controls, locking, alarm

ALK
Alarm exit kit

- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key

EL
Electric latch retraction

- Enables remote unlatching
- Alternative to manual dogging

RX
Pushpad monitor switch

- Signals use of an opening
- SPDT switch to monitor pushpad




E (E360L)
Electric lever trim





- Electrified remote locking/unlocking
- Fail safe & fail secure options available
- No key override

CON
Allegion Connectors

- Common connectors to connect various door hardware all the way to the power supply

Standard trim

	EO	NL	NL-OP
			
Product description	33A-EO-F 35A-EO-F	33A-NL-F 35A-NL-F	33A-NL-OP-F 35A-NL-OP-F
Trim description	—	386NL	388
Base size	—	7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " (190x43mm)
Grip size	—	8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm)	—
Projection	—	2 ⁷ / ₁₆ " (62mm)	1" (25mm)
ANSI function	01	03	03
Cylinder type	—	Rim	Rim
Handing	—	Handed	—
Optional trim	—	—	x550DT x IVES 8190 10"

	L	L-BE	T	T-BE
				
Product description	33A-L-F 35A-L-F	33A-L-BE-F 35A-L-BE-F	33A-T-F 35A-T-F	33A-T-BE-F 35A-T-BE-F
Trim description	360L	360L-BE	360T	360T-BE
Base size	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)
Grip size	—	—	—	—
Projection	3" (76mm)	3" (76mm)	1 ¹³ / ₁₆ " (46mm)	1 ¹³ / ₁₆ " (46mm)
ANSI function	08 or 09 field selectable	—	11 or 12 field selectable	—
Cylinder type	1 ¹ / ₄ " Mortise	—	1 ¹ / ₄ " Mortise	—
Handing	Handed/Reversible	Handed/Reversible	—	—
Optional trim	—	E360L-BE	—	E360T-BE

Note: 360L & 360T used on wood door require the 33A-WDA cover plate

Notes

3327A/3527A Surface mounted vertical rod device



3327A and 3527A for all types of single and double doors, UL listed for panic exit hardware. Devices are ANSI A156.3 – 2001 Grade 1. The 3527A has a smooth mechanism case and the 3327A has grooved case. The surface vertical rod device is non-handed except when the SS (signal switch) option is used. See opposite page for available outside trim and device functions.

3327A/3527A fits door stiles as narrow as 1 3/4" (44mm). Newly designed device has a one piece center case cover.

Finishes – US3, US4, US10, US15 (35A Only) US26, US26D, US26D-AM, US28, 313 and 315.



Specifications

Device lengths	2' 2" (610 mm) Door size 3' 2 1/4" to 3' (660mm to 914 mm) door size 4' 2 8/11" to 4' (813 mm to 1219 mm) door size
Device centerline from finished floor	39 13/16" (1006mm)
Center case dimensions	8 13/16" x 2 13/32" x 1 9/16" (208mm x 62mm x 40mm)
Mechanism case dimensions	2 1/4" x 2 1/4" (57mm x 57mm)
Projection	Pushbar neutral – 3 13/16" (97 mm) Pushbar depressed – 3 1/16" (78 mm)
Latch bolt	Deadlocking anti-friction top & bottom bolt 5/8" (16mm) throw
Door undercut	1/4" (7mm)
Top & bottom latch	4 1/2" x 2 1/8" x 1 1/2" (114mm x 54mm x 38mm)
Vertical rods	1/2" square tubing, standard rods accommodate 7' (2134mm) door Top rod length is 34 15/16" (887mm) Bottom rod length is 31 1/4" (794mm) Extension rods available 1' (205mm) or 3' (914mm) for doors over 7' One piece top rod available for 8' (2438mm) -10' (3048mm) door
Fasteners & sex bolts (SNB)	Includes 1 3/4" (44mm) – 2 1/4" (57mm) wood & metal doors #425 SNB furnished standard for end case #325 SNB furnished standard for EO (exit only device) #325 SNB furnished for top and bottom latches
Electric options	ALK Alarm kit CX Chexit delayed exit EL Electric latch retraction HD-EL Electric latch retraction with hex dogging QEL Quiet electric latch retraction RX Request to exit, WP-RX waterproof option LX Latchbolt monitoring LX-RX Request to exit / latchbolt monitoring RX-LC, LX-LC, LX-RX-LC Low current option for RX, LX, LX-RX SS Signal switch CON Allegion Connect
Miscellaneous options	GBK Glass bead kit PL Pullman latch PN Pneumatic LBR Less bottom rod SG Safety glow SEC Security screws SNB Sex bolts
Dogging feature	Hex dogging standard CD Cylinder dogging LD Less dogging
Strikes	Top – 266 – Dull black, bottom – 248L4 & 304L – Unfinished Optional strikes

QEL
Quiet electric latch retraction

- Bolt retraction via switch
- Converts exit door to push-pull operation

RX
Pushpad monitor switch

- Signals use of an opening
- SPDT switch to monitor pushpad

E (E360L)
Electric lever trim

- Electrified remote locking/unlocking
- Fail safe & fail secure options available
- No key override

ALK
Alarm exit kit

- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key

DI
Dogging Indicator

- Monitor dogging status without a control panel
- Red indicator light shows visibility to dogging from over 75 feet

CON
Allegion Connectors

- Common connectors to connect various door hardware all the way to the power supply

EL
Electric latch retraction

- Enables remote unlatching
- Alternative to manual dogging






PN
Pneumatic latch retraction






- For areas where electrical devices banned
- Special linkage for mechanical or pneumatic dogging

CD
Cylinder dogging

- Replaces hex key dogging
- Requires standard 1 1/4" mortise cylinder

Standard trim

	EO	DT	NL	NL-OP	TL
					
	Exit only no outside trim	Dummy trim pull when dogged	Night latch key retracts latchbolt	Night latch key retracts latchbolt optional pull required	Thumbturn key locks & unlocks
Product description	3327A-EO 3527A-EO	3327A-DT 3527A-DT	3327A-NL 3527A-NL	3327A-NL-OP 3527A-NL-OP	3327A-TL 3527A-TL
Trim description	—	386DT	386NL	388	374T x 386
Base size	—	7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm)	7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm)	7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43mmx22mm)
Grip size	—	8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm)	8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm)	—	—
Projection	—	2 ⁷ / ₁₆ " (62mm)	2 ⁷ / ₁₆ " (62mm)	1" (25mm)	1 ³ / ₁₆ " (46mm)
ANSI function	01	02	03	03	11-12 field selectable
Cylinder type	—	—	Rim	Rim	1 ¹ / ₄ " Mortise
Handing	—	—	Handed	—	—
Optional trim	—	x 360L-DT x 550DT x IVES 8190	—	x 550DT x IVES 8190 10"	x 392-6

	TL-BE	L	L-BE	T	T-BE
					
	Thumbturn-blank escutcheon always operable (no cylinder)	Lever key locks and unlocks	Lever blank escutcheon always operable (no cylinder)	Thumbturn key locks and unlocks	Thumbturn always operable (no cylinder)
Product description	3327A-TL-BE 3527A-TL-BE	3327A-L 3527A-L	3327A-L-BE 3527A-L-BE	3327A-T 3527A-T	3327A-T-BE 3527A-T-BE
Trim description	374T-BE x 386	360L	360L-BE	360T	360T-BE
Base size	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)
Grip size	8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm)	—	—	—	—
Projection	1 ³ / ₁₆ " (46mm)	3" (76mm)	3" (76mm)	1 ³ / ₁₆ " (46mm)	1 ³ / ₁₆ " (46mm)
ANSI function	—	08 or 09 field selectable	—	11 or 12 field selectable	—
Cylinder type	—	1 ¹ / ₄ " Mortise	—	1 ¹ / ₄ " Mortise	—
Handing	—	Handed/Reversible	Handed/Reversible	—	—
Optional Trim	x 392-6	—	E360L-BE	—	E360T-BE

Note: 360L & 360T used on wood door require the 33A-WDA cover plate 374T used on wood door require #10-WDA cover plate

Notes

3327A-F/3527A-F Surface mounted vertical rod fire exit device



3327A-F and 3527A-F for all types of double doors up to 8' x 10' (2438mm x 2540mm), UL listed for Fire Exit Hardware. See page 47 for detailed information on UL listed fire exit hardware label and door opening size information. Devices are ANSI A156.3 – 2001 Grade 1. The 3527A-F has a smooth mechanism case and the 3327A-F has grooved case. The surface vertical rod device is non-handed except when the SS (Signal Switch) option is used. See opposite page for available outside trim and device functions.

3327A-F/3527A-F fits door stiles as narrow as 2³/₁₆" (56 mm). Newly designed device has a one piece center case cover.

Finishes – US3, US4, US10, US15 (35A Only) US26, US26D, US26D-AM, US28, 313 and 315.

Specifications

Device lengths	2' 2" (610 mm) Door size 3' 2 1/4" to 3' (660mm to 914 mm) door size 4' 2'8" to 4' (813 mm to 1219 mm) door size
Device centerline from finished floor	39 ¹³ / ₁₆ " (1006mm)
Center case dimensions	8 ¹³ / ₁₆ " x 2 ¹³ / ₃₂ " x 1 ⁹ / ₁₆ " (208mm x 62mm x 40mm)
Mechanism case dimensions	2 ¹ / ₄ " x 2 ¹ / ₄ " (57mm x 57mm)
Projection	Pushbar neutral – 3 ¹³ / ₁₆ " (97 mm) Pushbar depressed – 3 ¹ / ₁₆ " (78 mm)
Latch bolt	Deadlocking anti-friction top & bottom bolt 5/8" (16mm) throw
Door undercut	1/4" (7mm)
Top & bottom latch	4 1/2" x 2 1/8" x 1 1/2" (114mm x 54mm x 38mm)
Vertical rods	1/2" square tubing, standard rods accommodate 7' (2134mm) door Top rod length is 34 ¹⁵ / ₁₆ " (887mm) Bottom rod length is 31 1/4" (794mm) Extension rods available 1' (205mm) or 3' (914mm) for doors over 7' One piece top rod available for 8' (2438mm) -10' (3048mm) door
Fasteners & sex bolts (SNB)	Includes 1 3/4" (44mm) – 2 1/4" (57mm) wood & metal doors #425 SNB furnished standard for end case #325 SNB furnished standard for EO (exit only device) #325 SNB furnished for top and bottom latches
Electric options	ALK Alarm kit CX Chexit delayed exit EL Electric latch retraction HD-EL Electric latch retraction with hex dogging QEL Quiet electric latch retraction RX Request to exit, WP-RX waterproof option LX Latchbolt monitoring LX-RX Request to exit / latchbolt monitoring RX-LC, LX-LC, LX-RX-LC Low current option for RX, LX, LX-RX SS Signal switch CON Allegion Connect
Miscellaneous options	GBK Glass bead kit PN Pneumatic LBR Less bottom rod SG Safety glow SEC Security screws SNB Sex bolts
Strikes	Top – 266 – Dull black, bottom – 248L4 & 304L – Unfinished Optional strikes

QEL
Quiet electric latch retraction

- Bolt retraction via switch
- Converts exit door to push-pull operation

RX
Pushpad monitor switch

- Signals use of an opening
- SPDT switch to monitor pushpad

E (E360L)
Electric lever trim

- Electrified remote locking/unlocking
- Fail safe & fail secure options available
- No key override

ALK
Alarm exit kit

- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key

EL
Electric latch retraction

- Enables remote unlatching
- Alternative to manual dogging

CON
Allegion Connectors






- Common connectors to connect various door hardware all the way to the power supply






PN
Pneumatic latch retraction

- For areas where electrical devices banned
- Special linkage for mechanical or pneumatic dogging

3327A-F/3527A-F Surface mounted vertical rod fire exit device

Standard trim

	EO	DT	NL	NL-OP	TL
					
	Exit only no outside trim	Dummy trim pull when dogged (not recommended for fire device)	Night latch key retracts latchbolt	Night latch key retracts latchbolt optional pull required	Thumbturn key locks & unlocks
Product description	3327A-EO-F 3527A-EO-F	3327A-DT-F 3527A-DT-F	3327A-NL-F 3527A-NL-F	3327A-NL-OP-F 3527A-NL-OP-F	3327A-TL-F 3527A-TL-F
Trim description	—	386DT	386NL	388	374T x 386
Base size	—	7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm)	7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm)	7 ¹⁵ / ₃₂ " x 1 ¹¹ / ₁₆ " (190x43mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43mmx22mm)
Grip size	—	8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm)	8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm)	—	8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm)
Projection	—	2 ⁷ / ₁₆ " (62mm)	2 ⁷ / ₁₆ " (62mm)	1" (25mm)	1 ³ / ₁₆ " (46mm)
ANSI function	01	02	03	03	11-12 field selectable
Cylinder type	—	—	Rim	Rim	1 ¹ / ₄ " Mortise
Handing	—	—	Handed	—	—
Optional trim	—	x 360L-DT x 550DT x IVES 8190	—	x 550DT x IVES 8190 10"	x 392-6

	TL-BE	L	L-BE	T	T-BE
					
	Thumbturn-blank escutcheon always operable (no cylinder)	Lever key locks and unlocks	Lever blank escutcheon always operable (no cylinder)	Thumbturn key locks and unlocks (behind C/Case)	Thumbturn always operable (no cylinder) (behind C/Case)
Product description	3327A-TL-BE-F 3527A-TL-BE-F	3327A-L-F 3527A-L-F	3327A-L-BE-F 3527A-L-BE-F	3327A-T-F 3527A-T-F	3327A-T-BE-F 3527A-T-BE-F
Trim description	374T-BE x 386	360L	360L-BE	360T	360T-BE
Base size	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)
Grip size	8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm)	—	—	—	—
Projection	2 ⁷ / ₁₆ " (62mm)	3" (76mm)	3" (76mm)	1 ³ / ₁₆ " (46mm)	1 ³ / ₁₆ " (46mm)
ANSI function	—	08 or 09 field selectable	—	11 or 12 field selectable	—
Cylinder type	—	1 ¹ / ₄ " Mortise	—	1 ¹ / ₄ " Mortise	—
Handing	—	Handed/Reversible	Handed/Reversible	—	—
Optional Trim	x 392-6	—	E360L-BE	—	E360T-BE

Note: 360L & 360T used on Wood Door require the 33A-WDA cover plate 374T used on Wood Door require #10-WDA cover plate

Notes

3347A/3547A Concealed vertical rod device



3347A and 3547A for all types of single and double doors, UL listed for panic exit hardware. Devices are ANSI A156.3 – 2001 Grade 1. The 3547A has a smooth mechanism case and the 3347A has grooved case. The concealed vertical rod device is non-handed except when the SS (signal switch) option is used. See opposite page for available outside trim and device functions.

3347A/3547A fits door stiles as narrow as 2-1/8" (44 mm), wood door stiles as narrow as 4" (102mm). Newly designed device has a one piece center case cover.

Finishes – US3, US4, US10, US15 (35A Only) US26, US26D, US26D-AM, US28, 313 and 315.



Specifications

Device lengths	2' 2' (610 mm) Door size 3' 2'4" to 3' (660mm to 914 mm) door size 4' 2'8" to 4' (813 mm to 1219 mm) door size
Device centerline from finished floor	39 ¹³ / ₁₆ " (1006mm)
Center case dimensions	8 ¹³ / ₁₆ " x 2 ¹³ / ₃₂ " x 1 ⁹ / ₁₆ " (208mm x 62mm x 40mm)
Mechanism case dimensions	2 ¹ / ₄ " x 2 ¹ / ₄ " (57mm x 57mm)
Projection	Pushbar neutral – 3 ³ / ₁₆ " (97 mm) Pushbar depressed – 3 ¹ / ₁₆ " (78 mm)
Latch bolt	Deadlocking anti-friction top & bottom bolt 5/8" (16mm) throw
Door undercut	1/4" (7mm)
Top & bottom latch	3 ³ / ₄ " x 1 ¹ / ₂ " x 1" (89mm x 38mm x 25mm)
Vertical rods	Round 2 piece adjustable rods Top rod adjustable from 6'8" (2027mm) to 8'4" (2533mm) Bottom rod adjustable from 35 ⁵ / ₈ " (905mm) to 49 ⁵ / ₈ " (1260mm) Extension rod kits available for doors over 8'4" (2533mm)
Fasteners & sex bolts (SNB)	Includes 1 ³ / ₄ " (44mm) – 2 ¹ / ₄ " (57mm) wood & metal doors #425 SNB furnished standard for end case #325 SNB furnished standard for EO (exit only device)
Electric options	ALK Alarm kit CX Chexit delayed exit EL Electric latch retraction HD-EL Electric latch retraction with hex dogging QEL Quiet electric latch retraction RX Request to exit, WP-RX waterproof option LX Latchbolt monitoring LX-RX Request to exit / latchbolt monitoring RX-LC, LX-LC, LX-RX-LC Low current option for RX, LX, LX-RX SS Signal switch CON Allegion Connect
Miscellaneous options	GBK Glass bead kit PL Pullman latch PN Pneumatic HH Hurricane INS-2/INS-4 Insulclad kits 1/2" / 1/4" panels LBR Less bottom rod SG Safety glow SEC Security screws SNB Sex bolts
Dogging feature	Hex dogging standard CD Cylinder dogging LD Less dogging
Strikes	Top – 388 – Unfinished, bottom – 385A – Unfinished Optional strikes

QEL
Quiet electric latch retraction

- Bolt retraction via switch
- Converts exit door to push-pull operation

RX
Pushpad monitor switch

- Signals use of an opening
- SPDT switch to monitor pushpad

E (E360L)
Electric lever trim

- Electrified remote locking/unlocking
- Fail safe & fail secure options available
- No key override

ALK
Alarm exit kit

- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key

EL
Electric latch retraction

- Enables remote unlatching
- Alternative to manual dogging

CON
Allegion Connectors

- Common connectors to connect various door hardware all the way to the power supply

DI
Dogging Indicator

- Monitor dogging status without a control panel
- Red indicator light shows visibility to dogging from over 75 feet

PN
Pneumatic latch retraction






- For areas where electrical devices banned
- Special linkage for mechanical or pneumatic dogging






CD
Cylinder dogging

- Replaces hex key dogging
- Requires standard 1¹/₄" mortise cylinder

3347A/3547A Concealed vertical rod device

Standard trim

	EO	DT	NL	NL-OP	TL
					
	Exit only no outside trim	Dummy trim pull when dogged	Night latch key retracts latchbolt	Night latch key retracts latchbolt optional pull required	Thumbturn key locks & unlocks
Product description	3347A-EO 3547A-EO	3347A-DT 3547A-DT	3347A-NL 3547A-NL	3347A-NL-OP 3547A-NL-OP	3347A-TL 3547A-TL
Trim description	—	386DT	386NL	388	376T x 386
Base size	—	7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm)	7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm)	7 ¹⁵ / ₃₂ " x 1 ¹¹ / ₁₆ " (190x43mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43mmx22mm)
Grip size	—	8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm)	8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm)	—	8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm)
Projection	—	2 ⁷ / ₁₆ " (62mm)	2 ⁷ / ₁₆ " (62mm)	1" (25mm)	1 ³ / ₁₆ " (46mm)
ANSI function	01	02	03	03	11-12 field selectable
Cylinder type	—	—	Rim	Rim	1 ¹ / ₄ " Mortise
Handing	—	—	Handed	—	—
Optional trim	—	x 360L-DT x 550DT x IVES 8190	—	x 550DT x IVES 8190 10"	x 392-6

	TL-BE	L	L-BE	T	T-BE
					
	Thumbturn-blank escutcheon always operable (no cylinder)	Lever key locks and unlocks	Lever blank escutcheon always operable (no cylinder)	Thumbturn key locks and unlocks	Thumbturn always operable (no cylinder) (behind C/Case)
Product description	3347A-TL-BE 3547A-TL-BE	3347A-L 3547A-L	3347A-L-BE 3547A-L-BE	3347A-T 3547A-T	33477A-T-BE 35477A-T-BE
Trim description	376T-BE x 386	360L	360L-BE	360T	360T-BE
Base size	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)
Grip size	8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm)	—	—	—	—
Projection	2 ⁷ / ₁₆ " (62mm)	3" (76mm)	3" (76mm)	1 ³ / ₁₆ " (46mm)	1 ³ / ₁₆ " (46mm)
ANSI function	—	08 or 09 field selectable	—	11 or 12 field selectable	—
Cylinder type	—	1 ¹ / ₄ " Mortise	—	1 ¹ / ₄ " Mortise	—
Handing	—	Handed/Reversible	Handed/Reversible	—	—
Optional trim	x 392-6	—	E360L-BE	—	E360T-BE

Note: 360L & 360T used on wood door require the 33A-WDA cover plate 374T used on wood door require #10-WDA cover plate

Notes

3347A-F/3547A-F Concealed vertical rod fire exit device



3347A-F and 3547A-F for all types of double doors up to 8' x 10' (2438mm x 2540mm), UL listed for fire exit hardware. See page 47 for detailed information on UL listed fire exit hardware label and door opening size information. Devices are ANSI A156.3 – 2001 Grade 1. The 3547A-F has a smooth mechanism case and the 3347A-F has grooved case. The concealed vertical rod device is non-handed except when the SS (Signal Switch) option is used. See opposite page for available outside trim and device functions.

3347A-F/3527A-F fits door stiles as narrow as 3 1/2" (90mm). Newly designed device has a one piece center case cover.

Finishes – US3, US4, US10, US15 (35A Only) US26, US26D, US26D-AM, US28, 313 and 315.

Specifications

Device lengths	2' 2" (610 mm) Door size 3' 2'4" to 3' (660mm to 914 mm) door size 4' 2'8" to 4' (813 mm to 1219 mm) door size
Device centerline from finished floor	39 13/16" (1006mm)
Center case dimensions	8 13/16" x 2 13/32" x 1 9/16" (208mm x 62mm x 40mm)
Mechanism case dimensions	2 1/4" x 2 1/4" (57mm x 57mm)
Projection	Pushbar neutral – 3 13/16" (97 mm) Pushbar depressed – 3 1/16" (78 mm)
Latch bolt	Deadlocking anti-friction top & bottom bolt 5/8" (16mm) throw
Door undercut	1/4" (7mm)
Top & bottom latch	4 1/2" x 2 7/8" x 1 1/2" (114mm x 54mm x 38mm)
Vertical rods	Round 2 piece adjustable rods Top rod adjustable from 6'8" (2027mm) to 8'4" (2533mm) Bottom rod adjustable from 35 5/8" (905mm) to 49 5/8" (1260mm) Extension rod kits available for doors over 8'4" (2533mm)
Fasteners & sex bolts (SNB)	Includes 1 3/4" (44mm) – 2 1/4" (57mm) wood & metal doors #425 SNB furnished standard for end case #325 SNB furnished standard for EO (exit only device)
Electric options	ALK Alarm kit CX Chexit delayed exit EL Electric latch retraction HD-EL Electric latch retraction with hex dogging QEL Quiet electric latch retraction RX Request to exit, WP-RX waterproof option LX Latchbolt monitoring LX-RX Request to exit / latchbolt monitoring RX-LC, LX-LC, LX-RX-LC Low current option for RX, LX, LX-RX SS Signal switch CON Allegion Connect
Miscellaneous options	GBK Glass bead kit PN Pneumatic HH Hurricane LBR Less bottom rod SG Safety glow SEC Security screws SNB Sex bolts
Strikes	Top – 388 – Unfinished, bottom – 385A – Unfinished Optional strikes

QEL
Quiet electric latch retraction

- Bolt retraction via switch
- Converts exit door to push-pull operation

RX
Pushpad monitor switch

- Signals use of an opening
- SPDT switch to monitor pushpad

E (E360L)
Electric lever trim

- Electrified remote locking/unlocking
- Fail safe & fail secure options available
- No key override

ALK
Alarm exit kit

- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key

EL
Electric latch retraction

- Enables remote unlatching
- Alternative to manual dogging






CON
Allegion Connectors






- Common connectors to connect various door hardware all the way to the power supply

PN
Pneumatic latch retraction

- For areas where electrical devices banned
- Special linkage for mechanical or pneumatic dogging

Standard trim

	EO	DT	NL	NL-OP	TL
					
	Exit only no outside trim	Dummy trim pull when dogged (not recommended for fire device)	Night latch key retracts latchbolt	Night latch key retracts latchbolt optional pull required	Thumbturn key locks & unlocks
Product description	3347A-EO-F 3547A-EO-F	3347A-DT-F 3547A-DT-F	3347A-NL-F 3547A-NL-F	3347A-NL-OP-F 3547A-NL-OP-F	3347A-TL-F 3547A-TL-F
Trim description	—	386DT	386NL	388	376T x 386
Base size	—	7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm)	7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm)	7 ¹⁵ / ₃₂ " x 1 ¹¹ / ₁₆ " (190x43mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43mmx22mm)
Grip size	—	8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm)	8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm)	—	8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm)
Projection	—	2 ⁷ / ₁₆ " (62mm)	2 ⁷ / ₁₆ " (62mm)	1" (25mm)	1 ³ / ₁₆ " (46mm)
ANSI function	01	02	03	03	11-12 Field selectable
Cylinder type	—	—	Rim	Rim	1 ¹ / ₄ " Mortise
Handing	—	—	Handed	—	—
Optional trim	—	x 360L-DT x 550DT x IVES 8190	—	x 550DT x IVES 8190 10"	x 392-6

	TL-BE	L	L-BE	T	T-BE
					
	Thumbturn-blank escutcheon always operable (no cylinder)	Lever key locks and unlocks	Lever blank escutcheon always operable (no cylinder)	Thumbturn key locks and unlocks (behind C/case)	Thumbturn always operable (no cylinder) (behind C/case)
Product description	3347A-TL-BE-F 3557A-TL-BE-F	3347A-L-F 3557A-L-F	3347A-L-BE-F 3557A-L-BE-F	3347A-T-F 3557A-T-F	3347A-T-BE-F 3557A-T-BE-F
Trim description	376T-BE x 386	360L	360L-BE	360T	360T-BE
Base size	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)
Grip size	8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm)	—	—	—	—
Projection	2 ⁷ / ₁₆ " (62mm)	3" (76mm)	3" (76mm)	1 ³ / ₁₆ " (46mm)	1 ³ / ₁₆ " (46mm)
ANSI function	—	08 or 09 field selectable	—	11 or 12 field selectable	—
Cylinder type	—	1 ¹ / ₄ " Mortise	—	1 ¹ / ₄ " Mortise	—
Handing	—	Handed/Reversible	Handed/Reversible	—	—
Optional trim	x 392-6	—	E360L-BE	—	E360T-BE

Note: 360L & 360T used on wood door require the 33A-WDA cover plate 374T used on wood door require #10-WDA cover plate

Notes

3348A/3548A Concealed vertical rod device



3348A and 3548A for Hollow metal single and double doors, UL listed for panic exit hardware. Devices are ANSI A156.3 – 2001 Grade 1. The 3548A has a smooth mechanism case and the 3348A has grooved case. The concealed vertical rod device is non-handed except when the SS (Signal Switch) option is used. See opposite page for available outside trim and device functions.

3348A/3548A fits door stiles as narrow as 2 7/8" (44 mm). Newly designed device has a one piece center case cover.

Finishes – US3, US4, US10, US15 (35A Only) US26, US26D, US26D-AM, US28, 313 and 315.

Specifications

Device lengths	2' 2" (610 mm) Door size 3' 2 1/4" to 3' (660mm to 914 mm) door size 4' 2'8" to 4' (813 mm to 1219 mm) door size
Device centerline from finished floor	39 13/16" (1006mm) Standard, adjustable from 35 5/8" (905mm) to 49 5/8" (1260mm)
Center case dimensions	8 13/16" x 2 13/32" x 1 9/16" (208mm x 62mm x 40mm)
Mechanism case dimensions	2 1/4" x 2 1/4" (57mm x 57mm)
Projection	Pushbar neutral – 3 13/16" (97 mm) Pushbar depressed – 3 1/16" (78 mm)
Latch bolt	Deadlocking anti-friction top & bottom bolt 3/4" (19mm) throw Deadlocking anti-friction top & bottom bolt 1 1/2" (38mm) throw
Door undercut	3/4" (19mm)
Top & bottom latch	4 1/2" x 2 7/8" x 1 1/2" (114mm x 54mm x 38mm)
Vertical rods	Round 2 piece adjustable rods Top rod adjustable from 6'8" (2027mm) to 8'4" (2533mm) Bottom rod adjustable from 35 5/8" (905mm) to 49 5/8" (1260mm) Extension rod kits available for doors over 8'4" (2533mm)
Fasteners & sex bolts (SNB)	Includes 1 3/4" (44mm) – 2 1/4" (57mm) wood & metal doors #425 SNB furnished standard for end case #325 SNB furnished standard for EO (exit only device)
Electric options	ALK Alarm kit CX Chexit delayed exit EL Electric latch retraction HD-EL Electric latch retraction with hex dogging QEL Quiet electric latch retraction RX Request to exit, WP-RX waterproof option LX Latchbolt monitoring LX-RX Request to exit / latchbolt monitoring RX-LC, LX-LC, LX-RX-LC Low current option for RX, LX, LX-RX SS Signal switch CON Allegion Connect
Miscellaneous options	GBK Glass bead kit PN Pneumatic SG Safety glow SEC Security screws SNB Sex bolts
Dogging feature	Hex dogging standard CD Cylinder dogging LD Less dogging
Strikes	Top – 388 – Unfinished, bottom – 385A – Unfinished Optional strikes

QEL
Quiet electric latch retraction

- Bolt retraction via switch
- Converts exit door to push-pull operation

RX
Pushpad monitor switch

- Signals use of an opening
- SPDT switch to monitor pushpad

E (E360L)
Electric lever trim

- Electrified remote locking/unlocking
- Fail safe & fail secure options available
- No key override

ALK
Alarm exit kit

- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key

EL
Electric latch retraction

- Enables remote unlatching
- Alternative to manual dogging

CON
Allegion Connectors

- Common connectors to connect various door hardware all the way to the power supply

DI
Dogging Indicator

- Monitor dogging status without a control panel
- Red indicator light shows visibility to dogging from over 75 feet






PN
Pneumatic latch retraction






- For areas where electrical devices banned
- Special linkage for mechanical or pneumatic dogging

CD
Cylinder dogging

- Replaces hex key dogging
- Requires standard 1 1/4" mortise cylinder

Standard trim

	EO	DT	NL	NL-OP	TL
					
	Exit only no outside trim	Dummy trim pull when dogged	Night latch key retracts latchbolt	Night latch key retracts latchbolt optional pull required	Thumbturn key locks & unlocks
Product description	3348A-EO 3548A-EO	3348A-DT 3548A-DT	3348A-NL 3548A-NL	3348A-NL-OP 3548A-NL-OP	3348A-TL 3548A-TL
Trim description	—	386DT	386NL	388	376T x 386
Base size	—	7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm)	7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm)	7 ¹⁵ / ₃₂ " x 1 ¹¹ / ₁₆ " (190x43mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43mmx22mm)
Grip size	—	8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm)	8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm)	—	8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm)
Projection	—	2 ⁷ / ₁₆ " (62mm)	2 ⁷ / ₁₆ " (62mm)	1" (25mm)	1 ³ / ₁₆ " (46mm)
ANSI function	01	02	03	03	11-12 Field selectable
Cylinder type	—	—	Rim	Rim	1 ¹ / ₄ " Mortise
Handing	—	—	Handed	—	—
Optional trim	—	x 360L-DT x 550DT x IVES 8190	—	x 550DT x IVES 8190 10"	x 392-6

	TL-BE	L	L-BE	T	T-BE
					
	Thumbturn-blank escutcheon always operable (no cylinder)	Lever key locks and unlocks	Lever blank escutcheon always operable (no cylinder)	Thumbturn key locks and unlocks	Thumbturn always operable (no cylinder)
Product description	3348A-TL-BE 3548A-TL-BE	3348A-L 3548A-L	3348A-L-BE 3548A-L-BE	3348A-T 3548A-T	3348A-T-BE 3548A-T-BE
Trim description	376T-BE x 386	360L	360L-BE	360T	360T-BE
Base size	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)
Grip size	8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm)	—	—	—	—
Projection	2 ⁷ / ₁₆ " (62mm)	3" (76mm)	3" (76mm)	1 ³ / ₁₆ " (46mm)	1 ³ / ₁₆ " (46mm)
ANSI function	—	08 or 09 field selectable	—	11 or 12 field selectable	—
Cylinder type	—	1 ¹ / ₄ " Mortise	—	1 ¹ / ₄ " Mortise	—
Handing	—	Handed/Reversible	Handed/Reversible	—	—
Optional trim	x 392-6	—	E360L-BE	—	E360T-BE

Note: 360L & 360T used on wood door require the 33A-WDA cover plate 374T used on wood door require #10-WDA cover plate

Notes

3348A-F/3548A-F Concealed vertical rod fire exit device



3348A-F and 3548A-F for hollow metal double doors up to 8' x 10' (2438mm x 2540mm), UL listed for fire exit hardware. See page 47 for detailed information on UL listed fire exit hardware label and door opening size information. Devices are ANSI A156.3 – 2001 Grade 1. The 3548A-F has a smooth mechanism case and the 3348A-F has grooved case. The concealed vertical rod device is non-handed except when the SS (Signal Switch) option is used. See opposite page for available outside trim and device functions.

3348A-F/3548A-F fits door stiles as narrow as 3 1/2" (90mm). Newly designed device has a one piece center case cover.

Finishes – US3, US4, US10, US15 (35A Only) US26, US26D, US26D-AM, US28, 313 and 315.

Specifications

Device lengths	2' 2" (610 mm) Door size 3' 2'4" to 3' (660mm to 914 mm) door size 4' 2'8" to 4' (813 mm to 1219 mm) door size
Device centerline from finished floor	39 13/16" (1006mm) Standard, Adjustable from 35 5/8" (905mm) to 49 5/8" (1260mm)
Center case dimensions	8 13/16" x 2 13/32" x 1 9/16" (208mm x 62mm x 40mm)
Mechanism case dimensions	2 1/4" x 2 1/4" (57mm x 57mm)
Projection	Pushbar neutral – 3 13/16" (97 mm) Pushbar depressed – 3 1/16" (78 mm)
Latch bolt	Deadlocking anti-friction top & bottom bolt 3/4" (19mm) throw Deadlocking anti-friction top & bottom bolt 1 1/2" (38mm) throw
Door undercut	3/4" (19mm)
Top & bottom latch	4 1/4" x 1 1/2" x 1 1/8" (108mm x 38mm x 29mm)
Vertical rods	Round 2 piece adjustable rods Top rod adjustable from 6'8" (2027mm) to 8'4" (2533mm) Bottom rod adjustable from 35 5/8" (905mm) to 49 5/8" (1260mm) Extension rod kits available for doors over 8'4" (2533mm)
Fasteners & sex bolts (SNB)	Includes 1 3/4" (44mm) – 2 1/4" (57mm) wood & metal doors #425 SNB furnished standard for end case #325 SNB furnished standard for EO (exit only device)
Electric options	ALK Alarm kit CX Chexit delayed exit EL Electric latch retraction HD-EL Electric latch retraction with hex dogging QEL Quiet electric latch retraction RX Request to exit, WP-RX waterproof option LX Latchbolt monitoring LX-RX Request to exit / latchbolt monitoring RX-LC, LX-LC, LX-RX-LC Low current option for RX, LX, LX-RX SS Signal switch CON Allegion Connect
Miscellaneous options	GBK Glass bead kit PN Pneumatic SG Safety glow SEC Security screws SNB Sex bolts
Dogging feature	Hex dogging standard CD Cylinder dogging LD Less dogging
Strikes	Top – 388 – Unfinished, bottom – 385A – Unfinished Optional strikes

QEL
Quiet electric latch retraction

- Bolt retraction via switch
- Converts exit door to push-pull operation

RX
Pushpad monitor switch

- Signals use of an opening
- SPDT switch to monitor pushpad

E (E360L)
Electric lever trim

- Electrified remote locking/unlocking
- Fail safe & fail secure options available
- No key override

ALK
Alarm exit kit

- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key

EL
Electric latch retraction

- Enables remote unlatching
- Alternative to manual dogging

SG
Safety glow

- Self illuminating touchpad
- No batteries or electronics





PN
Pneumatic latch retraction






- For areas where electrical devices banned
- Special linkage for mechanical or pneumatic dogging

CON
Allegion Connectors

- Common connectors to connect various door hardware all the way to the power supply

Standard trim

	EO	DT	NL	NL-OP	TL
					
	Exit only no outside trim	Dummy trim pull when dogged (not recommended for fire device)	Night latch key retracts latchbolt	Night latch key retracts latchbolt optional pull required	Thumbturn key locks & unlocks
Product description	3348A-EO-F 3548A-EO0F	3348A-DT-F 3548A-DT-F	3348A-NL-F 3548A-NL-F	3348A-NL-OP-F 3548A-NL-OP-F	3348A-TL-F 3548A-TL-F
Trim description	—	386DT	386NL	388	376T x 386
Base size	—	7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm)	7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm)	7 ¹⁵ / ₃₂ " x 1 ¹¹ / ₁₆ " (190x43mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43mmx22mm)
Grip size	—	8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm)	8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm)	—	8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm)
Projection	—	2 ⁷ / ₁₆ " (62mm)	2 ⁷ / ₁₆ " (62mm)	1" (25mm)	1 ³ / ₁₆ " (46mm)
ANSI function	01	02	03	03	11-12 field selectable
Cylinder type	—	—	Rim	Rim	1 ¹ / ₄ " Mortise
Handing	—	—	Handed	—	—
Optional trim	—	x 360L-DT x 550DT x IVES 8190	—	x 550DT x IVES 8190 10"	x 392-6

	TL-BE	L	L-BE	T	T-BE
					
	Thumbturn-blank escutcheon always operable (no cylinder)	Lever key locks and unlocks	Lever blank escutcheon always operable (no cylinder)	Thumbturn key locks and unlocks (behind C/Case)	Thumbturn always operable (no cylinder) (behind C/Case)
Product description	3348A-TL-BE-F 3548A-TL-BE-F	3348A-L-F 3548A-L-F	3348A-L-BE-F 3548A-L-BE-F	3348A-T-F 3548A-T-F	3348A-T-BE-F 3548A-T-BE-F
Trim description	376T-BE x 386	360L	360L-BE	360T	360T-BE
Base size	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)
Grip size	8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm)	—	—	—	—
Projection	2 ⁷ / ₁₆ " (62mm)	3" (76mm)	3" (76mm)	1 ³ / ₁₆ " (46mm)	1 ³ / ₁₆ " (46mm)
ANSI function	—	08 or 09 field selectable	—	11 or 12 field selectable	—
Cylinder type	—	1 ¹ / ₄ " Mortise	—	1 ¹ / ₄ " Mortise	—
Handing	—	Handed/Reversible	Handed/Reversible	—	—
Optional trim	x 392-6	—	E360L-BE	—	E360T-BE

Note: 360L & 360T used on wood door require the 33A-WDA cover plate 374T used on wood door require #10-WDA cover plate

Notes

3349A/3549A Concealed vertical cable device



3349A and 3549A for all types of single and double doors, UL listed for panic exit hardware. Devices are ANSI A156.3 – 2001 Grade 1. The 3549A has a smooth mechanism case and the 3349A has grooved case. The concealed vertical cable device is non-handed except when the SS (signal switch) option is used. See opposite page for available outside trim and device functions.

3349A/3549A fits door stiles as narrow as 2 1/8" (44 mm). Newly designed device has a one piece center case cover.

Finishes – US3, US3A, US4, US4A, US10, US15 (3549 Only), US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 and 643E.

Specifications

Device lengths	2' 2" (610 mm) Door size 3' 2 1/4" to 3' (660mm to 914 mm) door size 4' 2 1/8" to 4' (813 mm to 1219 mm) door size
Device centerline from finished floor	39 13/16" (1006mm)
Center case dimensions	8 13/16" x 2 13/32" x 1 9/16" (208mm x 62mm x 40mm)
Mechanism case dimensions	2 1/4" x 2 1/4" (57mm x 57mm)
Projection	Pushbar neutral – 3 13/16" (97 mm) Pushbar depressed – 3 1/16" (78 mm)
Latch bolt	Deadlocking anti-friction top & bottom bolt 1 1/2" (13mm) throw
Door undercut	3/4" (19mm) Maximum - 24231516 Spacer block kit needed for 3/4" (19mm) undercut
Top & bottom latch	5 13/16" x 1 1/4" x 1 1/16" (147mm x 32mm x 37mm)
Vertical cables	7/32" (6mm) Diameter stainless steel cables
Fasteners & sex bolts (SNB)	Includes 1 3/4" (44mm) – 2 1/4" (57mm) wood & metal doors #425 SNB furnished standard for end case #325 SNB furnished standard for EO (exit only device)
Electric options	ALK Alarm kit CX Chexit delayed exit EL Electric latch retraction HD-EL Electric latch retraction with hex dogging QEL Quiet electric latch retraction RX Request to exit, WP-RX waterproof option *LX Latchbolt monitoring *LX-RX Request to exit / latchbolt monitoring *RX-LC, LX-LC, LX-RX-LC Low current option for RX, LX, LX-RX SS Signal switch CON Allegion Connect
Mechanical options	AX Accessible device
Miscellaneous options	GBK Glass bead kit PL Pullman latch PN Pneumatic INS-2/INS-4 Insulclad Kits 1/2" / 1/4" panels LBL Less bottom latch SG Safety glow SEC Security screws SNB Sex bolts
Dogging feature	Hex dogging standard CD Cylinder dogging LD Less dogging
Strikes	Top – 249 Bottom – 349

QEL
Quiet electric latch retraction
 • Bolt retraction via switch
 • Converts exit door to push-pull operation

AX
Accessible device
 • UL certified to meet new 5 lb. maximum operating force requirement
 • Exceeds ANSI/BHMA requirements

E (E360L)
Electric lever trim
 • Electrified remote locking/unlocking
 • Fail safe & fail secure options available
 • No key override

ALK
Alarm exit kit
 • Unauthorized opening triggers 85-decibel horn
 • Set in armed or disarmed mode by key

EL
Electric latch retraction
 • Enables remote unlatching
 • Alternative to manual dogging

CON
Allegion Connectors
 • Common connectors to connect various door hardware all the way to the power supply

DI
Dogging Indicator
 • Monitor dogging status without a control panel
 • Red indicator light shows visibility to dogging from over 75 feet





RX
Pushpad monitor switch
 • Signals use of an opening
 • SPDT switch to monitor pushpad





CD
Cylinder dogging
 • Replaces hex key dogging
 • Requires standard 1 1/4" mortise cylinder

PN
Pneumatic latch retraction
 • For areas where electrical devices banned
 • Special linkage for mechanical or pneumatic dogging

*For 33/3549A devices, LX switch monitors trim input or electric dogging of EL/QEL devices. LX switch does not monitor latchbolt condition.

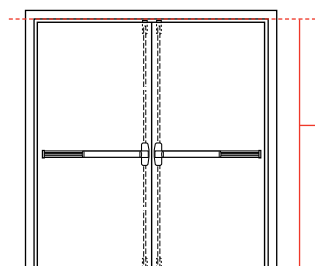
Standard trim

	EO	DT	NL	NL-OP
				
	Exit only no outside trim	Dummy trim pull when dogged	Night latch key retracts latchbolt	Night latch key retracts latchbolt optional pull required
Product description	3349A-EO 3549A-EO	3349A-DT 3549A-DT	3349A-NL 3549A-NL	3349A-NL-OP 3549A-NL-OP
Trim description	—	386DT	386NL	388
Base size	—	7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm)	7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm)	7 ¹⁵ / ₃₂ " x 1 ¹¹ / ₁₆ " (190x43mm)
Grip size	—	8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm)	8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm)	—
Projection	—	2 ⁷ / ₁₆ " (62mm)	2 ⁷ / ₁₆ " (62mm)	1" (25mm)
ANSI function	01	02	03	03
Cylinder type	—	—	Rim	Rim
Handing	—	—	Handed	—
Optional trim	—	x 360L-DT x 550DT x IVES 8190	—	x 550DT x IVES 8190 10"

	L	L-BE	T	T-BE
				
	Lever key locks and unlocks	Lever blank escutcheon always operable (no cylinder)	Thumbturn key locks and unlocks (behind C/case)	Thumbturn always operable (no cylinder) (behind C/case)
Product description	3349A-L 3549A-L	3349A-L-BE 3549A-L-BE	3349A-T 3549A-T	3349A-T-BE 3549A-T-BE
Trim description	360L	360L-BE	360T	360T-BE
Base size	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)
Grip size	—	—	—	—
Projection	3" (76mm)	3" (76mm)	1 ³ / ₁₆ " (46mm)	1 ³ / ₁₆ " (46mm)
ANSI function	08 or 09 field selectable	—	11 or 12 field selectable	—
Cylinder type	1 ¹ / ₄ " Mortise	—	1 ¹ / ₄ " Mortise	—
Handing	Handed/Reversible	Handed/Reversible	—	—
Optional trim	—	E360L-BE	—	E360T-BE

Nominal door opening height		Top cable part number	Bottom cable part number
*82" - 96"	*6'10" - 8'	47250175	47250178
>96" - 110"	>8'0" - 9' 2"	47250176	47250179
>110" - 120"	>9'2" - 10'	47250177	47250180

*Default door opening height. Specify door opening height if other than the default. For door heights less than 6'10" and greater than 10', contact our Customer Care department to discuss your specific application needs.



Door opening height is distance from bottom of frame header to finished floor.

See table on left for standard offering.

3349A-F/3549A-F Concealed vertical cable fire exit device



3349A-F and 3549A-F for all types of double doors up to 8' x 10' (2438mm x 2540mm), UL listed for fire exit hardware. See page 47 for detailed information on UL listed fire exit hardware label and door opening size information. Devices are ANSI A156.3 – 2001 Grade 1. The 3549A-F has a smooth mechanism case and the 3349A-F has grooved case. The concealed vertical cable device is non-handed except when the SS (signal switch) option is used. See opposite page for available outside trim and device functions.

3349A-F/3529A-F fits door stiles as narrow as 3 1/2" (90mm). Newly designed device has a one piece center case cover.

Finishes – US3, US3A, US4, US4A, US10, US15 (3549 Only), US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 and 643E.



Specifications

Device lengths	2' 2" (610 mm) Door size 3' 2 1/4" to 3' (660mm to 914 mm) door size 4' 2 1/8" to 4' (813 mm to 1219 mm) door size
Device centerline from finished floor	39 13/16" (1006mm) Standard
Center case dimensions	8 13/16" x 2 13/32" x 1 9/16" (208mm x 62mm x 40mm)
Mechanism case dimensions	2 1/4" x 2 1/4" (57mm x 57mm)
Projection	Pushbar neutral – 3 13/16" (97 mm) Pushbar depressed – 3 1/16" (78 mm)
Latch bolt	Deadlocking anti-friction top & bottom bolt 1/2" (13mm) throw
Door undercut	3/4" (19mm) Maximum - 24231516 Spacer block kit needed for 3/4" (19mm) undercut
Top & bottom latch	5 13/16" x 1 1/4" x 1 7/16" (147mm x 32mm x 37mm)
Vertical cables	7/32" (6mm) Diameter stainless steel cables
Fasteners & sex bolts (SNB)	Includes 1 3/4" (44mm) – 2 1/4" (57mm) wood & metal doors #425 SNB furnished standard for end case #325 SNB furnished standard for EO (exit only device)
Electric options	ALK Alarm kit CX Chexit delayed exit EL Electric latch retraction HD-EL Electric latch retraction with hex dogging QEL Quiet electric latch retraction RX Request to exit, WP-RX waterproof option *LX Latchbolt monitoring *LX-RX Request to exit / latchbolt monitoring *RX-LC, LX-LC, LX-RX-LC Low current option for RX, LX, LX-RX SS Signal switch CON Allegion Connect
Mechanical options	AX Accessible device
Miscellaneous options	GBK Glass bead kit PN Pneumatic LBL Less bottom latch SG Safety glow SEC Security screws SNB Sex bolts
Strikes	Top – 249 Bottom – 349

QEL
Quiet electric latch retraction

- Bolt retraction via switch
- Converts exit door to push-pull operation

AX
Accessible device

- UL certified to meet new 5 lb. maximum operating force requirement
- Exceeds ANSI/BHMA requirements

E (E360L)
Electric lever trim

- Electrified remote locking/unlocking
- Fail safe & fail secure options available
- No key override

ALK
Alarm exit kit

- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key

EL
Electric latch retraction

- Enables remote unlatching
- Alternative to manual dogging

SG
Safety glow

- Self illuminating touchpad
- No batteries or electronics

CON
Allegion Connectors

- Common connectors to connect various door hardware all the way to the power supply

RX
Pushpad monitor switch





- Signals use of an opening
- SPDT switch to monitor pushpad




PN
Pneumatic latch retraction

- For areas where electrical devices banned
- Special linkage for mechanical or pneumatic dogging

*For 33/3549A devices, LX switch monitors trim input or electric dogging of EL/QEL devices. LX switch does not monitor latchbolt condition.

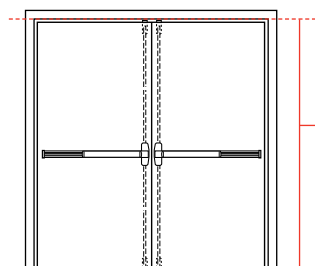
Standard trim

	EO	DT	NL	NL-OP
				
	Exit only no outside trim	Dummy trim pull when dogged	Night latch key retracts latchbolt	Night latch key retracts latchbolt optional pull required
Product description	3349A-EO-F 3549A-EO-F	3349A-DT-F 3549A-DT-F	3349A-NL-F 3549A-NL-F	3349A-NL-OP-F 3549A-NL-OP-F
Trim description	—	386DT	386NL	388
Base size	—	7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm)	7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm)	7 ¹⁵ / ₃₂ " x 1 ¹¹ / ₁₆ " (190x43mm)
Grip size	—	8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm)	8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm)	—
Projection	—	2 ⁷ / ₁₆ " (62mm)	2 ⁷ / ₁₆ " (62mm)	1" (25mm)
ANSI function	01	02	03	03
Cylinder type	—	—	Rim	Rim
Handing	—	—	Handed	—
Optional trim	—	x 360L-DT x 550DT x IVES 8190	—	x 550DT x IVES 8190 10"

	L	L-BE	T	T-BE
				
	Lever key locks and unlocks	Lever blank escutcheon always operable (no cylinder)	Thumbturn key locks and unlocks (behind C/case)	Thumbturn always operable (no cylinder) (behind C/case)
Product description	3349A-L-F 3549A-L-F	3349A-L-BE-F 3549A-L-BE-F	3349A-T-F 3549A-T-F	3349A-T-BE-F 3549A-T-BE-F
Trim description	360L	360L-BE	360T	360T-BE
Base size	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)
Grip size	—	—	—	—
Projection	3" (76mm)	3" (76mm)	1 ³ / ₁₆ " (46mm)	1 ³ / ₁₆ " (46mm)
ANSI function	08 or 09 field selectable	—	11 or 12 field selectable	—
Cylinder type	1 ¹ / ₄ " Mortise	—	1 ¹ / ₄ " Mortise	—
Handing	Handed/Reversible	Handed/Reversible	—	—
Optional trim	—	E360L-BE	—	E360T-BE

Nominal door opening height		Top cable part number	Bottom cable part number
*82" - 96"	*6'10" - 8'	47250175	47250178
>96" - 110"	>8'0" - 9' 2"	47250176	47250179
>110" - 120"	>9'2" - 10'	47250177	47250180

*Default door opening height. Specify door opening height if other than the default. For door heights less than 6'10" and greater than 10', contact our Customer Care department to discuss your specific application needs.



Door opening height is distance from bottom of frame header to finished floor.

See table on left for standard offering.

3350AWDC/3550AWDC Wood door concealed vertical cable device

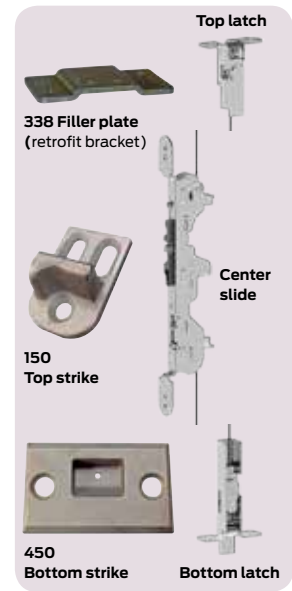


3350AWDC and 3550AWDC for use on single and double wood doors, UL listed for panic exit hardware. Devices are ANSI A156.3 – 2008 Grade 1. The 3549A has a smooth mechanism case and the 3350AWDC has grooved case. The concealed vertical cable device is non-handed except when the SS (signal switch) option is used. See opposite page for available outside trim and device functions.

3350AWDC/3550AWDC fits door stiles as narrow as 2 1/8" (44 mm).

Scalp Plate – Device is furnished standard with an 15" (381 mm) long scalp plate for easy access to cables.

Finishes – US3, US3A, US4, US4A, US10, US15 (3550AWDC Only), US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 and 643E.



Specifications

Device lengths	2' 2" (610 mm) Door size 3' 2 1/4" to 3' (660mm to 914 mm) door size 4' 2'8" to 4' (813 mm to 1219 mm) door size
Device centerline from finished floor	39 13/16" (1006mm)
Center case dimensions	8 13/16" x 2 13/32" x 1 9/16" (208mm x 62mm x 40mm)
Mechanism case dimensions	2 1/4" x 2 1/4" (57mm x 57mm)
Projection	Pushbar neutral – 3 13/16" (97 mm) Pushbar depressed – 3 1/16" (78 mm)
Latch bolt	Deadlocking anti-friction top & bottom bolt 1/2" (13mm) throw
Door undercut	3/4" (19mm) Maximum
Top & bottom latch	5 13/16" x 1 1/4" x 1 7/16" (147mm x 32mm x 37mm)
Vertical cables	7/32" (6mm) Diameter stainless steel cables
Fasteners & sex bolts (SNB)	Includes 1 3/4" (44mm) – 2 1/4" (57mm) wood doors #425 SNB furnished standard for end case #325 SNB furnished standard for EO (exit only device)
Electric options	ALK Alarm kit CX Chexit delayed exit EL Electric latch retraction HD-EL Electric latch retraction with hex dogging QEL Quiet electric latch retraction RX Request to exit, WP-RX waterproof option *LX Latchbolt monitoring *LX-RX Request to exit / latchbolt monitoring *RX-LC, LX-LC, LX-RX-LC Low current option for RX, LX, LX-RX SS Signal switch CON Allegion Connect
Miscellaneous options	GBK Glass bead kit PL Pullman latch PN Pneumatic INS-2/INS-4 Insulclad Kits 1/2" / 1/4" panels LBL Less bottom latch SG Safety glow SEC Security screws SNB Sex bolts
Dogging feature	Hex dogging standard CD Cylinder dogging LD Less dogging
Strikes	Top – 150 Bottom – 450

QEL
Quiet electric latch retraction

- Bolt retraction via switch
- Converts exit door to push-pull operation

PN
Pneumatic latch retraction

- For areas where electrical devices banned
- Special linkage for mechanical or pneumatic dogging

E (E360L)
Electric lever trim

- Electrified remote locking/unlocking
- Fail safe & fail secure options available
- No key override

ALK
Alarm exit kit

- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key

EL
Electric latch retraction

- Enables remote unlatching
- Alternative to manual dogging

CON
Allegion Connectors

- Common connectors to connect various door hardware all the way to the power supply

DI
Dogging Indicator

- Monitor dogging status without a control panel
- Red indicator light shows visibility to dogging from over 75 feet

RX
Pushpad monitor switch





- Signals use of an opening
- SPDT switch to monitor pushpad


CD
Cylinder dogging

- Replaces hex key dogging
- Requires standard 1 1/4" mortise cylinder

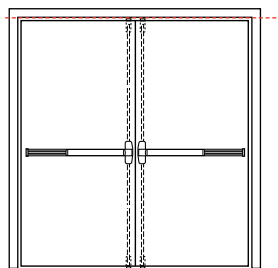
*For 33/3550AWDC devices, LX switch monitors trim input or electric dogging of EL/QEL devices. LX switch does not monitor latchbolt condition.

Standard trim

	EO	DT	NL	NL-OP
				
	Exit only no outside trim	Dummy trim pull when dogged	Night latch key retracts latchbolt	Night latch key retracts latchbolt optional pull required
Product description	3350AWDC-EO 3550AWDC-EO	33950AWDC-DT 3550AWDC-DT	3350AWDC-NL 3550AWDC-NL	3350AWDC-NL-OP 3550AWDC-NL-OP
Trim description	—	386DT	386NL	388
Base size	—	7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm)	7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm)	7 ¹⁵ / ₃₂ " x 1 ¹¹ / ₁₆ " (190x43mm)
Grip size	—	8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm)	8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm)	—
Projection	—	2 ⁷ / ₁₆ " (62mm)	2 ⁷ / ₁₆ " (62mm)	1" (25mm)
ANSI function	01	02	03	03
Cylinder type	—	—	Rim	Rim
Handing	—	—	Handed	—
Optional trim	—	x 360L-DT x 550DT x IVES 8190	—	x 550DT x IVES 8190 10"

	L	L-BE	T	T-BE
				
	Lever key locks and unlocks	Lever blank escutcheon always operable (no cylinder)	Thumbturn key locks and unlocks (behind C/case)	Thumbturn always operable (no cylinder) (behind C/case)
Product description	3350AWDC-L 3550AWDC-L	3350AWDCA-L-BE 3550AWDC-L-BE	3350AWDC-T 3550AWDC-T	3350AWDC-T-BE 3550AWDC-T-BE
Trim description	360L	360L-BE	360T	360T-BE
Base size	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)
Grip size	—	—	—	—
Projection	3" (76mm)	3" (76mm)	1 ³ / ₁₆ " (46mm)	1 ³ / ₁₆ " (46mm)
ANSI function	08 or 09 field selectable	—	11 or 12 field selectable	—
Cylinder type	1 ¹ / ₄ " Mortise	—	1 ¹ / ₄ " Mortise	—
Handing	Handed/Reversible	Handed/Reversible	—	—
Optional trim	—	E360L-BE	—	E360T-BE

Standard door opening height
Feet (Inches)
6'8" - 7' (72" - 84")
7'1" - 8' (85" - 96")
8'1" - 9' (97" - 108")
9'1" - 10' (109" - 120")



Door Opening Height
is measured from finished floor
to frame rabbet on door side.

See table on left for standard offering.

Note: Non-standard sizes available with extended lead time. Consult Customer Care for more information 1-877-671-7011.

3350AWDC-F/3550AWDC-F Concealed vertical cable fire exit device

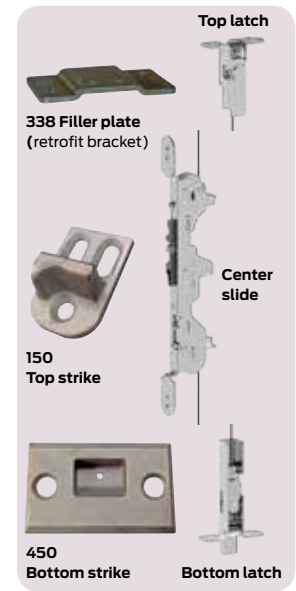


3350AWDC-F and 3550AWDC-F for use on double wood doors up to 8' x 10' (2438mm x 2540mm), UL listed for fire exit hardware. See page 47 for detailed information on UL listed fire exit hardware label and door opening size information. Devices are ANSI A156.3 – 2008 Grade 1. The 3550AWDC-F has a smooth mechanism case and the 3350AWDC-F has grooved case. The concealed vertical cable device is non-handed except when the SS (signal switch) option is used. See opposite page for available outside trim and device functions.

3350AWDC-F/3550AWDC-F fits narrow stile doors.

Scalp Plate – Device is furnished standard with an 15" (381 mm) long scalp plate for easy access to cables.

Finishes – US3, US3A, US4, US4A, US10, US15 (3550AWDC Only), US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 and 643E.



Specifications

Device lengths	2' 2" (610 mm) Door size 3' 2'4" to 3' (660mm to 914 mm) door size 4' 2'8" to 4' (813 mm to 1219 mm) door size
Device centerline from finished floor	39 ¹³ / ₁₆ " (1006mm) Standard
Center case dimensions	8 ¹³ / ₁₆ " x 2 ¹³ / ₃₂ " x 1 ⁹ / ₁₆ " (208mm x 62mm x 40mm)
Mechanism case dimensions	2 ¹ / ₄ " x 2 ¹ / ₄ " (57mm x 57mm)
Projection	Pushbar neutral – 3 ¹³ / ₁₆ " (97 mm) Pushbar depressed – 3 ¹ / ₁₆ " (78 mm)
Latch bolt	Deadlocking anti-friction top & bottom bolt 1/2" (13mm) throw
Door undercut	3/4" (19mm) Maximum
Top & bottom latch	5 ¹³ / ₁₆ " x 1 ¹ / ₄ " x 1 ⁷ / ₁₆ " (147mm x 32mm x 37mm)
Vertical cables	7/32" (6mm) Diameter stainless steel cables
Fasteners & sex bolts (SNB)	Includes 1 ³ / ₄ " (44mm) – 2 ¹ / ₄ " (57mm) wood doors #425 SNB furnished standard for end case #325 SNB furnished standard for EO (exit only device)
Electric options	ALK Alarm kit CX Chexit delayed exit EL Electric latch retraction HD-EL Electric latch retraction with hex dogging QEL Quiet electric latch retraction RX Request to exit, WP-RX waterproof option *LX Latchbolt monitoring *LX-RX Request to exit / latchbolt monitoring *RX-LC, LX-LC, LX-RX-LC Low current option for RX, LX, LX-RX SS Signal switch CON Allegion Connect
Miscellaneous options	GBK Glass bead kit PN Pneumatic LBL Less bottom latch SG Safety glow SEC Security screws SNB Sex bolts
Strikes	Top – 150 Bottom – 450

QEL
Quiet electric latch retraction
 • Bolt retraction via switch
 • Converts exit door to push-pull operation

PN
Pneumatic latch retraction
 • For areas where electrical devices banned
 • Special linkage for mechanical or pneumatic dogging

E (E360L)
Electric lever trim
 • Electrified remote locking/unlocking
 • Fail safe & fail secure options available
 • No key override

ALK
Alarm exit kit
 • Unauthorized opening triggers 85-decibel horn
 • Set in armed or disarmed mode by key

EL
Electric latch retraction
 • Enables remote unlatching
 • Alternative to manual dogging





SG
Safety glow
 • Self illuminating touchpad
 • No batteries or electronics


CON
Allegion Connectors
 • Common connectors to connect various door hardware all the way to the power supply

RX
Pushpad monitor switch
 • Signals use of an opening
 • SPDT switch to monitor pushpad

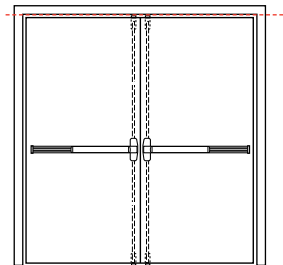
*For 33/3550AWDC devices, LX switch monitors trim input or electric dogging of EL/QEL devices. LX switch does not monitor latchbolt condition.

Standard trim

	EO	DT	NL	NL-OP
				
	Exit only no outside trim	Dummy trim pull when dogged	Night latch key retracts latchbolt	Night latch key retracts latchbolt optional pull required
Product description	3350AWDC-EO-F 3550AWDC-EO-F	3350AWDC-DT-F 3550AWDC-DT-F	3350AWDC-NL-F 3550AWDC-NL-F	3350AWDC-NL-OP-F 3550AWDC-NL-OP-F
Trim description	—	386DT	386NL	388
Base size	—	7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm)	7 ¹⁵ / ₃₂ " x 1 ⁵ / ₈ " (190x41mm)	7 ¹⁵ / ₃₂ " x 1 ¹¹ / ₁₆ " (190x43mm)
Grip size	—	8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm)	8 ¹ / ₂ " x 4 ⁵ / ₁₆ " (216x110mm)	—
Projection	—	2 ⁷ / ₁₆ " (62mm)	2 ⁷ / ₁₆ " (62mm)	1" (25mm)
ANSI function	01	02	03	03
Cylinder type	—	—	Rim	Rim
Handing	—	—	Handed	—
Optional trim	—	x 360L-DT x 550DT x IVES 8190	—	x 550DT x IVES 8190 10"

	L	L-BE	T	T-BE
				
	Lever key locks and unlocks	Lever blank escutcheon always operable (no cylinder)	Thumbturn key locks and unlocks (behind C/case)	Thumbturn always operable (no cylinder) (behind C/case)
Product description	3350AWDC-L-F 3550AWDC-L-F	3350AWDC-L-BE-F 3550AWDC-L-BE-F	3350AWDC-T-F 3550AWDC-T-F	3350AWDC-T-BE-F 3550AWDC-T-BE-F
Trim description	360L	360L-BE	360T	360T-BE
Base size	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)	7 ¹ / ₂ " x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43x22mm)
Grip size	—	—	—	—
Projection	3" (76mm)	3" (76mm)	1 ³ / ₁₆ " (46mm)	1 ³ / ₁₆ " (46mm)
ANSI function	08 or 09 field selectable	—	11 or 12 field selectable	—
Cylinder type	1 ¹ / ₄ " Mortise	—	1 ¹ / ₄ " Mortise	—
Handing	Handed/Reversible	Handed/Reversible	—	—
Optional trim	—	E360L-BE	—	E360T-BE

Standard door opening height
Feet (Inches)
6'8" - 7' (72" - 84")
7'1" - 8' (85" - 96")
8'1" - 9' (97" - 108")
9'1" - 10' (109" - 120")

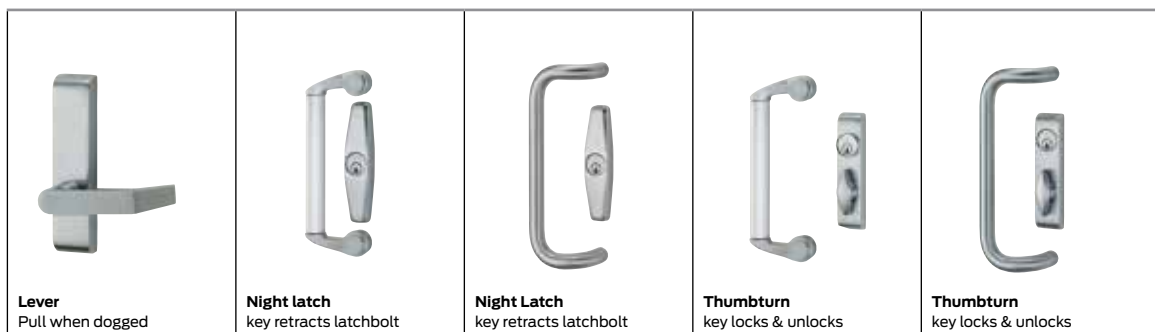


Door opening height
is measured from finished floor
to frame rabbet on door side.

See table on left for standard offering.

Note: Non-standard sizes available with extended lead time. Consult Customer Care for more information 1-877-671-7011.

33A/35A Optional trim



	Lever Pull when dogged	Night latch key retracts latchbolt	Night Latch key retracts latchbolt	Thumbturn key locks & unlocks	Thumbturn key locks & unlocks
Trim description	360L-DT	388 x 550DT	388 x IVES 8190 10"	360T x 550DT	360T x IVES 8190 10"
Base size	7½ x 1⅞" x 7⁄8" (190x43mmx22mm)	7½ x 1⅞" (190x43mm)	7½ x 1⅞" (190x43mm)	7½ x 1⅞" x 7⁄8" (190x43mmx22mm)	7½ x 1⅞" x 7⁄8" (190x43mmx22mm)
Grip size	—	10" center to center	10" center to center	10" center to center	10" center to center
Projection	3" (76mm)	1" (25mm)	1" (25mm)	1⅜" (46mm)	1⅜" (46mm)
ANSI function	02	03	03	11/12 Field selectable	11/12 Field selectable
Cylinder type	—	Rim	Rim	1¼" Mortise	1¼" Mortise
Handing	Handed / Reversible	—	—	—	—

33A/35A Optional trim

	Thumbturn-blank escutcheon always operable (no cylinder)	Thumbturn-blank escutcheon always operable (no cylinder)	Thumbturn key locks & unlocks	Thumbturn-blank escutcheon always operable (no cylinder)	Offset pull
Trim description	360T-BE x 550 DT	360T-BE x 8190 10"	374T/376T x 8190 10"	374T-BE/376T-BE x 8190 10"	392-6
Base size	7½ x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43mmx22mm)	7½ x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43mmx22mm)	7½ x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43mmx22mm)	7½ x 1 ¹¹ / ₁₆ " x 7 ⁷ / ₈ " (190x43mmx22mm)	7 x 3 ½" x ¾" (178x89mmx19mm)
Grip size	11 ⁹ / ₁₆ " center to center	1" center to center	8½" x 4 ⁵ / ₁₆ " (216x110mm)	8½" x 4 ⁵ / ₁₆ " (216x110mm)	6¼" center to center
Projection	1 ¹³ / ₁₆ " (46mm)	1 ¹³ / ₁₆ " (46mm)	1 ¹³ / ₁₆ " (46mm)	1 ¹³ / ₁₆ " (46mm)	2¼"
ANSI function	—	—	11-12 Field selectable	—	—
Cylinder type	—	—	1¼" Mortise	—	—
Handing	—	—	—	—	—

Note: 360L & 360T used on Wood Door require the 33A-WDA cover plate
376T used on Wood Door require #10-WDA cover plate

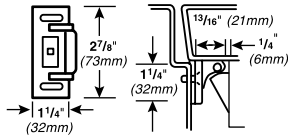
33A/35A Strike/Stile information

Device type	Standard single door		Standard double door		Optional single door		Optional double door	
	Strike	Stile	Strike w/mullion	Stile	Strike	Stile	Strike w/mullion	Stile
33A 35A	1439	2" (51mm)	1408 x 5754	2" (51mm)	299 1410 1606	2 ³ / ₄ " (70mm) 1 ³ / ₄ " (44mm) 2 ¹ / ₂ " (64mm)	299 x 5654 299 x 4954 1606 x 1654	2 ⁵ / ₈ " (67mm) 3 ⁵ / ₁₆ " (84mm) 2 ³ / ₄ " (70mm)
3327A 3527A	266 (Top) 304L (Bottom) 248-L (Bottom)	2 ¹ / ₈ " (54mm)	266 (Top) 304L (Bottom) 248-L (Bottom)	1 ³ / ₄ " (44mm)	299 (Top) 385A (Bottom) 260U (Top) 385A (Bottom)	3 ¹ / ₈ " (79mm) 2 ¹ / ₈ " (54mm)	299 (Top) 385A (Bottom) 260U (Top) 385A (Bottom)	3 ¹ / ₈ " (79mm) 2 ¹ / ₈ " (54mm)
3327A-F 3527A-F	—	—	299F (Top) 304L (Bottom)	2 ³ / ₁₆ " (56mm)	—	—	—	—
3327A-LBR-F	—	—	499F (Top) (Req. auxiliary fire latch)	3 ⁵ / ₈ " (92mm)	—	—	—	—
3347A 3547A 3348A 3548A	338 (Top) 385A (Bottom)	2 ¹ / ₈ " (54mm)	338 (Top) 385A (Bottom)	1 ³ / ₄ " (44mm)	304L (Bottom)	2 ¹ / ₂ " (64mm)	304L (Bottom)	2 ¹ / ₂ " (64mm)
3347A-F 3547A-F 3348A-F 3548A-F	—	—	338 (Top) 385A (Bottom)	3 ¹ / ₂ " (89mm)	—	—	304L (Bottom)	3 ¹ / ₂ " (89mm)
3347A-LBR 3547A-LBR 3348A-LBR 3548A-LBR	338 (Top)	2 ¹ / ₂ " (64mm)	338 (Top)	2 ¹ / ₂ " (64mm)	—	—	—	—
3347A-LBR-F 3547A-LBR-F	—	—	338 (Top)	3 ⁵ / ₈ " (92mm)	—	—	—	—
3349A 3549A	249 (Top) 349 (Bottom)	2 ¹ / ₂ " (64mm)	249 (Top) 349 (Bottom)	1 ³ / ₄ " (44mm)	—	—	—	—
3349A-F 3549A-F	—	—	249 (Top) 349 (Bottom)	3 ¹ / ₂ " (89mm)	—	—	—	—
3349A-LBL 3549A-LBL	249 (Top)	2 ¹ / ₂ " (64mm)	249 (Top)	2 ¹ / ₂ " (64mm)	—	—	—	—
3349A-LBL-F 3549A-LBL-F	—	—	249 (Top)	3 ⁵ / ₈ " (92mm)	—	—	—	—

33A/35A Strike/Stile information

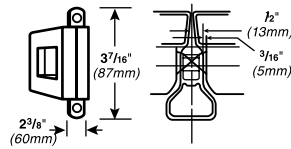
Strikes for rim devices

299



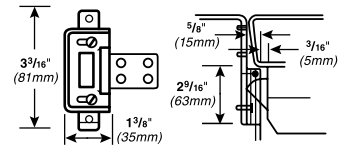
Projection 13/16" (21mm)

1408



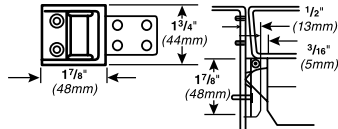
One per pair of doors - use with 5754 Mullion only

1410 - Integral stop



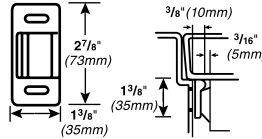
Projection 1/2" (13mm)

1439



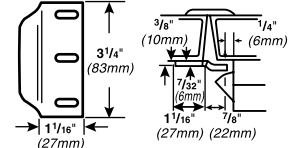
Projection 1/2" (13mm)

1606



Projection 3/8" (10mm)

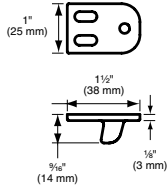
1609



For rim/vertical rod combination -not fire rated

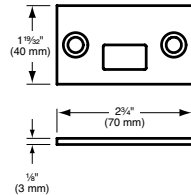
Strikes for vertical cable devices

249 - Top strike



Projection 9/16" (14mm)

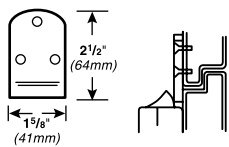
349 - Bottom strike



Projection 1/8" (3mm)

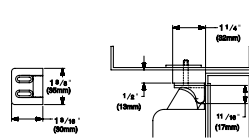
Strikes for vertical rod devices

260U-Flush transom only



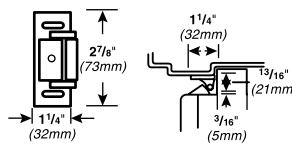
Projection 3/8" (10mm)

266



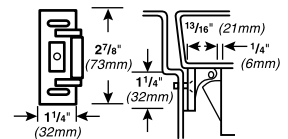
Projection 1 1/4" (32mm)

299



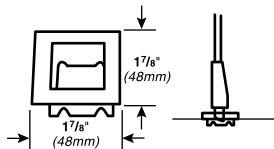
Projection 13/16" (21mm)

299F



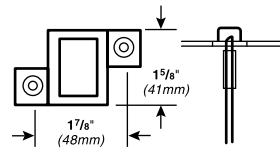
Projection 13/16" (21mm)

304L



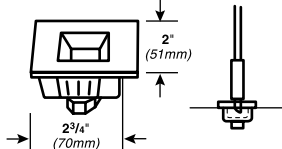
Mortise 13/16" (21mm)

338



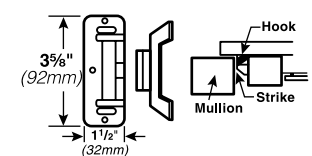
Mortise 5/8" (16mm)

385A



Mortise 2 1/2" (64mm)

499F



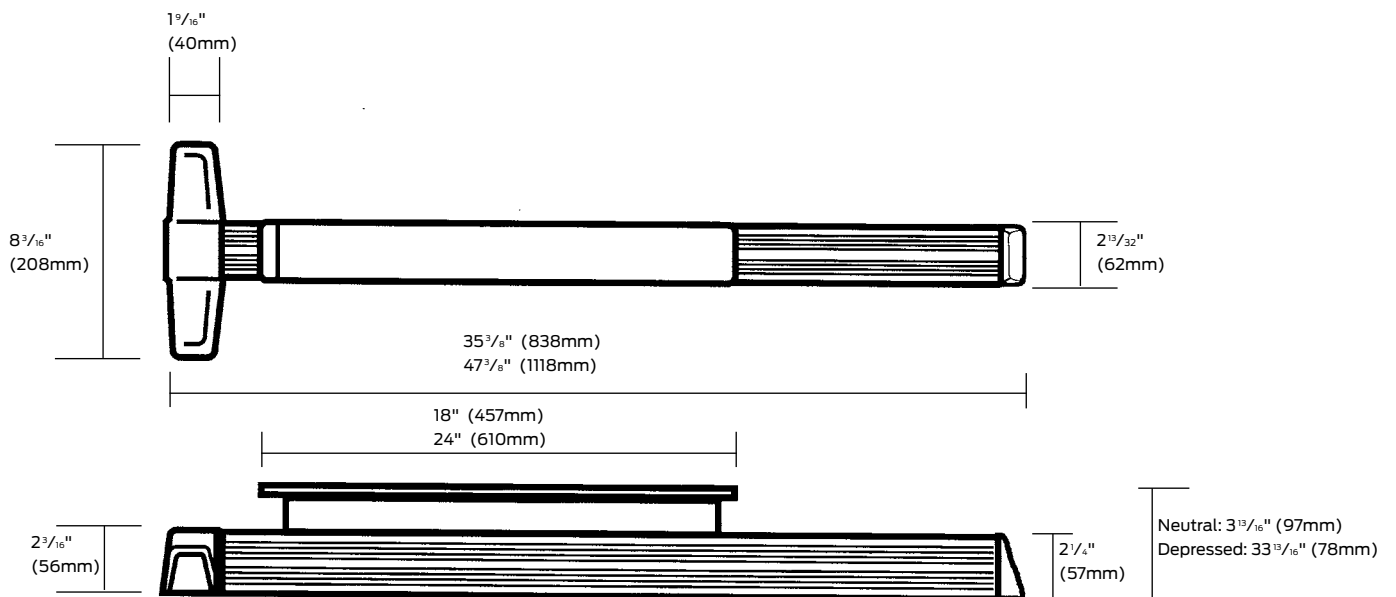
Projection 13/16" (21mm)

Grade, type and function options

ANSI function, grade & type

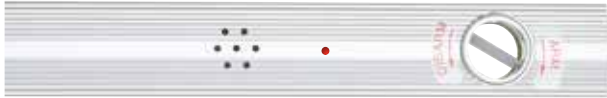
Function	Grade 1, type 4	Grade 1, type 5	Grade 1, type 6, 7 & 8	
01	33AEO 35AEO	3327A-EO 3327A-EO-F 3527A-EO 3527A-EO-F	3347A-EO 3347A-EO-F 3348A-EO 3348A-EO-F 3349A-EO 3349A-EO-F	3547A-EO 3547A-EO-F 3548A-EO 3548A-EO-F 3549A-EO 3549A-EO-F
02	33A-DT 35A-DT	3327A-DT 3527A-DT	3347A-DT 3348A-DT 3349A-DT	3547A-DT 3548A-DT 3549A-DT
03	33A-NL 33A-NL-OP 35A-NL 35A-NL-OP	3327A-NL-OP 3527A-NL-OP 3327A-NL-OP-F 3527A-NL-OP-F 3527A-NL 3327A-NL-F 3527A-NL 3527A-NL-F	3347A-NL-OP 3347A-NL-OP-F 3348A-NL-OP 3348A-NL-OP-F 3347A-NL 3347-NL-F 3348-NL 3348-NL-F 3349A-NL-OP 3349A-NL-OP-F 3349A-NL 3349A-NL-F	3547A-NL-OP 3547A-NL-OP-F 3548A-NL-OP 3548A-NL-OP-F 3547A-NL 3547-NL-F 3548-NL 3548-NL-F 3549A-NL-OP 3549A-NL-OP-F 3549A-NL 3549A-NL-F
08-09	33A-L 35A-L	3327A-L 3327A-L-F 3527A-L 3527A-L-F	3347A-L 3347A-L-F 3348A-L 3348A-L-F 3349A-L 3349A-L-F	3547A-L 3547A-L-F 3548A-L 3548A-L-F 3549A-L 3549A-L-F
11-12	33A-TL 35A-TL	3327A-TL 3327A-TL-F 3527A-TL 3527A-TL-F	3347A-TL 3347A-TL-F 3348A-TL 3348A-TL-F	3547A-TL 3547A-TL-F 3548A-TL 3548A-TL-F

Dimensions



33A/35A Electrical options

ALK Alarm kit



The ALK battery alarm kit is a simple yet effective way to deter unauthorized use of an opening. While the exit device is still a means of egress, the ALK kit contains an internal horn. When the touch bar is depressed, the horn sounds to provide an audible means of signaling that the opening has been violated. The alarm kit can be armed or disarmed by key. Thus allowing the exit device to be set in an armed or disarmed mode. The horn is rated at 85 decibel.

The key switch uses a standard 1 1/4" (32mm) mortise cylinder with a straight cam (Schlage Cam reference B502-191). The unit operates on one standard 9-volt alkaline battery. When the battery is weak, the horn will emit an intermittent low battery alert signal.

Also can be powered using the PS902 power supply. See PS902 for additional information. Alarm kits are available with a choice of two switch kits, RX or LX. RX monitors the touchpad and is furnished standard. LX optional latch bolt monitoring is recommended for use with surface vertical rod exit devices. Specify ALK-LX.

The ALK is available in two styles, 33A ALK, grooved cover and 35A ALK, smooth cover.

The ALK includes "EMERGENCY EXIT ONLY. ALARM WILL SOUND" decal for application on door, or the RSS push bar trim can be used instead of the door decal, specify RSS push bar trim.

The External Inhibit comes standard on Von Duprin exit devices. External Inhibit (EI) allows for the use of external switch to be used to arm, disarm and reset the alarm. Auto Reset (AR) is an option that rearms the alarm after a preset time. AR is available in three field selectable times – 1 1/2, 3 or 4 1/2 minutes.

When the ALK is used, standard dogging is removed. If cylinder dogging is required for 3' or 4' doors the ALK can be moved to the hinge side of the device and standard cylinder dogging can be added.

To order, specify:

1. Standard, 33A ALK
2. Cylinder Dogging, CD33A ALK

Minimum door sizes

Device	3' (914mm) Length	4' (1219mm) Length
33A/35A	2'9" (838mm)	3'3" (991mm)
3327A/3527A	2'8" (813mm)	3'2" (966mm)
3347A/3347A-F 3547A/3547A-F	2'8" (813mm)	3'2" (966mm)
3348A/3348A-F 3548A/3548A-F	2'8" (813mm)	3'2" (966mm)

RX Request to exit



The RX feature is used to signal the use of an opening. This device is equipped with one internal SPDT switch which monitors the pushpad.

The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply. A continuous current electric transfer must be used for transferring power from the frame to the door.

The RX switch option should not be used to control a load, but as a signalling switch (0.5 amps. resistive maximum). The RX switch is available in a low current (LC) switch. Most commonly used in computer operated monitoring systems.

To order, specify:

1. Standard – Use prefix RX, example RX33AEO
2. Low Current – Use prefix RX-LC, example RX-LC35AEO

RX2 Double request to exit

The RX2 feature uses 2 RX switches.

To order, specify:

1. Standard – Use prefix RX2, example RX233AEO

LX Latch Bolt monitoring



The LX feature is used to signal the use of an opening. This device is equipped with one internal SPDT switch which monitors the latch bolt. The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply. A continuous current electric transfer must be used for transferring power from the frame to the door.

The LX switch option should not be used to control a load, but as a signalling switch (0.5 amps. resistive maximum).

The LX switch is available in a low current (LC) switch. Most commonly used in computer operated monitoring systems.

To order, specify:

1. Standard – Use prefix LX, example LX33AEO
2. Low Current – Use prefix LX-LC, example LX-LC35AEO

Electrical rating for all switches:

- Standard – 2 Amp maximum @ 24VDC
- Low Current (LC) - below 50 Milliamps @ 24VDC

Note: All switches can be either factory or field installed

33A/35A Chexit device

CX The Chexit® (with motor driven blocking actuator)*



The Von Duprin Chexit device is designed for controlled egress applications. It meets both life safety and security needs, as well as the requirements of NFPA 101 for "Special Locking Arrangement" and IBC "Special Egress-Control Devices". All control inputs, auxiliary locking, local alarm and remote signaling outputs are self-contained in the Chexit assembly. Numerous configurable options allow the device to be customized for the specific code or application requirements. The standard Chexit device sounds an alarm and keeps the door secured for 15 seconds following an exit attempt with immediate release upon fire.

The Chexit device includes a 6" x 20" decal for application on door.

"PUSH UNTIL ALARM SOUNDS.
DOOR CAN BE OPENED IN 15 SECONDS"

Chexit typical applications

Chexit single door with options – The Chexit is used as an access control device. The card reader allows access. Also shown in this application is an external horn and door position switch. The auxiliary horn is used for increased volume in remote locations. Using a door position switch gives added security to the opening in case the door is not reclosed.

With the Chexit disarmed, the opening functions as a normal exit device. If card readers are required on both sides of the door, the normally closed contacts of the readers should be wired in series.

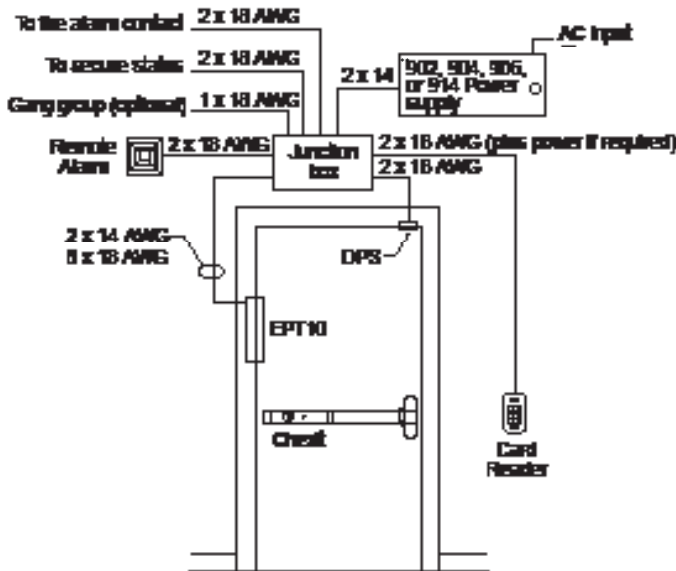


Figure 1. Riser Diagram, Single Door

Minimum door opening sizes for CX devices

Consult factory for other size requirements.

Device	3' (914mm) Length	4' (1219mm) Length
CX33A/35A	2'10 ³ / ₄ " (883mm)	3'4 ³ / ₄ " (1035mm)
CX3327A/3327A-F/3527A/3527A-F	2'10 ¹ / ₄ " (870mm)	3'4 ¹ / ₄ " (1022mm)
CX3347A/3347A-F/3547A/3547A-F	2'10 ¹ / ₄ " (870mm)	3'4 ¹ / ₄ " (1022mm)
CX3348A/3348A-F/3548A/3548A-F	2'10 ¹ / ₄ " (870mm)	3'4 ¹ / ₄ " (1022mm)
CX3349A/3349A-F/3549A/3549A-F	2'10 ¹ / ₄ " (870mm)	3'4 ¹ / ₄ " (1022mm)
CX3350/3350WDC-F/ 3550/3550WDC-F	2'10 ¹ / ₄ " (870mm)	3'4 ¹ / ₄ " (1022mm)

Specifications / Power supply requirements*

Input voltage – 24VDC

Input current inrush – 1.25A

Input current holding – 390mA

Alarm relay and Secure relay contact ratings – 24VDC, 1A

Fire alarm, Inhibit and Door position switch inputs require normally closed dry contacts.

Power supply information for CX devices with motor driven blocking actuator*

Power supply	Maximum number of devices
PS902 (up to 2 amps)	1 Chexit device
PS904 (up to 4 amps)	3 Chexit devices
PS906 (up to 6 amps)	4 Chexit devices
PS914 (up to 4 amps)	4 Chexit devices

When powering multiple components, verify that the amperage requirements of all components combined does not exceed the power supply output rating, see table above for output ratings. Consult Installation Instructions for proper wire gauge and wire run requirements. Exceeding the recommended devices and/or not following Installation Instructions may void your warranty. Call Customer Care at 877-671-7011 or visit the Allegion website for more information - www.us.allegion.com.

How to order*

To order, specify:

1. Prefix product description number "CX".
Example: CX33A-L
2. Specify option (see options on page 38).
Example: CX-RCM
3. Door size other than 3' (914mm).
4. Door thickness other than 1³/₄" (45mm).
5. Finish.

*Note: Chexit devices built after August 24, 2015 are built using motor driven blocking actuators that have decreased power supply and operating requirements. The information listed in this catalog references the power supply and operating requirements that are needed for the new products with motor driven blocking actuators. For information on devices built previous to August 24, 2015, please contact Customer Care at 877-671-7011.

33/35 Chexit, RCM and DE5300 features

The Chexit, Remote Chexit Module (RCM) or DE5300 devices have several features and options available to fit your applications. See below for more information.

Inputs & Outputs

Fire Alarm Input

This input releases the door immediately upon a fire alarm allowing immediate egress. The Internal Alarm can be silenced during a fire input via an onboard switch setting.

Inhibit Input (Access Control)

This optional input is provided to allow authorized egress or entry when the device is Armed using an external card reader, Key Switch, etc. It also allows remote reset of the Chexit, RCM or DE5300 in an alarmed condition. The ability to reset alarms with the inhibit input can be disabled via an onboard switch setting.

Door Position Switch Input

An optional Door Position Switch (DPS) can provide door position status to Chexit, RCM or DE5300 for additional security, ensuring that the door is closed, and can cause alarm when the door is left or forced open.

Gang Bus

The Gang bus allows a Chexit, RCM or DE5300 device to signal other Chexit, RCM or DE5300 devices when it enters the Release Delay, allowing multiple doors to release at the same time in an emergency. Up to 8 devices may be connected to the Gang Bus.

Alarm Relay Contacts

The Alarm Relay contacts are provided as a means to control a Remote Alarm, such as a horn or lamp, or signal an external monitor. The contacts can be configured with a jumper as Normally Open or Normally Closed, and become active upon entering an alarmed condition.

Secure Relay Contacts

The Secure Relay contacts are provided as a means to signal an external monitor. The contacts can be configured as Normally Open or Normally Closed with a jumper, and become active when the DPS indicates the door is closed and the Push Pad is locked.

Delays

Release Delay

When the Push Pad is pushed and the Nuisance Delay expires, the Chexit, RCM or DE5300 enters the Release Delay with alarm. During the Release Delay, the Internal Alarm sounds, the Alarm Relay activates, and the Chexit/RCM keeps the Push Pad or DE5300 magnetic lock, locked for 15 seconds (less any time already elapsed during the Nuisance Delay). Once started, the Release Delay sequence will not stop and the devices will unlock.

Nuisance Delay

When a Chexit, RCM or DE5300 is located in a public area, it can be desirable to limit false releases when the Push Pad is accidentally pushed. The Nuisance Delay is the brief time a Push Pad can be accidentally pushed before the Release Delay sequence starts. If the Nuisance Time is set to 0 seconds the Chexit, RCM or DE5300 will enter Release Delay as soon as the Push Pad is pushed (when armed). Setting the Nuisance Time to 1, 2, or 3 seconds allows the Push Pad to be pressed for 1 to 3 seconds before the Chexit, RCM or DE5300 goes into Release Delay. If the Nuisance Audio and Nuisance Delay are both on, the Internal Alarm will pulse during the Nuisance Delay. The Alarm Relay does not activate during the Nuisance Delay. If the Push Pad is released before the Nuisance Delay expires, the Chexit, RCM or DE5300 will remain armed.

Rearm Delay

The Rearm Delay is the amount of time after the Key Switch or Inhibit Input is deactivated to when the device rearms. It is designed to give someone time to pass through the door before rearming occurs. The Rearm Time can be changed via the onboard switch settings from 0 and 28 seconds in 2 second increments. If the Rearm Time is set to 30 seconds and a DPS is used, if the door is opened and the Rearm Time expires, there will be no alarm. The Chexit, RCM or DE5300 will rearm after the door is closed. If the door never opens, the Chexit, RCM or DE5300 will rearm after 30 seconds. If not using a DPS, the Chexit, RCM or DE5300 will always rearm in 30 seconds.

DPS Delay

If the DPS detects that the door closed during the Rearm Delay, the Chexit, RCM or DE5300 ends the Rearm Delay and allows 2 seconds for the latch to clear the strike before rearming.

Interface

Key Switch

The Key Switch provides the means to Arm or Disarm/Reset the Chexit, RCM or DE5300. Turning the Key Switch clockwise initiates the Rearm Delay, and turning the Key Switch counter-clockwise Disarms/Resets the Chexit, RCM or DE5300. The Key Switch allows the key to be removed in either the Arm or the Disarm/Reset position.

Status Indicator

The red Status Indicator displays the status of the Chexit, RCM or DE5300. The Status Indicator flashes slow if the Chexit, RCM or DE5300 is armed, flashes fast in an alarmed mode, is off when inhibited and on solid during Rearm Delay.

Internal Alarm

The Internal Alarm sounds the status of the Chexit, RCM or DE5300. The Internal Alarm sounds continuously during and after a fire alarm or a Release Delay, pulses fast during the Nuisance Delay or a tamper and pulses slow during Disarmed Powerup mode.

Settings

Armed Powerup

When set to OFF, a power disruption and power return will put the Chexit, RCM or DE5300 in a disarmed, unlocked alarm mode.

Trim Fail Safe / Fail Secure (FS/FSE)

The trim input power can be set to FS (Fail Safe; locked when energized, unlocked when deenergized or during power failure) or FSE (Fail Secure; unlocked when energized, locked when deenergized or during power failure).

The trim must be bought or modified to physically function as FS or FSE. This on board setting only selects the trim input power.

33A/35A Chexit options

RCM Remote Chexit Module — is designed to provide the concept of the Chexit delayed exit system for door sizes smaller than the standard Chexit device can accommodate. The Chexit module is installed in a control box and mounted in a remote location. Features and functions of the standard Chexit exit device are available on the Remote Chexit Module.



RCM Module

Minimum door opening sizes for RCM devices

Consult factory for other size requirements.

Device	3' (914mm) Length	4' (1219mm) Length
CX-RCM33A/35A	2'5" (737mm)	2'11" (889mm)
CX-RCM3327A/3327A-F /3527A/3527A-F	2'4½" (724mm)	2'10½" (876mm)
CX-RCM3347A/3347A-F /3547A/3547A-F	2'4½" (724mm)	2'10½" (876mm)
CX-RCM3348A/3348A-F /3548A/3548A-F	2'4½" (724mm)	2'10½" (876mm)
CX-RCM3349A/3349A-F /3549A/3549A-F	2'4½" (724mm)	2'10½" (876mm)
CX3350/3350WDC-F /3550/3550WDC-F	2'4½" (724mm)	2'10½" (876mm)

Specifications / Power supply requirements*

Size – 3.75" x 5.57" x 2.50"

Input voltage – 24VDC

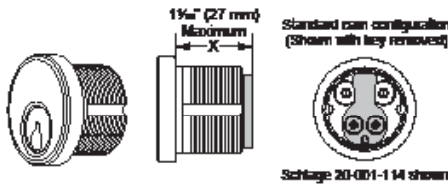
Input current inrush – 1.25A

Input current holding – 390mA

Alarm relay and Secure relay contact ratings – 24VDC, 1A

Fire alarm, Inhibit and Door position switch inputs require normally closed dry contacts.

Cylinders — Cylinders are not furnished with the Chexit device and must be specified when ordering. Use 1¼" mortise cylinder with compression ring K510-406 with straight cam and orient cam as shown. Schlage cylinder 20-001-114 recommended for the device and the CD cylinder dogging option. See Schlage Pricebook for additional information.



How to order*

See Chexit "How to order" on page 36.

*Note: RCM modules built after August 24, 2015 are built using motor driven blocking actuators that have decreased power supply and operating requirements. The information listed in this catalog references the power supply and operating requirements that are needed for the new products with motor driven blocking actuators. For information on devices built previous to August 24, 2015, please contact Customer Care at 877-671-7011.

DE5300 Delayed Egress System

DE5300 Delayed Egress System — is designed for controlled egress applications when used in conjunction with a magnetic lock. It meets both life safety and security needs, as well as the requirements of NFPA for "Special Locking Arrangement" and IBC "Special Egress-Control Devices". All control units, auxiliary locking, local alarm and remote signaling outputs are self-contained in the DE5300 assembly.



DE5300 Module

The DE5300 is commonly used on narrow stile doors where a standard or narrow stile Chexit is not practical. DE5300 Delayed Exit System uses a Chexit logic board and a Von Duprin RX-LC (low current request to exit) panic device to control a Schlage Electronics Direct Hold Magnetic Lock.

The Chexit module for the DE5300 is installed in a control box and mounted in the wall adjacent to the door. Features and functions of the standard Chexit exit device are available on the DE5300.

The DE5300 device includes a 6" x 20" decal for application on door.

"PUSH UNTIL ALARM SOUNDS.
DOOR CAN BE OPENED IN 15 SECONDS"

Cylinders — Cylinders are not furnished with the DE5300 and must be specified when ordering. Use 1¼" mortise cylinder with compression ring K510-406 with straight cam and orient cam as shown. Schlage cylinder 20-001-114 recommended for the device and the CD cylinder dogging option. See Schlage Pricebook for additional information.

Specifications / Power supply requirements

Size - 3.75" x 5.57" x 2.50"

Input voltage – 24VDC

Input current – 1A

Alarm relay and Secure relay contact ratings – 24VDC, 1A

Fire alarm, Inhibit and Door position switch inputs require normally closed dry contacts.

How to order

To order, specify:

- DE5300
- M420/P, M450/P, or M490/P magnetic lock (order direct from Schlage Electronics).
- RX-LC 22/33A/35A/98/99 device.
- PS900 Series
- EPT-2/10

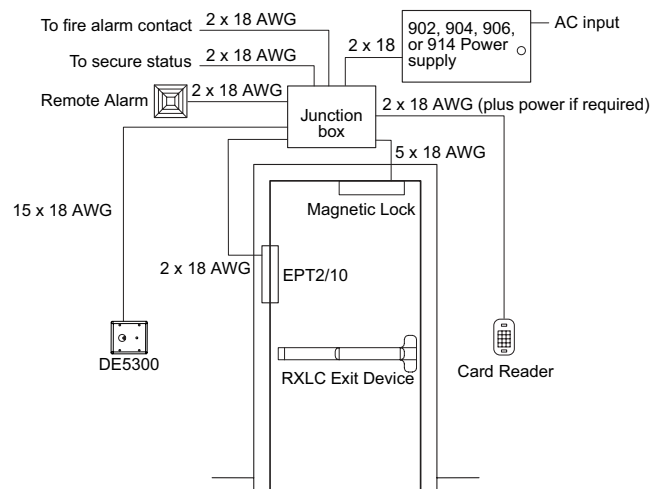


Figure 1. Riser Diagram, Single Door

33A/35A Electrical options

QEL Quiet electric latch retraction

The QEL feature allows for the remote unlatching of exit devices. A control station operator can flip a switch to retract the latch bolt and immediately change an exit door to push-pull operation. Different than the popular EL, the QEL quiet operation is achieved using an electric drive motor which retracts the latch bolt either momentary unlatching or for extended periods of time. This feature is an alternative to manual dogging.

QEL devices are also useful with automatic door operators, and may be applied to fire-rated applications when under the control of an **automatic fire alarm system**.

UL approved for Class II circuit applications.

The QEL option does not include the power transfer from door to frame, the power supply, or the control operator. Refer to EPT-2 power transfer and the PS902 or 914 power supply.

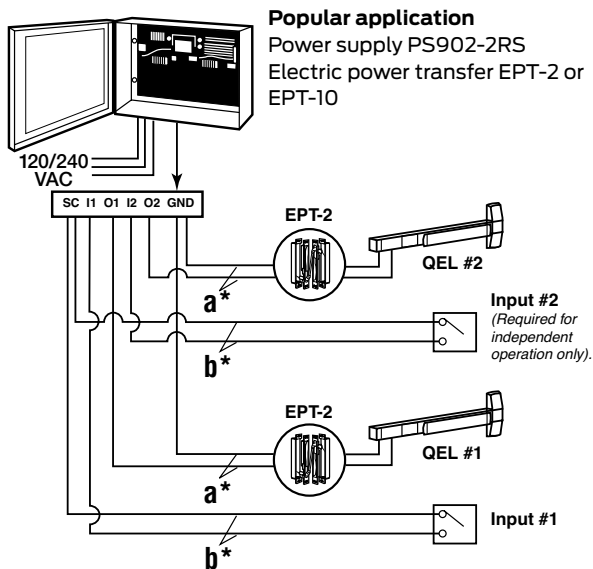
The PS902/914 with the 2RS, 4RL or 4R board is the minimum required. Other option boards available for other functions, see PS902/914 power supply for additional information.

QEL Electrical load	
Voltage	24VDC
Current	1.0 A Inrush (0.5 sec.) 0.14 A Holding 2.0 A Calibrate (3 sec. one time)

To order, specify:

- Standard – Use prefix QEL, example QEL33A-L.

Popular QEL application



QEL Device wire selection size

a*	Distance (one-way)	Wire Gauge
	200 ft.	18 AWG
	320 ft.	16 AWG
	500 ft.	14 AWG
	800 ft.	12 AWG

b*	Wire selection	Switch wire size
	1200 ft. Max.	18 gauge standard

EL Electric latch retraction

The EL feature allows for the remote unlatching of exit devices. A control station operator can flip a switch to retract the latch bolt and immediately change an exit door to push-pull operation. A powerful, continuous duty solenoid retracts the latch bolt, either for momentary unlatching, or for extended periods of time. The EL feature is an alternative to manual dogging. If manual hex-key dogging is required, specify HD-EL.

EL devices are also useful with automatic door operators, and may be applied to fire-rated applications when under the control of an **automatic fire alarm system**. UL approved for Class II circuit applications.

The EL option does not include the power transfer from door to frame, the power supply, or the control operator. Refer to EPT-2 power transfer and the PS914 power supply.

The PS914 with the 900-2RS option card is minimum option card required. Other option cards available for other functions, see PS914 power supply for additional information.

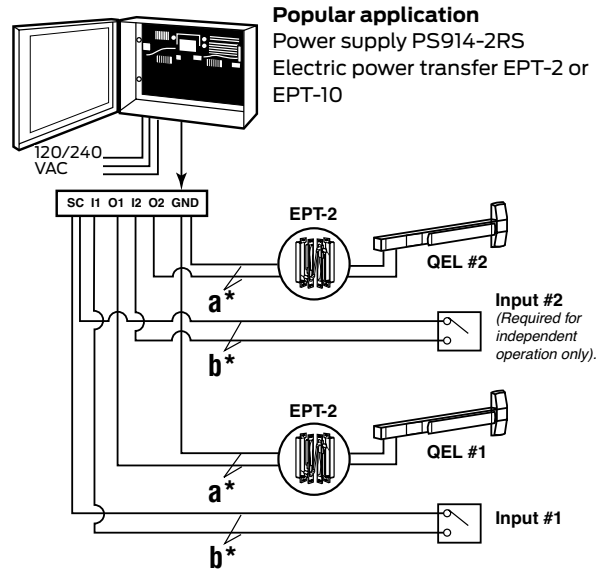
Solenoid specifications:

Continuous Duty – 24 VDC
Current Inrush – 16 Amps
Current Holding – 0.3 Amps

To order, specify:

- Standard – Use prefix EL, example EL33AL
- Hex Key dogging – Use prefix HD-EL, example HD-EL33AL

Popular EL application



EL Device wire selection size

	Von Duprin exit device	EL Wire length (feet) ¹	Wire gauge (AWG)
	EL 33A/35A Rim	0-500	12
		0-300	14
		0-200	16
a*	All other EL33A/35A device types	0-250	12
		0-150	14
		0-100	16
b*	Control Switch	0-1200	18

1. Wire lengths include an EPT, Door loop, electric hinge or pivot and are measured one way between the PS914/option board and the device.

2. Table is applicable to devices that have shipped after August 2012.

33A/35A Electrical accessories

Power supplies

Series PS902/914



Overview:

The PS900 Series is a consolidated line of power supplies and accessories that offer enhanced flexibility and functionality specific to the changing needs of the access control market. The PS900 Series can be used in a variety of applications to convert high voltage AC power into the low voltage DC outputs required by most access control devices. The PS900 Series protects devices downstream by providing Class 2*, filtered and regulated power. The full line is UL294 certified.

Note: PS906 can provide Class 2 rated outputs when used with 900-8P distribution board.

Features:

- Constant output rating at both 12 VDC and 24 VDC provides superior performance ; includes field selectable jumper
- Polarized connectors for option boards eliminate need for racks and side connectors
- Flat mounting of option boards provides easier access to terminal blocks for connection of electrified devices
- High voltage protective cover
- Battery back-up board auto-selects voltage
- Fire alarm relay can be configured to provide either switched or un-switched outputs from a power supply
- PS914 designed with high in rush current for powering electrified panic devices
- Universal 120-240 VAC input
- Low voltage DC, regulated and filtered
- Electronic power limiting foldback circuit for AC current overload protection
- Fused primary input
- AC status monitor- isolated SPDT contacts
- AC input and DC output LED status indicators
- Cover mounted AC input indication
- Hinged cover with lock down screws

Certifications:

- UL 294 certified—the standard for access control
- Class 2 rated*

* Except PS906, output rating exceeds Class 2 power limits

Once power is converted to low voltage DC, the PS900 Series offers a variety of distribution options, including basic fuse protection, simple relay, and advanced logic providing complex sequencing and timing functions.

* PS906 can provide Class 2 rated outputs when used with 900-8P distribution board.

	PS902	PS904	PS906	PS914
Number of connectors on power supply for the following:	2 amps	4 amps	6 amps	4 amps
Distribution boards	1	2	3	2
Battery back-up board	1	1	1	1

Note: One fire alarm board can be connected directly to the PS902. If a fire alarm board is desired for the PS904, PS906 or PS914 it can be connected to a distribution board.

Applications:

The PS900 Series of power supplies works with many electrified devices including Schlage electromagnetic locks, Schlage AD-Series hardwired locks, Schlage electrified mechanical locks, Von Duprin electrified strikes , Von Duprin exit devices, and many other brands.

Accessories:

The Schlage PS900 Series features seven option boards for use in a variety of applications. All Schlage PS900 Series power supplies option boards are UL 294 certified.

Option boards:

900-4R: 4 relay controlled output board to power multiple devices

900-4RL: 4 relay distribution board with logic is field configurable for time delay function, auto operator, security interlock

900-8F: Provides 8 individually fuse-protected outputs, giving the flexibility to power multiple devices and provide another layer of protection

900-FA: Emergency interface relay integrates with fire alarm and is used to cut power in case of emergency

900-BB: Battery backup

900-2RS: 2 relay EL/QEL panic device control board (PS914 only)

900-BBK: Battery backup kit includes two 7A/hr batteries and provides up to four hours of backup power when cycled every 5 minutes at full load

33A/35A Electrical accessories

EPT Electrical power transfer PNT Pneumatic transfer

Electric power transfer provides a means of transferring electrical power from a door frame to the edge of a swinging door. The units are completely concealed when the door is in the closed position, and are ideally suited for installations involving abuse or heavy traffic.



Two models are available; EPT-2, two 18 gauge wires and EPT-10, ten 24 gauge wires. The EPT-2 and EPT-10 are U/L listed as "miscellaneous door accessory".

Pneumatic controls

PNT-1 is available for pneumatic latch retraction exit devices. Appearance and dimensions are identical to EPT models.

UL Listed for use on fire doors

Door applications:

- up to 5" butt hinges – 180° swing,
 - 5 1/2" butt hinges – 130° swing,
 - 6" butt hinges – 110° swing,
 - 3/4" butt offset pivots 180° swing.
- Not for use with swing clear hinges or center-hung pivots.

Finishes

- SP28 (sprayed aluminum)
- SP313 (sprayed duranodic).

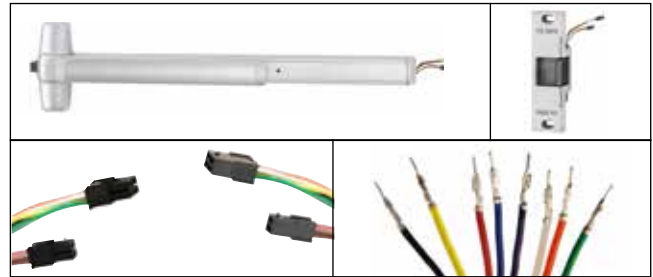
Dimensions

Housing	9" x 1 1/4" x 1 5/8" (229mm x 32mm x 38mm)
EPT-2	Two 18 gauge wires, Up to 2 AMPS @ 24VDC, with a 16 AMPS Maximum Surge
EPT-10	Ten 24 gauge wires, Up to 1 AMPS @ 24VDC, with a 16 AMPS Maximum Surge
PNT-1	5/32" Tubing

To order, specify:

1. EPT-2, EPT-10 or PNT-1.
2. Finish, SP28 or SP313.

Allegion Connect



Allegion's cross-category Connect features common interconnect components to our electrified options. Allegion Connect is a quick and easy way to connect power sources; all the way from your power supply to locking device. There is no wire cutting; reducing installation and maintenance time ultimately cutting cost. After installation, Allegion's Connect continues to provide benefits throughout the lifetime of the opening by offering a service kit for repairs or modifications in the future.

Features and benefits

- Quick: common connections reducing installation time
- Perfect Connections: these factory installed connectors ensure the right wires match up every time
- Protective: the connectors protect the connection points throughout the installation process and lifetime of the opening
- Interchangeable: all Allegion Connect products utilize the same connectors
- Maintenance: you no longer need to cut away wire to disconnect Allegion products, also available is a service kit specifically for Connect products.

Harness length	Connectors on both ends	Connectors on one end, crimped pins on the other end
6 Inches	CON-6	CON-6P
12 Inches	CON-12	CON-12P
26 Inches	CON-26	CON-26P
32 Inches	CON-32	CON-32P
38 Inches	CON-38	CON-38P
44 Inches	CON-44	CON-44P
50 Inches	CON-50	CON-50P
192 Inches	CON-192	CON-192P

Power Supply Wire Harness = Connectors on one end, stripped leads on the other end, offering a direct connection to the power supply

6 Inches	CON-6W - wire extension to power supply
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Consult door manufacturer for harness length requirements.

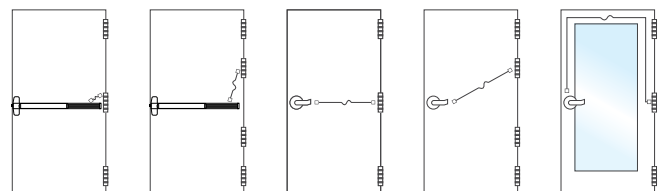
Note: You will need to purchase a separate wiring harness to go from exit device to hinge/EPT and an additional harness to go from hinge/EPT to power supply or access control system. Harness part numbers with ordering information can be located in the Schlage, Von Duprin and Falcon pricebooks. A service kit is available for order in the Schlage, Von Duprin and Falcon pricebooks. Included in this kit are male end plugs, female end plugs and pins to customize harnesses to your application.

Note: Must be ordered with exit devices and locks

How to order

1. Specify CON for Connect electronic options
Example: EL-35-EO-CON (35 Series Electrified Latching exit only with Connect connectors)
2. Specify harness length; Consult door manufacturer for harness length
3. Specify Von Duprin EPT10-CON or Ives 7200 power transfer hinge

Wire run options



33A/35A Mechanical options

AX Accessible device

The AX device is a UL certified exit device designed to meet the progressive requirements of the California Building Code for accessible openings. This device meets the 5 lbs of operating force requirement called for in chapter 11B-309.4. The AX device also exceeds ANSI/BHMA requirements. Available devices include: AX33/35A, AX33/35A-F, AX33/3549A LBL, AX33/3549A-F LBL, AX33/3549A-F LBLAFL. Additionally, all AX devices will be shipped with a new UL label clearly stating "Meets California Building Code (2013) Sec. 11B-309.4" and an "AX" identifier label on device center case. See images below for reference.



PN Pneumatic controlled exit devices



The PN feature provides remote latch bolt retraction in hazardous areas where electrically operated devices would not be permitted. The pneumatic solenoid will retract the latch bolt for momentary or prolonged periods. PN exit devices are particularly suited for use with automatic door operators. The PN feature is available on both Panic and fire exit hardware devices.

The PN feature includes a special actuating linkage that gives building owners the option of mechanically or pneumatically dogging the exit device. If manual hex-key dogging is required, specify HD-PN (Dogging the device, whether mechanically or pneumatically, makes the device function as a push/pull unit and reduces the wear on its moving parts.) If cylinder dogging is required, the standard cylinder dogging is not available.

When activated pneumatically, the latch bolt(s) of the exit device retract in 1/22 to 1/2 seconds. This pneumatic operation uses air pressure ranging from 50 to 100 pounds per square inch.

This product will function only when it is part of a pneumatic system (air compressor, air lines, pneumatic system, etc.).

Contact LCN for correct control boxes.

To order, specify:

- Standard — Use prefix PN, example PN99NL
- Hex Key Dogging — Use prefix HD-PN, example HD-PN33ANL
- Special Center Case Dogging (handing is required, specify RHR or LHR) — Use prefix SD-PN, example SD-PN33ANL

PNT pneumatic transfer

Pneumatic controls

PNT-1 is available for pneumatic latch retraction exit devices. Appearance and dimensions are identical to EPT models.

RSS Red Silk Screen



Red silkscreen lettering on touchpad trim. - "Emergency Exit Only, Push To Open And Sound Alarm". This comes standard on SS devices.

To order, specify: Suffix RSS, 3327L-RSS RHR

WH Weep holes

WH is available for all 98/99 Series exit devices. Weep holes are ideal for devices that are mounted to exterior doors that can be exposed to rain and other elements. Hole spacing on 3' and 4' devices are every 6" on center. A 3 foot device will have 5 holes, are 4 foot device will have 7 holes.

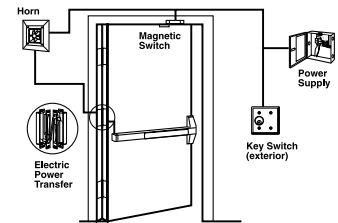
To order, specify: Suffix WH, 33A-EO-WH

SS Signal switch

Monitors pushpad and latch bolt

The SS feature is used to signal the unauthorized use of an opening. This device is

equipped with two internal SPDT switches. One switch monitors both the pushpad and the latch bolt assembly, making the latch bolt tamper resistant, for positive security. An additional SPDT switch is connected to the 1 1/4"



(32mm) mortise with straight cam for alarm "bypass." (Schlage cam reference B502-191).

The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply. A continuous current electric transfer must be used for transferring power from the frame to the door.

To order, specify:

1. Prefix SS, example SS33AL
2. Handing Required, LHR or RHR

Electrical ratings:

Up to 2.0 AMPS @ 24VDC

Popular SS application

Unauthorized use of this opening will activate the local horn. The key switch permits inhibiting this system for authorized entry.

SG Safety glow



Self-illuminating touchpad defines the location of the exit door in dark or smoke-filled area. The Safety Glow coating is a special powder coat finish that glows brightly during low or no light conditions. This coating was developed to meet MEA standards where luminescent exit door markings are required in commercial facilities. There are no batteries or electronics, the coating is charged when exposed to light.

To order, specify: Suffix SG, EL 3327A-SG

33A/35A Mechanical options

Dogging options

LD Less dogging

Less Dogging is available in all 33A/35A Panic Exit devices to remove the dogging option.

To order, specify: 1. Use prefix LD, example LD33AL

CD Cylinder dogging

Cylinder dogging is available on all 33A/35A Panic Exit devices to replace the standard hex key dogging. Unit requires a standard 1¹/₄" (32mm) mortise cylinder with a straight cam (Schlage Cam B502-191 reference).

To order, specify: 1. Use prefix, CD, example CD33AL

CDK Cylinder dogging kit

For field conversion, a cylinder dogging conversion kit is available. Cannot be added to fire exit hardware.

Order: 33A/99CDK or 35A/98CDK, specify finish



Dummy pushpad

The 330 dummy pushpad is designed as a companion unit for all 33A devices. The 350 dummy pushpad is a companion unit for all 35A devices. The pushpad is rigid or nonfunctioning. A push/pull operation can be accomplished by using 386DT, 360L-DT, 550DT, 392-6 trim or any Ives Pull.

The 330/350 can be equipped with a functional pushpad and will accommodate an RX switch. Specify RX-330. May also be equipped with the RX2, double RX switch. Specify RX2-330

To order, specify:

1. 330 or 350
2. Size 3' or 4' (914mm or 1219mm)
3. Finish, US3, US4, US10, US26, US26D, US28, 313AN, 315AN, 350 Only US32D.

33A/35A Device options & accessories

RG-27 Vertical rod and latch guard



Rod Guard

Series RG-27 Vertical rod and latch guards protect the bottom rods of exit devices from the damaging impacts of carts or gurneys passing through doors. (If bottom rods become damaged, the exit device will not function as intended and can jeopardize the ability to exit safely during an emergency.)

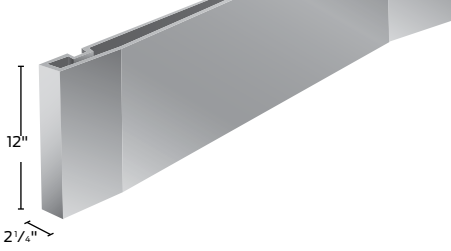
In addition to protecting the vertical rod, the guard provides a smooth, unobstructed surface so the door can be pushed open easily with the bumpers of a wheelchair. The latch guard portion is 10" high. The standard latch guard features a 45° ramp. The extended latch guard offers a continuous ramp in 3' or 4' widths.

All stainless steel construction in US32D finish. Latch guards can cover latches as large as 1 1/4" W x 10" H x 1 7/8" projection.

Latch Guard



Extended latch guard



Models

RGO	Rod guard only (Projection 1 3/16")
RG-27	Rod and latch guard
RG-27-3	3' (914mm) Rod guard and extended latch guard
RG-27-4	4' (1219mm) Rod guard and extended latch guard
LGO	Latch guard only
LGO-3	3' (914mm) Extended latch guard only
LGO-4	4' (1219mm) Extended latch guard only

Note: Wood doors - Can be used on fire doors with high density blocking with sheet metal screws. For non-fire rated wood doors use sex bolt.

To order, specify:

1. Model number.
2. Handing (except on RGO).
3. Door material if other than Hollow metal.
4. Optional sex bolt mounting available.

LBR/LBL Less bottom rod/Less bottom latch

LBR/LBL option is available, using a spring loaded auxiliary latch bolt installed in the lower door edge. When exposed to heat the auxiliary latch bolt releases, keeping the doors in alignment and closed during a fire. UL listed 3 hours on hollow metal doors double egress, 90 minute swinging same direction, and 20 minutes wood doors (consult wood door manufacturer). Fits door stiles as narrow as 3 5/8".

LBR/LBL devices must be ordered in pairs or must be used in conjunction with an approved automatic or constant latching flush bolt.

LBR/LBL used on non-fire rated devices, the spring loaded auxiliary latch bolt is not required. Device is supplied less bottom rod, latch and strike.

PL Pullman latch

When PL is specified the standard latches are replaced with pullman style latches. Pullman latches are always extended and are most commonly used in conjunction with electric strikes and LBR-less bottom rod application. Not available with Fire rated devices. Not recommended where security is of the utmost since latches do not deadlock.

GBK Glass bead kit

Glass bead conversion kits are available for all 33A/35A Series devices for use on doors with raised glass beads. Each kit consists of 1/4" (6mm) shim sets. GBK for Surface vertical rod ships with 1/8" shims for rod guides.

To order, specify:

1. 33AGBK
2. Device type (Rim, mortise, surface vertical rod, concealed vertical rod)
3. Wood door, when used with concealed vertical rod

WDA Cover plate kit

For wood door applications, used to cover up door preparations for control, also prevents the control from boring into the wood door. Finished to match control.



33A/35A Additional information

UL Listed — Fire exit hardware label/Opening size

Exit device	Single door	Double door	
		Same direction	Double egress
33A/35A-F	3 Hour 4' x 10'	3 Hour 8' x 8' (w/ KR98/9954 mullion)	-
		3 Hour 8' x 10' (w/ 98/9954 mullion)	
3327A-F	-	90 Min. 8' x 10'	3 Hour 8' x 10'
3527A-F	-	90 Min. 8' x 10'	3 Hour 8' x 10'
3347A-F	-	90 Min. 8' x 10'	3 Hour 8' x 10'
3547A-F	-	90 Min. 8' x 10'	3 Hour 8' x 10'
3348A-F	-	90 Min. 8' x 10'	3 Hour 8' x 10'
3548A-F	-	90 Min. 8' x 10'	3 Hour 8' x 10'
3349A-F	-	90 Min. 8' x 10'	3 Hour 8' x 10'
3549A-F	-	90 Min. 8' x 10'	3 Hour 8' x 10'

When using the 3347A-F and 3547A-F in a wood door application, consult wood door manufacturers for current UL listings.

Cylinders

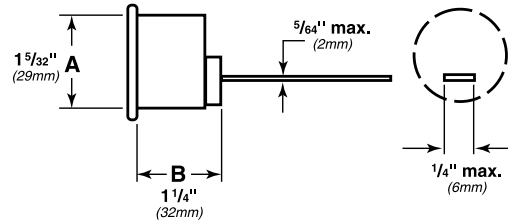
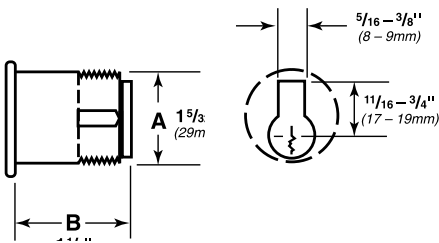
Cylinders are not furnished with device or trim and must be specified when ordering. Refer to trim pages for cylinder type.



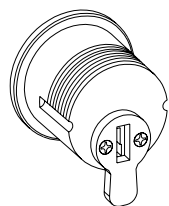
Mortise — 3215 (Schlage 20-001, B502-191 cam)



Rim — 3216 (Schlage 20-022 cam)

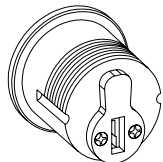


Dogged (inverted) cam



For cylinder dogging or 360L






Undogged cam (standard operations)



For standard trim functions or 360L-NL



33A/35A Finishes

Finishes*

	Color	US number	BHMA number
	Chromium, polished	US26	625
	Anodized, aluminum	US28	628
	Chromium, dull	US26D	626
	Brass, polished	US3	605
	Brass, dull	US4	606

	Color	US number	BHMA number
	Bronze, dull	US10	612
	Satin nickel Available for 35A ONLY	US15	619
	Duranodic dark bronze	313	710
	Black	315	711

Special finishes

	Color	US number	BHMA number
	Satin chrome, Antimicrobial	US26D-AM	626-AM
	Aged bronze 643e	–	–

Pushpad Options – Knurled

Embossed “Push”

Braille (Caution-Stairwell), satin stainless steel only

RSS – (Emergency Exit – Push to open and sound alarm) – Red Silkscreen lettering on US32D

* **NOTE:** Durable powder coated finishes available at specific special request. PLEASE CONTACT FACTORY.

About Allegion

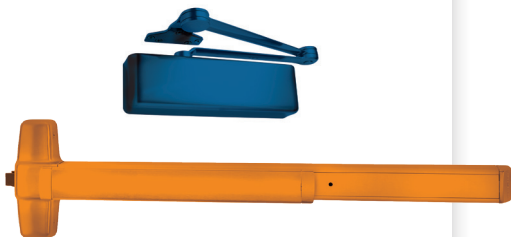
Allegion (NYSE: ALLE) creates peace of mind by pioneering safety and security. As a \$2 billion provider of security solutions for homes and businesses, Allegion employs more than 7,800 people and sells products in more than 120 countries across the world. Allegion comprises 23 global brands, including strategic brands CISA®, Interflex®, LCN®, Schlage® and Von Duprin®.

For more, visit www.allegion.com

aptiQ ■ LCN ■ **SCHLAGE** ■ STEELCRAFT ■ VON DUPRIN

LCN® and VON DUPRIN®

Powder coat guide



- Over 150 custom finishes to complement your project
- Powder coat provides superior protection with a tough, high durability, chip resistant finish
- Corrosion resistance certified to exceed 100 hour of salt spray testing

The custom powder coat colors provide an exciting variety of accent or complimentary colors. All of these colors are available for an additional cost and may have extended lead times.

Contact us at 877-671-7011 for additional information or assistance with your project.

www.allegion.com/us



ALLEGION™

RAL 1000	RAL 1014	RAL 1028	RAL 2009	RAL 3009	RAL 4002	RAL 5005	RAL 5021	RAL 6010	RAL 6025	RAL 7006	RAL 7030	RAL 7045	RAL 8007	RAL 8019	RAL 9003
RAL 1001	RAL 1015	RAL 1032	RAL 2010	RAL 3011	RAL 4003	RAL 5007	RAL 5022	RAL 6011	RAL 6026	RAL 7008	RAL 7031	RAL 7046	RAL 8008	RAL 8022	RAL 9004
RAL 1002	RAL 1016	RAL 1033	RAL 2011	RAL 3012	RAL 4004	RAL 5008	RAL 5023	RAL 6012	RAL 6027	RAL 7009	RAL 7032	RAL 7047	RAL 8011	RAL 8023	RAL 9005
RAL 1003	RAL 1017	RAL 1034	RAL 2012	RAL 3013	RAL 4005	RAL 5009	RAL 5024	RAL 6013	RAL 6028	RAL 7010	RAL 7033	RAL 8000	RAL 8012	RAL 8024	RAL 9010
RAL 1004	RAL 1018	RAL 1037	RAL 3000	RAL 3014	RAL 4006	RAL 5010	RAL 6000	RAL 6014	RAL 6029	RAL 7011	RAL 7034	RAL 8001	RAL 8014	RAL 8025	RAL 9011



RAL 3015	RAL 4007	RAL 5011	RAL 6001	RAL 6015	RAL 6032	RAL 7012	RAL 7035
RAL 3016	RAL 4008	RAL 5012	RAL 6002	RAL 6016	RAL 6033	RAL 7013	RAL 7036
RAL 3017	RAL 4009	RAL 5013	RAL 6003	RAL 6017	RAL 6034	RAL 7015	RAL 7037
RAL 3018	RAL 4010	RAL 5014	RAL 6004	RAL 6018	RAL 7000	RAL 7016	RAL 7038
RAL 3020	RAL 5000	RAL 5015	RAL 6005	RAL 6019	RAL 7001	RAL 7021	RAL 7039
RAL 3022	RAL 5001	RAL 5017	RAL 6006	RAL 6020	RAL 7002	RAL 7022	RAL 7040
RAL 3027	RAL 5002	RAL 5018	RAL 6007	RAL 6021	RAL 7003	RAL 7023	RAL 7042
RAL 3031	RAL 5003	RAL 5019	RAL 6008	RAL 6022	RAL 7004	RAL 7024	RAL 7043
RAL 4001	RAL 5004	RAL 5020	RAL 6009	RAL 6024	RAL 7005	RAL 7026	RAL 7044



RAL 8002	RAL 8015	RAL 8028	RAL 9016
RAL 8003	RAL 8016	RAL 9001	RAL 9017
RAL 8004	RAL 8017	RAL 9002	RAL 9018

Slight color deviations are due to printing processes.



ALLEGION™

Suiting guide

Featuring M Collection decorative levers
for Schlage and Von Duprin





M51



M54



M61



M85

This is artistry, consistency and quality. These are the M Collection decorative levers.

Door hardware is both a functional component and an architectural element. All the more reason to select durable door hardware that can be suited across the breadth of a facility—all the more reason to select Schlage and Von Duprin.

These names stand for something significant. They mean our customers trust us to deliver security, strength and quality. So whenever we create something new, we make sure it will live up to the very highest standards.

These levers are packed with style and durability. They are constructed of solid

brass or solid stainless steel for a strong-yet-comfortable feel. They also feature bi-directional, independent movement allowing upward and downward motion without disrupting the opposite side of the door.

Our expanded lineup of levers means you get more choices than ever before. And because they are compatible with our mortise and tubular locks, artistry, consistency and quality is effectively maintained throughout a room, a floor, or an entire facility.

A multitude of choices. For every opening.



VON DUPRIN®



Decorative levers

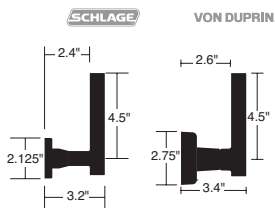
The M Collection

A range of options. A single standard of quality.

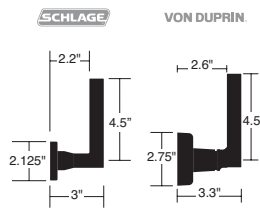
Introducing the M Collection, an entire lineup of decorative levers designed to maintain a custom high-style look on doors throughout any building—from the main entrance to the supply closet. The ability to suite M Collection levers across multiple platforms from Schlage and Von Duprin means consistent style and functionality—along with unrivaled security.

The M Collection was designed to function as a visual extension of any interior, from contemporary to classic.

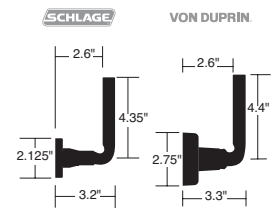
M51
♿



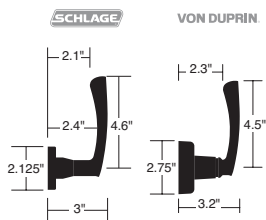
M52
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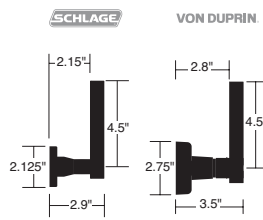
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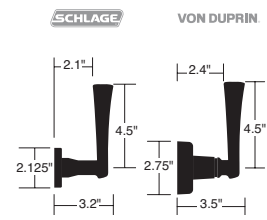
M56
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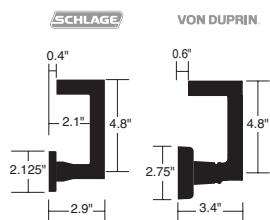
M57*
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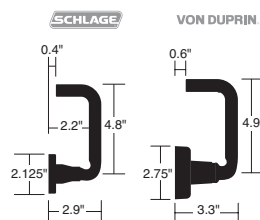
M61
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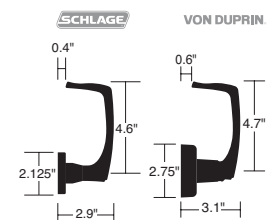
M81
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M82
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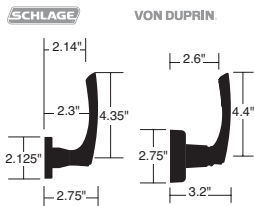
M83
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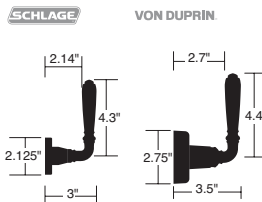
Finish options								
Color	Bright brass	Satin brass	Satin nickel	Bright chrome	Satin chrome	Bright stainless steel	Satin stainless steel	Aged bronze
US Number	605	606	619	625	626/626AM	629	630/630AM	643
BHMA Number	US3	US4	US15	US26	US26D	US32	US32D	US11

* Available in 630 and 630AM only.
 AM = Antimicrobial.
 See pricebook for additional trim and finish availability.
 33A, 95 & 99 devices not available in 619 & 630 finishes.

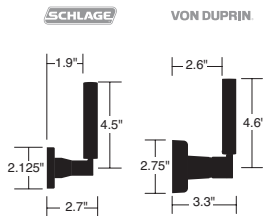
M54



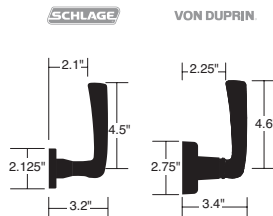
M55



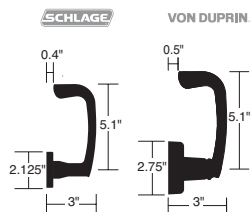
M62*



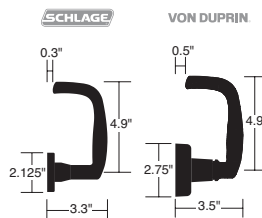
M63



M84



M85



All 15 of the M Collection designs can be paired with any of the following commercial graded products for suiting across an office, a floor, or an entire building.

Locks



Schlage L Series mortise locks / Grade 1

Schlage L Series locks have long been the industry standard for mortise locks, with a comprehensive offering of functions and options to support any opening need.



Schlage LT Series tubular locks / Grade 2

The perfect complement to the Schlage L Series or the Von Duprin exit devices, the LT Series Tubular chassis is based on venerable L Series mortise lock and provides an alternative for lever suiting interior doors.

Exit devices



Von Duprin 98/99 exit devices / Grade 1

Von Duprin created the first exit device in 1908, and continues to redefine the industry today with unsurpassed quality and industry-unique features such as concealed vertical cables. The 98/99 Series exit device is intended for standard-stile doors.

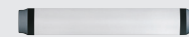
Available on 996L trim only.



Von Duprin 33A/35A exit devices / Grade 1

Offering the same innovative features as the 98/99 Series, the 33A/35A Series of exit devices is intended for narrow-stile doors.

Available on 996L trim only.

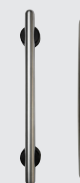


Von Duprin 94/95 exit devices / Grade 1

The 94/95 pushbar is recessed into the door to minimize the external profile, allowing more room for people and equipment to pass through.

Pulls and accessories

IVES / Grade 1



Finish the door opening with pulls and accessories that not only deliver exceptional quality, but provide a modern or elegant look depending on the architectural design.

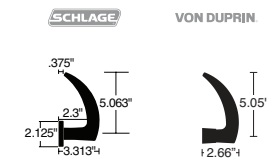
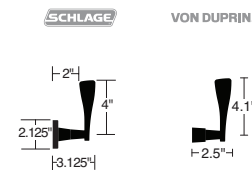
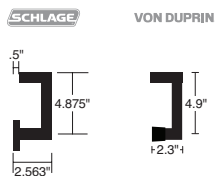
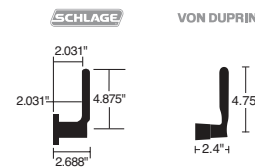
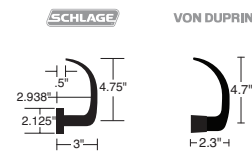
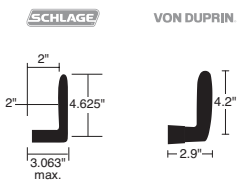
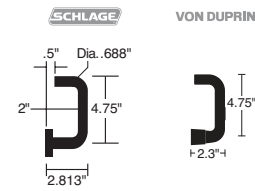
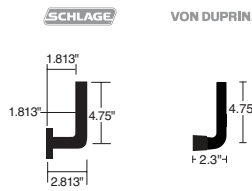
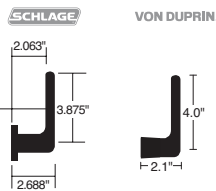
Images shown with Schlage L Mortise 'A' rose; additional rose and escutcheon designs available.

Standard levers

The standard lever collection

Built on our tradition of raising industry standards.

Like the M Collection, these levers can be paired with exit devices and locks from our trusted Schlage and Von Duprin brands. And, they are built to the same exacting standards. Our Standard Collection levers offer a more traditional style that is appropriate for use in a number of commercial applications.



Finish options										
Color	Bright brass	Satin brass	Satin bronze	Oil rubbed Bronze	Satin nickel	Bright chrome	Satin chrome	Bright stainless steel	Satin stainless steel	Aged bronze
BHMA Number	605	606	612	613	619	625	626/626AM	629	630/630AM	643
US Number	US3	US4	US10	US10B	US15	US26	US26D	US32	US32D	US11

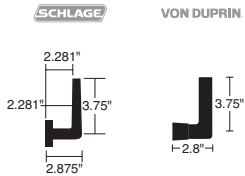
* Not available in 612 or 613 finish.

† Not available in 612, 613, 629 or 630 finish.

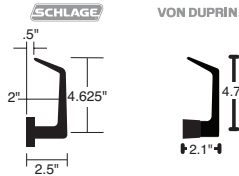
AM = Antimicrobial.

See pricebook for additional trim and finish availability. 33A, 95 & 99 devices not available in 619 & 630 finishes.

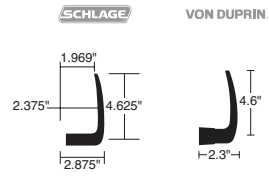
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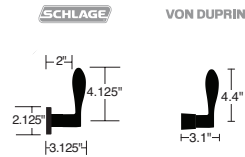
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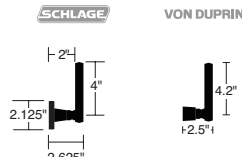
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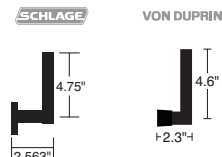
Accent †
♿



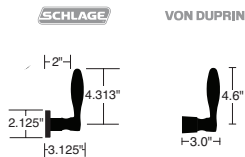
Asti †
♿



Latitude*
♿



St Annes
♿



To learn more about suiting of Schlage and Von Duprin products with our decorative or standard levers contact your security consultant or visit allegion.com.

About Allegion

Allegion (NYSE: ALLE) creates peace of mind by pioneering safety and security. As a \$2 billion provider of security solutions for homes and businesses, Allegion employs more than 8,000 people and sells products in more than 120 countries across the world. Allegion comprises more than 25 global brands, including strategic brands CISA®, Interflex®, LCN®, Schlage® and Von Duprin®.

For more, visit www.allegion.com

aptiQ ■ LCN ■ **SCHLAGE** ■ STEELCRAFT ■ VON DUPRIN

VON DUPRIN®

Door control
and security
hardware



Introduction

Since pioneering the first exit device in 1908, Von Duprin life safety products have provided unparalleled quality, performance and flexibility for schools, hospitals, stadiums and public buildings.

From innovative exit devices to electronic access control solutions and accessories, Von Duprin never compromises when lives are at stake.

Von Duprin exit devices meet or exceed domestic and international quality standards. All devices are UL listed for panic or fire hardware and are ANSI certified. Many models are built to resist hurricane conditions.

VON DUPRIN
Administrative Offices
2720 Tobey Dr.
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800-999-0328 - Fax

Technical Support
877-671-7011

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4200 Series electric strikes for cylindrical locks

Overview

The 4200 Series electric strikes are easy to order, configure in the field and install. This makes it a great choice for commercial applications where traffic control is the primary function.

Compatible with a wide range of cylindrical devices, the 4200 series makes electrifying an opening simple. It is designed and tested to work with all Schlage and Falcon cylindrical locks as well as those of many other manufacturers.

With a variety of field configurable options, the 4200 series is able to address a broad range of needs. The power failure mode (fail safe or fail secure) can be changed in the field without disassembling the strike. The 4200 series also features a 12/24 dual-voltage solenoid for field wiring of either input voltage.

Additional factory orderable options provide even greater flexibility. The 4200 series can be ordered with or without latchbolt monitor. Square face plate is offered standard to accommodate hollow metal frames, and rounded corner faceplates are available as an option for aluminum frames. An entry buzzer and rectifier kits are also available options.

The 4200 was developed with Von Duprin's high standards and engineering expertise. Its heavy duty stainless steel construction is designed to withstand abuse.

Features

- Field configurable 12/24 voltage utilizing dual-voltage internal solenoid
- Field configurable power failure mode (fail-safe/fail-secure)
- Non-handed, internal solenoid design
- Heavy duty stainless steel faceplate
- Latchbolt monitoring standard on 4212 only
- Optional entry buzzer and rectifier kits available for AC to DC operation
- 1 year electrical product warranty

Lockset compatibility

The 4200 series is compatible with all Schlage and Falcon cylindrical locks as well as cylindrical and deadlatch locks of many other manufacturers.

- The 4211 is compatible with locksets with $\frac{5}{8}$ " (15 mm) throw latchbolts, or up to $\frac{3}{4}$ " (19mm) throw latchbolts with a $\frac{1}{8}$ " door gap.
- The 4212 is compatible with locksets with $\frac{1}{2}$ " (12.7mm) throw latchbolts, or up to $\frac{5}{8}$ " (15 mm) throw latchbolts with a $\frac{1}{8}$ " door gap.



Technical specifications

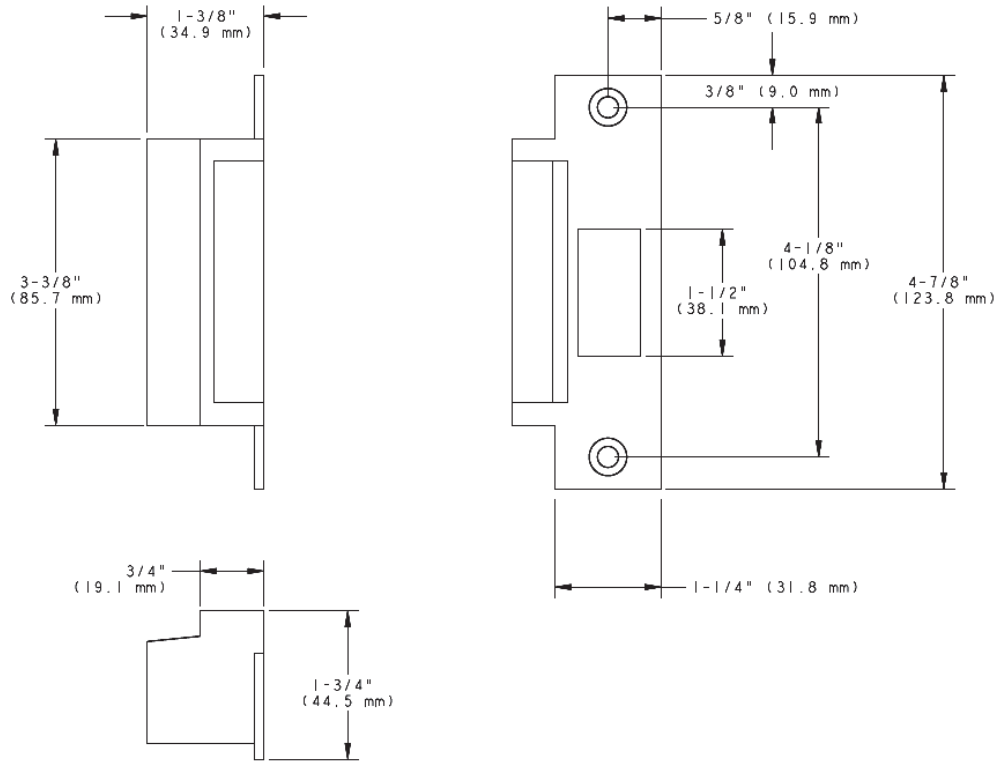
Strike	12 VDC	12 VDC
Current (amps)	0.20 A	0.10 A
Latchbolt monitor	30 VDC	
Current (amps)	0.20 A	

The 4200 series requires a DC regulated power supply, and the Schlage PS900 series power supplies are recommended.

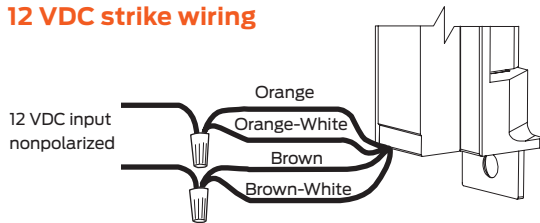
Model specifications

Model number	4211	4212	
Latchbolt throw	$\frac{3}{4}$ "	$\frac{5}{8}$ "	
Latchbolt monitor switch	---	•	
Face plate length	$4 \frac{7}{8}$ "	$4 \frac{7}{8}$ "	
Backbox depth	$1 \frac{3}{8}$ "	$1 \frac{3}{8}$ "	
Lockset	Cylindrical	•	•
	Deadlatch	•	•
	Mortise	---	---
	Rim exit devices	---	---
Number of doors	Single	•	•
	Pair	---	---
Door and frame type	Hollow metal	•	•
	Aluminum	•	•
	Wood	---	---
Options	EB (entry buzzer - fail-secure only)	•	•
	SO12 & SO24 rectifier kit for AC to DC operation	•	•
	Round corner faceplate	•	•

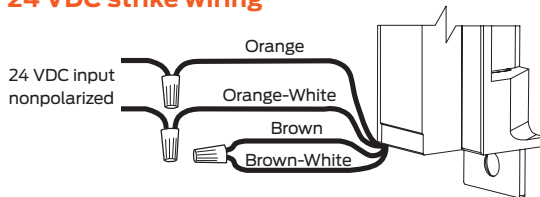
4200 Series electric strikes dimensions



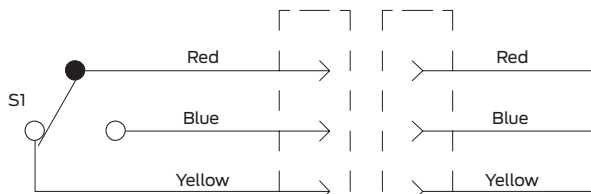
12 VDC strike wiring



24 VDC strike wiring



Latchbolt monitoring switch (4212 only)



Switch shown with latch status tripper depressed

Ordering information

4200 - S024 - EB

Model	Rectifier kit*	Buzzer*
1	2	3

* Optional

Selections correspond with the numbers above

1	Model
4211	See model specification chart to make the proper selection
4212	See model specification chart to make the proper selection
2	Rectifier kit (optional)
S012	Converts 12 VAC voltage to 12 VDC to operate the solenoid
S024	Converts 24 VAC voltage to 24 VDC to operate the solenoid
3	Buzzer (optional)
EB	Entry Buzzer, with fail-secure (FSE) configured

Standard features

- Power failure mode: Field configurable fail-secure/ fail-safe
- Voltage: Field configurable 12 VDC/24 VDC dual voltage solenoid
- Finish: 630 satin stainless steel

5100 Series electric strikes for cylindrical locksets

Overview

The Von Duprin 5100 electric strike has been designed and manufactured to meet the needs of locksmiths and security professionals. This easy-to-install electric strike was created for medium-duty applications, specifically to control traffic flow through interior and exterior openings in retail and commercial environments.

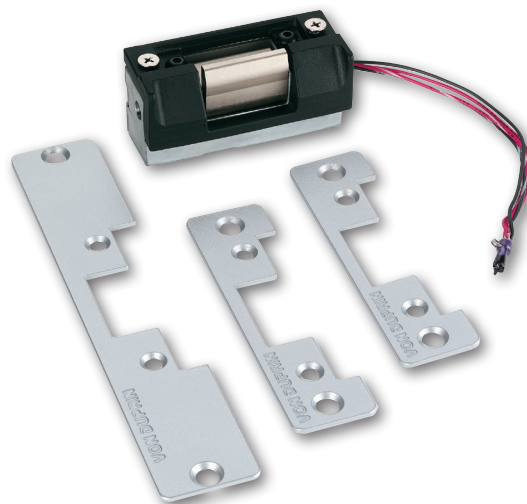
The 5100 electric strike is designed for maximum flexibility. It comes standard with three faceplates for hollow metal, wood or aluminum frames in every box. The internal 12/24VDC solenoid provides additional versatility. While the adjustable keeper improves fit for applications with weather stripping or tight door preps. Furthermore, power failure mode is field selectable fail-safe/fail-secure.

With multiple faceplates and flexible options, the 5100 provides added convenience by ensuring the right parts are in the box to get the job done. This reduces labor expense and reduces return trips to the job site.

The 5100 was developed with Von Duprin's high standards and engineering expertise. Its heavy-duty construction and tamper-resistant design is able to withstand abuse. The 5100 is tested to over one million cycles and provides 1300 lbs holding strength.

Features

- Three faceplates standard in every box
- 12/24 dual-voltage
- Fail-safe/fail-secure
- Adjustable keeper
- Internal solenoid
- Non-handed
- Backbox depth of 1¹¹/₁₆"
- Keeper depth of 1/2"
- Mounting tabs
- Retrofit kit
- Illustrated installation instructions
- Tamper resistant
- One year electrical product warranty
- Continuous duty operation
- Heavy duty construction
- Meets BHMA A156.31, Grade 1 for endurance and dynamic strength, and Grade 2 for static strength
- Static strength 1300 lbs
- Dynamic strength 70 ft-lbs
- Endurance 1,000,000 cycles



Technical specifications

Power options

DC: Regulated power supplies (recommended)	PS902 power supply	
AD/DC: Conversion	Von Duprin SO-24 kit	
	12VDC	12VDC
Resistance (ohms)	32	128
Power (watts)	4.5	4.5
Current (amps)	0.38	0.19

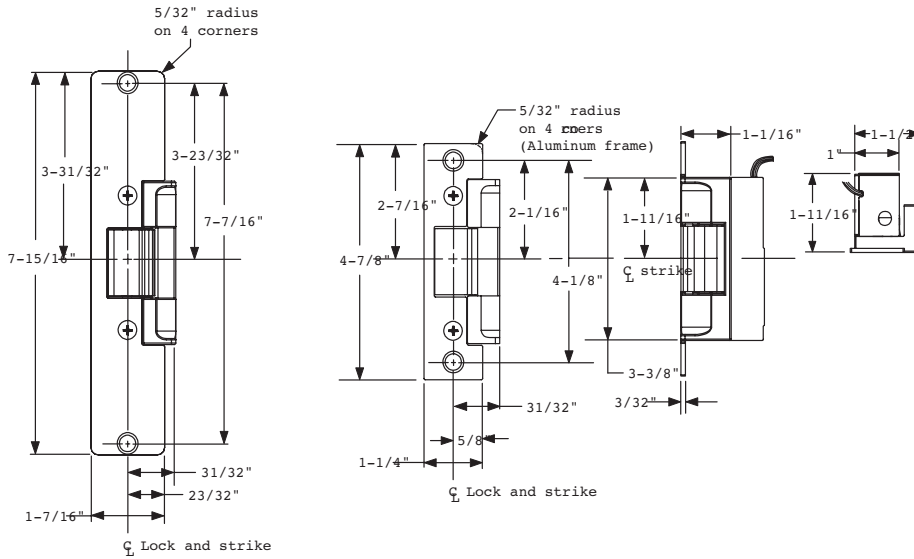
All specs ± 10% @ 77°F/25°C

Model specifications

Model #	5100
Latchbolt throw	1/2" to 5/8" with 1/8" door-frame gap
Face plate length	4 7/8" or 7 15/16"
Depth	1 11/16"
Lockset	Cylindrical
Door/frame type	Hollow metal, aluminum and wood
Number of doors	Single
Certifications	ANSI/BHMA 156.5 Grade 1, UL 1034 burglary listing
Application notes	Versatile electric strike for aftermarket, covering multiple applications in one SKU.

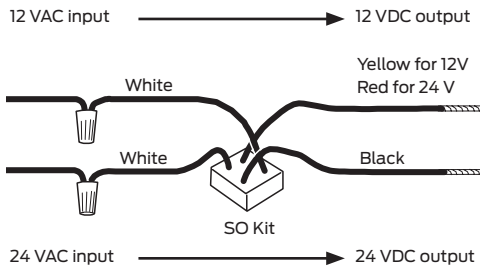
Lockset compatibility: Keeper depth of 1/2" is sufficient to accommodate all cylindrical locks up to 5/8" throw and most aluminum narrow stile deadlatches.

5100 Series electric strikes dimensions

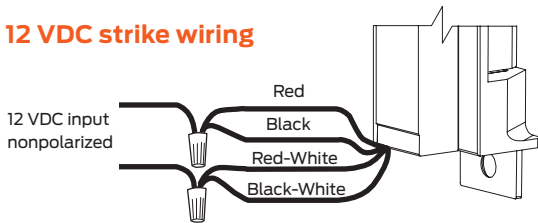


Solenoid power requirements; 12VDC, 0.38 A, 24 VDC, 0.19 A

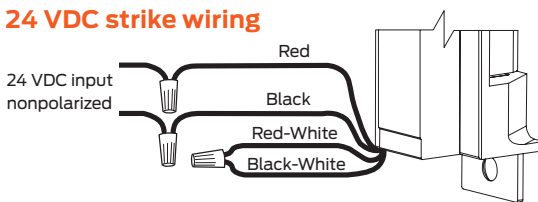
For DC operation, Von Duprin PS902 series power supply is recommended. For AC operation, Von Duprin SO24 kit is recommended.



12 VDC strike wiring



24 VDC strike wiring



Ordering information

5100-S024

Model	Rectifier kit*
1	2

* Optional

Selections correspond with the numbers above

1	Model
5100	Electric strike for cylindrical locksets
2	Rectifier kit (optional)
S012	Converts 12 VAC voltage to 12 VDC to operate the solenoid
S024	Converts 24 VAC voltage to 24 VDC to operate the solenoid

Standard features

- 24 volts DC
- Fail-secure
- Field convertible to fail-safe

6000 Series electric strikes

Overview

Von Duprin 6000 Series electric strikes

Von Duprin is the leading manufacturer of premium, heavy-duty electric strikes known for their reliability, durability and security.

Electric Strikes provide remote release of a locked door. They allow the door to be opened without retracting the latchbolt. This occurs by the releasing of the electric strike lip (sometimes called keeper or gate). When the door closes the beveled latchbolt rides over the lip and falls into the electric strike pocket.

Von Duprin 6100 Series electric strikes

Electric strikes for use with rim exit devices

Von Duprin 6200 Series electric strikes

Electric strikes for use with mortise/cylindrical electric locks

Versatility

- Furnished 24VDC standard with 12VDC and AC operation optional. 16VDC solenoids available.
- Furnished fail secure (FSE) standard, with fail safe (FS) optional.
- Strike box is adjustable to compensate for misalignment of the door or frame.
- Two piece plug connectors are furnished for ease of installation and for removal during strike servicing.

Durability

Developed with Von Duprin's high standards and engineering expertise.

- Heavy-duty stainless steel construction. Tested to over 250,000 cycles.

Features and Benefits

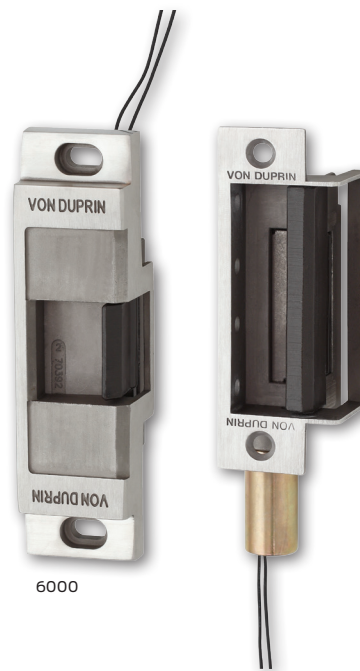
- Stainless Steel Construction
- Accepts 3/4" (19mm) Throw Latchbolt
- Six Finishes
- Non-handed
- Fail Secure
- Plug Connectors

Specifications	12V	24V
Resistance in Ohms±10% @ 70°F	21	82
Watt-seated @ 70°F	7.5	8
Amps-seated @ 70°F	.6	.33
Amps-inrush @ 70°F	.6	.33

To order, specify

1. **Model number**
2. **FS** (fail safe, when required)
3. **DS** or **DS-LC** (dual switch, when required)
4. **Voltage** 12VDC or 24VDC
For 16V solenoids order separately
5. **SO12** or **SO24** (required when using AC)
6. **Finish:** US3, US4, US10, US10B, US32, US32D
7. **EB** (Entry buzzer), **FSE** only (when required)

Note: Information listed is for use on new applications. On retrofit applications, modification of the frame preparation may be required, consult factory.



Options

AC operation

SO12 and SO24 are rectifier kits to convert AC voltage to operate the DC solenoids. These kits are field installable and plug in-line to solenoid.

DS and DS-LC — Dual switch monitoring (Factory Installed Only)

Dual switch monitoring option has two SPDT contacts, one switch monitors the tripper which is depressed when the latchbolt is inserted into the strike pocket. The second switch monitors the condition of the strike lip, open or closed and locked.

DS is standard, rated 24V, operating range from 2 ampere to 50 milliamperes.

DS-LC low current gold contact switches for use on applications associated with computer control and monitoring, rated 24V, operating range 50 milliamperes or below.

Fail secure — FSE

FSE — FAIL-SECURE electric strikes require power to be applied to unlock the strike lip. On loss of power, the strike is locked. Field convertible with parts.

Fail safe — FS

FS — FAIL-SAFE electric strikes require power to be applied to lock the strike lip. On loss of power, the strike is unlocked. Building codes prohibit the use of fail-safe strikes on labeled openings. Field convertible with parts.

Entry buzzer — EB

EB — Entry buzzer is available for use with fail-secure strikes. Installed in the frame and in parallel with the circuit, the buzzer will sound when the strike is unlocked.

UL listed

UL Listed Burglary-Resistant and Electric Strike for fire doors and frames. A label for single doors and B label for double doors. Strikes meet the requirements of ANSI 156.5, Grade 1, 1992.

+ Dual Monitor Switches (DS or DS-LC) are not available on open back strikes.

6100 Series strikes for rim exit devices

Overview

Von Duprin electric strikes are known for their reliability, durability and security. The 6100 Series is designed to withstand abuse. Its heavy-duty stainless steel construction is fully UL1034 and UL10C Listed and ANSI/BHMA Grade 1, 1500 lb hold force rated.

6100 Series electric strikes are designed for use with a variety of rim exit devices. They interface with the latch mechanism of the exit device. The movable lip (keeper) allows a door to open even when the latch bolt is extended. This feature, called remote release, provides added benefits such as increased convenience and efficiency. The 6100 Series also provides added security and traffic control.

6100 Series electric strikes can be used for retrofit applications or new construction. To assure the proper selection of an electric strike on new applications, lockset compatibility charts are shown on the next page. When using a lockset not listed or when

retrofitting a strike to an existing application, please contact Von Duprin technical support for application assistance.

The power failure mode of the 6100 can be specified at the time of order. Fail-secure is available for fire rated openings. In a fail-secure application, the door is normally locked. To unlock the

door, power must be applied. Fail-safe strikes which are commonly used for life safety applications are non-fire-rated. To unlock a fail-safe strike, power is removed. The 6100 comes standard 24 VDC; 12 VDC and AC operation are optional.

Features and benefits

- Non-handed design provides greater flexibility
- Strike box is adjustable to compensate for misalignment of the door or frame
- Two piece plug connectors are furnished for ease of installation and for removal during strike servicing
- ANSI 156.5 Grade 1, 1500 lb hold force rated
- UL1034 burglary-resistant and UL10C electric strike for fire door
- Six finishes available to suite with existing hardware
- Durable stainless steel construction
- 24 VDC standard with 12 VDC and AC operation optional
- Meets BHMA A156.31, Grade 1 for endurance and strength
- Static strength 1300 lbs
- Dynamic strength 70 ft-labs
- Endurance 1,000,000 cycles



Model specifications

Model number	6111	6112	6113	6114	6121	
Retrofits model	VD 3031	FA 310-4	VD 3011, VD 3021	FA 310-5	FA 310-4-100	
Latchbolt throw	3/4"	3/4"	3/4"	3/4"	3/4"	
Face plate length	6"	9"	6"	7"	9 1/8"	
Backbox depth	1 3/4"	1 3/4"	1 15/16"	---	N/A	
Lockset	Rim exit device	Rim exit device	Rim exit device	Rim nightlatch	Rim exit device	
Number of doors	Single	▪	▪	▪	---	
	Double door with mullion	▪	---	---	---	
	Double door without mullion	---	---	---	▪	
Door/frame type	Hollow metal	▪	▪	▪	▪	
	Aluminum	▪	▪	▪	▪	
	Wood	▪	▪	▪	---	▪
Options	Blade stop shim	Yes	No	Yes	No	No
	DS or DS-LC (dual monitor switches)	Yes	Yes	Yes	Yes	Yes
	EB (entry buzzer - fail-secure only)	Yes	Yes	Yes	Yes	Yes
Certifications	UL1034, UL10C, ANSI/BHMA 156.5 Grade 1, 1500 lb hold-force rated					
Application notes	1	2	3	4	5	

Note: 16 VDC and 28 VDC solenoid are sold as replacement parts for existing strikes. Please contact customer care for details.

Application notes:

1. For use with rim exit devices on single doors or double doors with mullion applications. 1/2" projection blade stop shim 010055-XX available for use on cased opening or blade stop frames. Specify when using 55 rim devices. May also be used with vertical rod exit devices noted on previous page x Pullman latch LBR. Non-fired-rated.
2. For use with rim exit devices on single door applications. Designed to replace Folger Adam 310-4, minor fame prep modification required.
3. 1/2" projection blade stop shim 010055-XX available for use on cased opening or blade stop frames. Non-fire rated.
4. Surface applied strike for use with rim nightlatches on single door applications. Designed to replace Folger Adam 310-5, with different mounting hole locations from Folger Adam.
5. Non-fire rated. For use with rim exit devices on double door applications without mullion. Strike mounts on inactive leaf. Replace Folger Adam 310-4-100.

Rim exit device compatibility

6111, 6112, 6113 & 6121 Strikes

Manufacturer	Device
Von Duprin	22, 33A, 35A, 55 ¹ , 88, 98, 99 8827 LBR ⁴ x Pullman latch Non-Fire rated 9827 LBR ⁴ x Pullman latch Non-Fire rated 9927 LBR ⁴ x Pullman latch Non-Fire rated
Falcon Monarch ²	XX-R, 18-R, 19-R, 24-R, 25-R
Falcon Doromatic	1790
Precision ²	2100
Sargent	2800, 6500, 6800, 8500, 8800, 9500, 9800 ³ , 9898
Yale	1500, 700

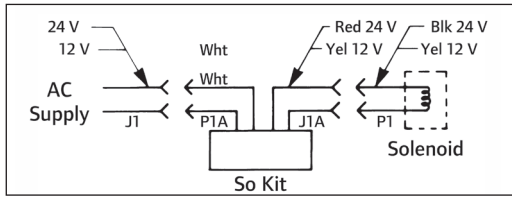
1. Strike must be factory modified, specify when using with a 55 Rim device
2. Deadlocking feature will not properly function, consult factory
3. Panic only, Not fire-rated
4. 6111 is recommended for LBR applications

Note: When using a lockset not listed or when retrofitting an existing application, please contact Von Duprin technical support for application assistance

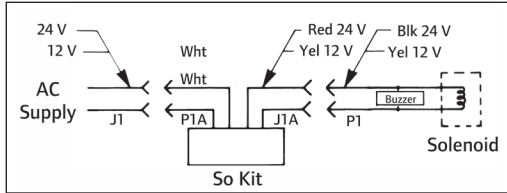
6100 Series strikes dimensions

Wiring

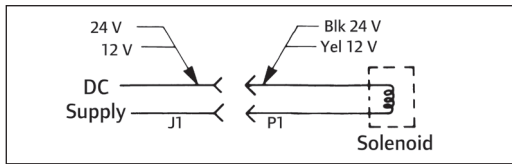
AC



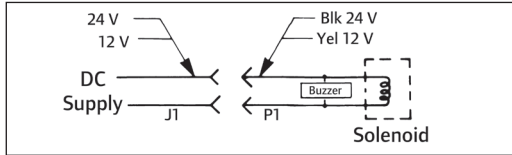
AC with buzzer



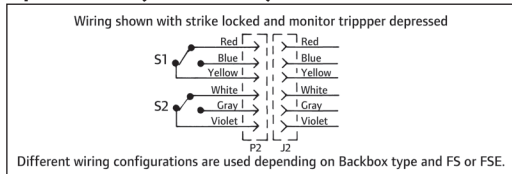
DC



DC with buzzer



Optional DS (FSE shown)

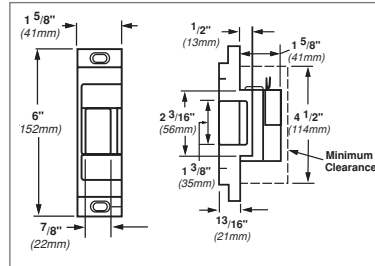


6100 Series specifications

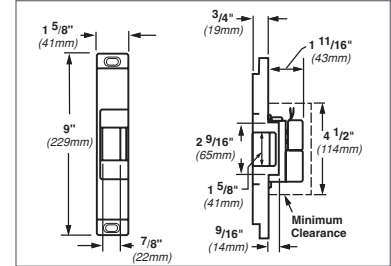
	12V	24V
Resistance in Ohms ±10% @ 70°F	21	82
Watt-seated @ 70°F	7.5	8
Amps-seated @ 70°F	0.6	0.33
Amps-inrush @ 70°F	0.6	0.33

Dimensions

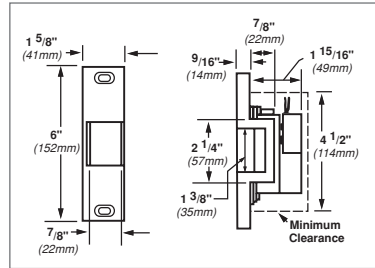
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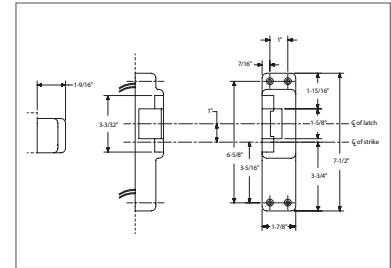
6112



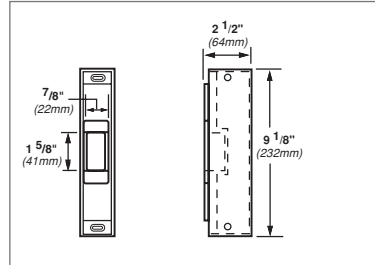
6113



6114



6121



6100 Series strikes dimensions

6100 Series how to order

Ordering information

6112 - FSE - DS - 24 - S024 - US3 - EB

Model	Power failure mode	Dual switch*	Voltage	Rectifier kit*	Finish	Buzzer*
1	2	3	4	5	6	7

* Optional

Selections correspond with the numbers above

1	Model
6111	See chart on page 3 to make the proper selection
6112	See chart on page 3 to make the proper selection
6113	See chart on page 3 to make the proper selection
6114	See chart on page 3 to make the proper selection
6121	See chart on page 3 to make the proper selection
2	Power failure mode
FSE	Fail-secure. Requires power to be applied to unlock the strike lip. On loss of power, the strike lip is locked. Fire-rated.
FS	Fail-safe. Requires power to be applied to lock the strike lip. On loss of power, the strike lip is unlocked. Non-fire-rated.

3	Dual switch (optional)
DS	Monitors latch bolt and lock status. DS switches rated at 24 VDC 50 milliampere - 2 amps.
DS-LC	Optional for computer monitoring. Monitors latch bolt & lock status. DS switches rated 24 VDC 50 milliampere or less.
4	Voltage (VDC)
24	Low voltage DC power
12	Low voltage DC power
If AC power is required specify rectifier kit below.	
5	Rectifier kit (optional)
S012	Converts 12 VAC voltage to 12 VDC to operate the solenoid
S024	Converts 24 VAC voltage to 24 VDC to operate the solenoid

6	Finish
US number/Von Duprin number	
US3/85	Plated polished brass on stainless steel
US4/84	Plated dull brass on stainless steel
US10/06	Plated dull bronze on stainless steel
US10B/86	Plated dark bronze on stainless steel
US32/31	Stainless steel, polished
US32D/32	Stainless steel, satin
7	Buzzer (optional)
EB	Entry Buzzer.
Only available if Fail-Secure (FSE) is specified.	

6200 Series strikes for mortise or cylindrical devices

Overview

Von Duprin electric strikes are known for their reliability, durability and security. The 6200 Series is designed to withstand abuse. Its heavy-duty stainless steel construction is fully UL1034 and UL10C Listed and ANSI/BHMA Grade 1, 1500 lb hold force rated.

6200 Series electric strikes are designed for use with a variety of mortise or cylindrical locksets, as well as mortise exit devices. It interfaces with the latch mechanism of the exit device. The 6200 Series movable lip (keeper) allows a door to open, even when the latch bolt is extended. This feature, called remote release provides added benefits such as increased convenience and efficiency. The 6200 Series also provides added security and traffic control.

6200 Series electric strikes can be used for retrofit applications or new construction. To assure the proper selection of an electric strike on new applications, lockset compatibility charts are shown on the next page. When using a lockset not listed or when retrofitting a strike to an existing application, please contact Von Duprin Technical Support for application assistance.

The power failure mode of the 6200 Series can be specified at the time of order. Fail-secure is available for fire rated openings. In a fail-secure application, the door is normally locked. To unlock the door power must be applied. Fail-safe strikes, which are commonly used for life safety applications, are non-fire rated. To unlock a fail-safe strike, power is removed. The 6200 Series comes standard with 24 VDC; 12 VDC and AC operation are optional.

Features and benefits

- Non handed design provides greater flexibility
- Strike box is adjustable to compensate for misalignment of the door or frame
- Two piece plug connectors are furnished for ease of installation and for removal during strike servicing
- ANSI 156.5 Grade 1, 1500 lb hold-force rated
- UL1034 Burglary-Resistant and UL10C Electric Strike for Fire Door
- Six finishes available to suite with existing hardware
- Durable stainless steel construction
- 24 VDC standard with 12 VDC and AC operation optional
- Meets BHMA A156.31, Grade 1 for endurance and strength
- Static strength 1300 lbs
- Dynamic strength 70 ft-lbs
- Endurance 1,000,000 cycles

Specifications	12V	24V
Resistance in Ohms±10% @ 70°F	21	82
Watt-seated @ 70°F	7.5	8
Amps-seated @ 70°F	0.6	0.33
Amps-inrush @ 70°F	0.6	0.33



Mortise Lockset Compatibility

6211, 6211AL, 6211WF, 6212, 6213, 6214, 6215, 6221, 6222, 6223, 6224, 6224AL, 6225 & 6226 Strikes

Manufacturer	Model Number
Von Duprin	7500
Adams Rite	4510, 4710
Baldwin	6000
Best	24H, 30H
Corbin	9000
Falcon	M2300, M2500, M2600, M3300, M3500, M3600
Precision	Mortise
Russwin	Mortise
Sargent	7700, 8100, 9000
Schlage	L9000, K30, K40, K50, K60
Yale	7030, 7130, 8600, 8700

Mortise Lockset Compatibility

6210

Manufacturer	Model Number
Von Duprin	7500
Best	30H (not 45H/47H)
Corbin/Russwin	ML2200, 5000, 9000, CR2200 (not 2000)
Falcon	M100, M200, M300, M400, M500, M600
Sargent	7700, 8100 (not 7800/8200)
Schlage	L9000
Yale	8700 (not 8800)

Cylindrical Lockset Compatibility^{1,3}

6211, 6211AL, 6211WF, 6212, 6213, 6214, 6215, 6221, 6222, 6223, 6224, 6224AL, 6225 & 6226 Strikes

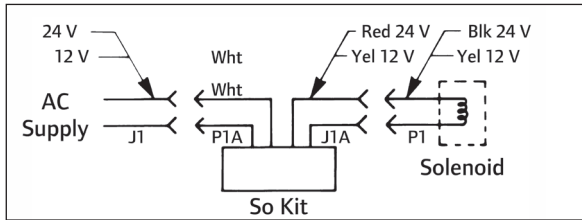
Manufacturer	Model Number
Baldwin	1/2" - 3/4" (13mm - 19mm)
Best	3/8" - 3/4" (10mm - 19mm)
Corbin	1/2" - 3/4" (13mm - 19mm)
Falcon	1/2" - 3/4" (13mm - 19mm)
Russwin	1/2" - 3/4" (13mm - 19mm)
Sargent	1/2" - 3/4" (13mm - 19mm)
Schlage	3/8" - 3/4" (10mm - 19mm)
Yale	1/2" - 3/4" (13mm - 19mm)

1. Von Duprin cannot guarantee compatibility as other manufacturer's designs may change without notice.
2. Signalling may not function when using 3/8" (10mm) throw bolt. Deadlocking cannot be guaranteed with all locks.
3. When using a lockset not listed or when retrofitting a strike to an existing application, please contact Von Duprin Technical Support for assistance.

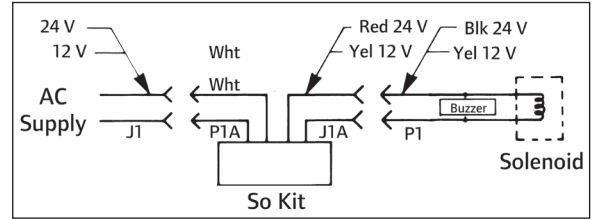
6200 Series strikes for mortise or cylindrical devices

Wiring

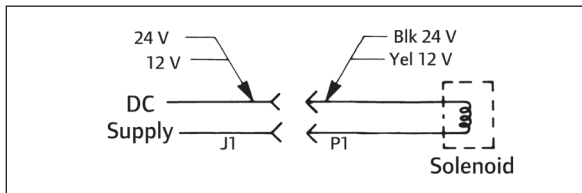
AC



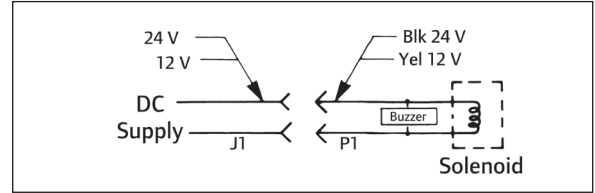
AC with buzzer



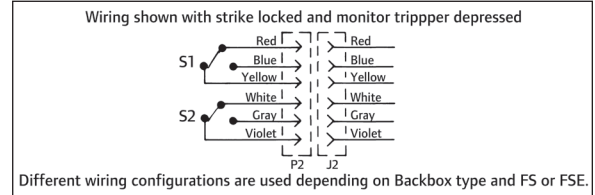
DC



DC with buzzer



Optional DS (FSE shown)



Model Specifications







Model #		6210	6211	6211AL	6211WF	6212
Retrofits model		n/a	VD 3140, FA 712	FA 722	FA 732	VD 3146
Latchbolt throw		3/4"	3/4"	3/4"	3/4"	3/4"
Face plate length		4 7/8"	4 7/8"	4 7/8"	4 7/8"	6 3/8"
Backbox depth		1 21/32"	1 21/32"	1 21/32"	4 1/2"	1 21/32"
Lockset	Mortise	•	•	•	•	•
	Cylindrical	---	•	•	•	•
# Doors	Single	•	•	•	•	•
	Pair	---	---	---	---	---
Door & frame type	Hollow metal	•	•	---	---	•
	Aluminum	•	•	•	---	•
	Wood	---	---	---	•	---
Options	DS or DS-LC (dual monitor switches)	•	•	•	•	•
	EB (Entry buzzer - fail secure only)	•	•	•	•	•
	28 VDC AC rectifier kit	•	•	•	•	•
	16 VDC solenoid	•	•	•	•	•
Certifications	UL1034	•	•	•	•	•
	UL10C	•	•	•	•	•
	ANSI/BHMA 156.5 Grade 1 1500lb. Hold force rated	•	•	•	•	•
Application notes		1	2	3	4	5







Application notes:

- For use with mortise locks without deadbolt on single door, hollow metal frame applications and using ANSI prep at standard height. Strike pocket inserts are provided to accommodate different manufacturers deadlocking trigger locations.
- For use on new installations with mortise locks without deadbolt or cylindrical locks on single door, hollow metal frame applications. Designed to replace Von Duprin 3140 or Folger Adam 712.
- For use on new installations with mortise locks without deadbolt or cylindrical locks on single door, aluminum frame applications
- For use on new installations with mortise locks without deadbolt or cylindrical locks on single door wood frame applications. Designed to replace Folger Adams 732. Wood frame horizontal solenoid location differs from Folger Adams. Requires additional frame prep when retrofitting.
- For use with mortise locks without deadbolt or cylindrical locks on single door, hollow metal or aluminum frame applications. Fits modified ANSI 115.2 cutout. Designed to replace Von Duprin 3146

6200 Series strikes for mortise or cylindrical devices

Model Specifications

							
Model #		6212WF	6213	6214	6215	6216	6221
Retrofits model		n/a	VD 3041, 3042, 3061, 3062	FA 310-2 3/4	FA 310-2	FA 310-3-1	VD 3071 & 3072
Latchbolt throw		3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Face plate length		6 3/8"	6"	9"	9"	9"	6"
Backbox depth		4 3/4"	2 1/2"	1 5/8"	1 5/8"	3 5/32"	4 3/4"
Lockset	Mortise	•	•	•	•	•	•
	Cylindrical	•	•	•	•	•	•
# Doors	Single	•	•	•	•	•	•
	Pair						•
Door & frame type	Hollow metal		•	•	•	•	•
	Aluminum		•	•	•	•	•
	Wood	•	See note 2 below			•	•
Options	DS or DS-LC (dual monitor switches)	•	•	•	•	•	•
	EB (Entry buzzer - fail secure only)	•	•	•	•	•	•
	28 VDC AC rectifier kit	•	•	•	•	•	•
	16 VDC solenoid	•	•	•	•	•	•
Certifications	UL1034	•	•	•	•	•	•
	UL10C	•	•	•	•	•	•
	ANSI/BHMA 156.5 Grade 1 1500lb. Hold force rated	•	•	•	•	•	•
Application notes		6	7	8	9	10	11

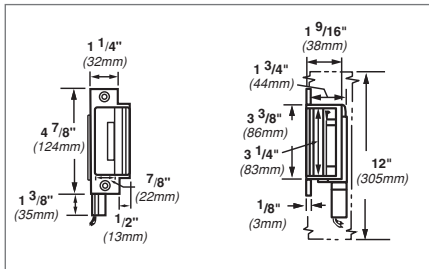
							
Model #		6222	6223	6224	6224AL	6225	6226
Retrofits model		FA 310-2 3/4 OB	VD 3091 & 3092	FA 310-2 3/4	FA 310-2RF	FA 310-2 OB	FA 310-2
Latchbolt throw		3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Face plate length		9"	6"	9"	9"	9"	9"
Backbox depth		1 5/8"	4 1/2"	1 5/8"	1 5/8"	1 5/8"	1 5/8"
Lockset	Mortise	•	•	•	•	•	•
	Cylindrical	•	•	•	•	•	•
# Doors	Single	---	---	---	---	---	---
	Pair	•	•	•	•	•	•
Door & frame type	Hollow metal	•	•	•	•	•	•
	Aluminum	•	•	•	•	•	•
	Wood	---	•	---	---	---	---
Options	DS or DS-LC (dual monitor switches)	•	•	•	•	•	•
	EB (Entry buzzer - fail secure only)	•	•	•	•	•	•
	28 VDC AC rectifier kit	•	•	•	•	•	•
	16 VDC solenoid	•	•	•	•	•	•
Certifications	UL1034	•	•	•	•	•	•
	UL10C	•	•	•	•	•	•
	ANSI/BHMA 156.5 Grade 1 1500lb. Hold force rated	•	•	•	•	•	•
Application notes		12	13	14	15	16	17

- 6 For use with mortise locks without deadbolt or cylindrical locks on single door, wood frame applications.
- 7 For use with mortise locks without deadbolt or cylindrical locks on single door hollow metal or aluminum frame applications (includes wood frame on retrofit applications). Designed to replace Von Duprin 3041, 3042, 3061 and 3062.
- 8 For use with mortise locks without deadbolt or cylindrical locks on single door hollow metal or aluminum frame applications. Designed to replace Folger Adams 310-2 3/4
- 9 For use with mortise locks without deadbolt or cylindrical locks on single door hollow metal or aluminum frame applications. Designed to replace Folger Adams 310-2.
- 10 For use with mortise locks with deadbolt 1" throw on single door hollow metal aluminum or wood frame applications. Deadbolt must be manually operated. Designed to replace Folger Adams 310-3-1.
- 11 Open back electric strike for use with mortise locks without deadbolt or cylindrical locks on 1 3/4" (44mm) thick double door applications. 4 3/4" (120 mm) minimum stile required. For a concealed vertical rod and mortise device combination, specify "A" backbox.
- 12 Open back electric strike for use with mortise locks without deadbolt or cylindrical locks on 1 3/4" (44mm) thick double door applications
- 13 Closed back electric strike for use with mortise locks without deadbolt or cylindrical locks on 1 3/4" (44mm) thick double door applications. 4 3/4" (120mm) minimum stile required. For a concealed vertical rod and mortise device combination specify "A" backbox.
- 14 Closed back electric strike for use with mortise locks without deadbolt or cylindrical locks on 1 3/4" (44mm) or 2 1/4" (57mm) thick double door applications.
- 15 Closed back electric strike for use with mortise locks without deadbolt or cylindrical locks on 1 3/4" (44mm) or 2 1/4" (57mm) thick aluminum double door applications.
- 16 Open back electric strike for use with mortise locks without deadbolt or cylindrical locks on 1 3/4" (44mm) thick double door applications.
- 17 Closed back electric strike for use with mortise locks without deadbolt or cylindrical locks on 1 3/4" (44mm) or 2 1/4" (57mm) thick double door applications.

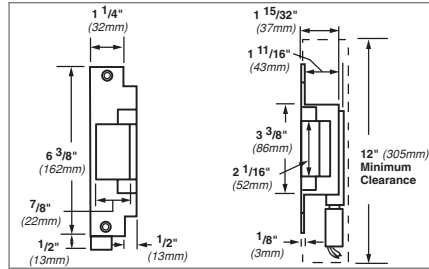
6200 Series strikes dimensions

Dimensions

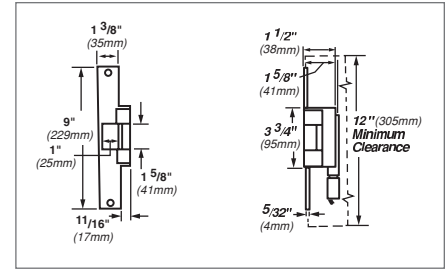
6210



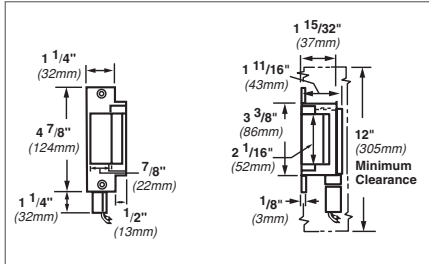
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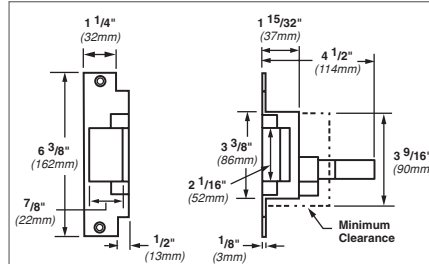
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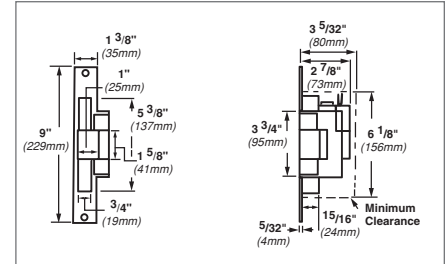
6211



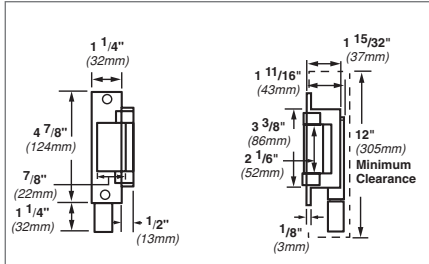
6212WF



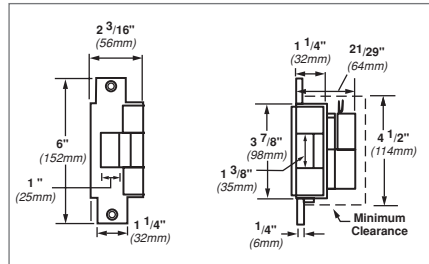
6216



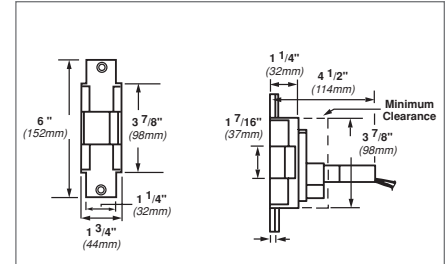
6211AL



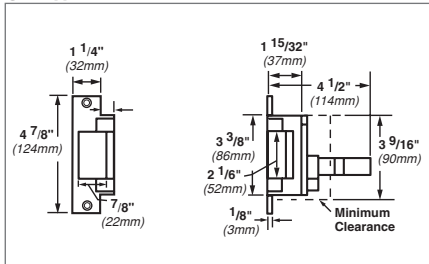
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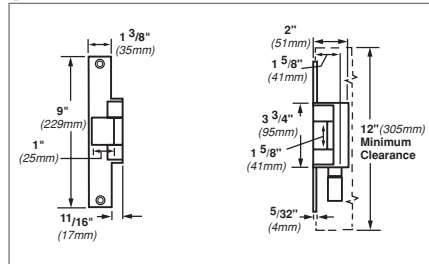
6221



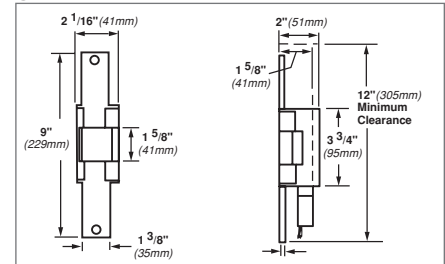
6211WF



6214



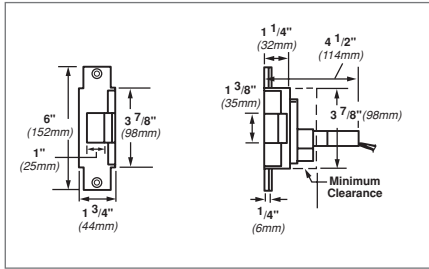
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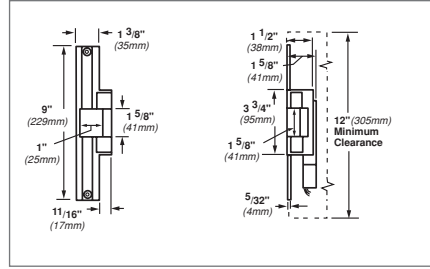
6200 Series strikes dimensions

Dimensions

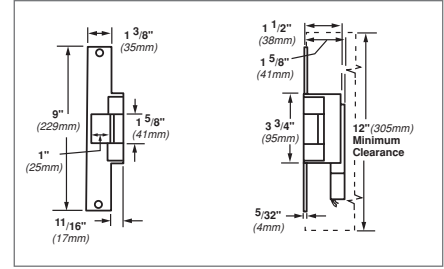
6223



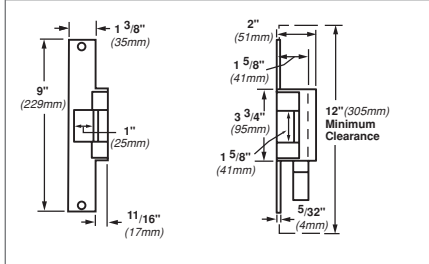
6224AL



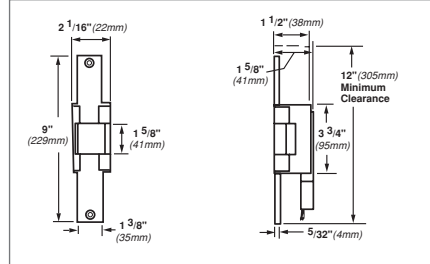
6126



6224



6225



Ordering information

6210 - FSE - DS - 24 - S024 - US3 - EB

Model	Power failure mode	Dual switch*	Voltage	Rectifier kit*	Finish	Buzzer*
1	2	3	4	5	6	7

* Optional

Selections correspond with the numbers above

1	Model	2	Power failure mode	6	Finish US number/Von Duprin number
6210	See chart on page 13 to make the proper selection	FSE	Fail-secure. Requires power to be applied to unlock the strike lip. On loss of power, the strike lip is locked. Fire-rated.	US3/85	Plated polished brass on stainless steel
6211	See chart on page 13 to make the proper selection	FS	Fail-safe. Requires power to be applied to lock the strike lip. On loss of power, the strike lip is unlocked. Non-fire-rated.	US4/84	Plated dull brass on stainless steel
6211AL	See chart on page 13 to make the proper selection			US10/06	Plated dull bronze on stainless steel
6211WF	See chart on page 13 to make the proper selection			US10B/86	Plated dark bronze on stainless steel
6212	See chart on page 13 to make the proper selection	3	Dual switch (optional)	US32/31	Stainless steel, polished
6212WF	See chart on page 14 to make the proper selection	DS	Monitors latch bolt and lock status. DS switches rated at 24 VDC 50 milliamperes - 2 amps.	US32D/32	Stainless steel, satin
6213	See chart on page 14 to make the proper selection	DS-LC	Optional for computer monitoring. Monitors latch bolt & lock status. DS-LS switches rated 24 VDC 50 milliamperes or less.	7	Buzzer (optional)
6214	See chart on page 14 to make the proper selection			EB	Entry Buzzer. Only available if Fail-Secure (FSE) is specified.
6215	See chart on page 14 to make the proper selection	4	Voltage (VDC)		
6216	See chart on page 14 to make the proper selection	24	Low voltage DC power		
6221	See chart on page 14 to make the proper selection	12	Low voltage DC power		
6222	See chart on page 14 to make the proper selection		If AC power is required, specify rectifier kit below.		
6223	See chart on page 14 to make the proper selection	5	Rectifier kit (optional)		
6224	See chart on page 14 to make the proper selection	SO12	Converts 12 VAC voltage to 12 VDC to operate the solenoid		
6224AL	See chart on page 14 to make the proper selection	SO24	Converts 24 VAC voltage to 24 VDC to operate the solenoid		
6225	See chart on page 14 to make the proper selection				
6226	See chart on page 14 to make the proper selection				

6300 Series surface mounted strike for rim exit devices

Overview

Von Duprin electric strikes are known for their reliability, durability and security. The 6300 Series is designed to withstand abuse. Its heavy-duty stainless steel construction is fully UL1034 and UL10C Listed.

6300 Series electric strikes are designed for use with a variety of rim devices. It interfaces with the latch mechanism of the exit device. The movable lip (keeper) allows a door to open even when the latch bolt is extended. This feature, called remote release, provides added benefits such as increased convenience and efficiency. The 6300 Series also provides added security and traffic control.

6300 Series electric strikes are ideal for aftermarket applications. It is easy to install without modifying or altering the door frame. To assure the proper selection of an electric strike on new applications, lockset compatibility charts are shown on the next page. When using a lockset not listed or when retrofitting a strike to an existing application, please contact Von Duprin technical support for application assistance.

The 6300 is fail-secure (FSE) only to achieve compliance with UL10C for fire-rated openings. In a fail-secure application, the door is normally locked. To unlock the door, power must be applied. The 6300 strike can be used with either 12VDC or 24VDC. There are 2 connectors that ship with it and the appropriate connector for either 12VDC or 24VDC will be used, based upon the available voltage at the opening.

Features

- Non-handed design provides greater flexibility
- Requires no alteration or cutting to existing frame
- UL1034 burglary-resistant and
- UL10C electric strike for fire door
- Stainless steel (satin) finish
- Durable stainless steel construction
- Field selectable voltage 12VDC or 24VDC
- Meets BHMA A156.31, Grade 1 for endurance and strength
- Static strength 1300 lbs
- Dynamic strength 70 ft-lbs
- Endurance 1,000,000 cycles



6300 Surface mount specifications

Model	Voltage	Current	Duty	Amps	Ohms
6300	12V	DC	Continuous	0.50	22
6300	24V	DC	Continuous	0.24	89

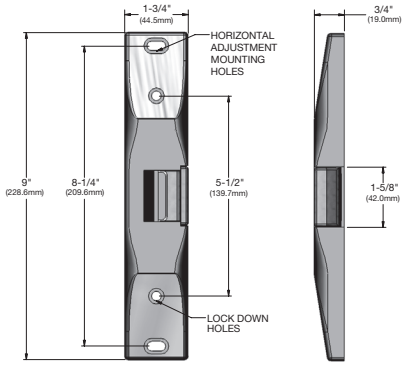
Rim exit device compatibility 6300 strikes

Manufacturer	Model Number
Von Duprin	VD 22/22-F Rim
Von Duprin	VD 33A/35A Rim
Von Duprin	VD 55 Rim
Von Duprin	VD 88/88-F Rim device
Von Duprin	VD 98/99 and 98/99-F Rim
Falcon	Falcon 24/24-F Rim
Falcon	Falcon 25/25-F Rim
Falcon	Falcon 19/19-F Rim
Falcon Doromatic	Falcon Doromatic 1790
Falcon Doromatic	Falcon Doromatic 2090

Model specifications

Model #	6300
Retrofits model	N/A
Latchbolt throw	3/4"
Face plate length	9"
Projection	3/4"
Lockset	Rim exit device
# Doors	Single or pair with mullion
Door/frame type	Hollow metal, aluminum and wood
EB (entry buzzer)	Optional
Certifications	UL1034, UL10C
Application notes	Surface mounted electric strike ideal for aftermarket applications. Strike designed for use with Von Duprin 98/99, however it can be used with most rim exit devices.

6300 Series dimensions



DC = Direct current

Continuous duty = Energized 1 min. or more

Note: When using device not listed or when retrofitting a strike to an existing application, please contact Von Duprin Technical Support for application assistance.

Ordering information

6300 - S024 - EB

Model	Rectifier kit*	Buzzer*
1	2	3

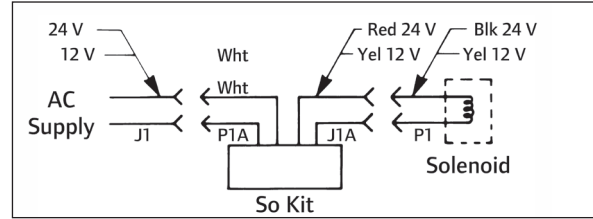
* Optional

1	Model
6300	Surface mounted strike for rim exit devices
2	Rectifier kit (optional)
S012	Converts 12 VAC voltage to 12 VDC to operate the solenoid
S024	Converts 24 VAC voltage to 24 VDC to operate the solenoid
3	Buzzer (optional)
EB	Entry buzzer

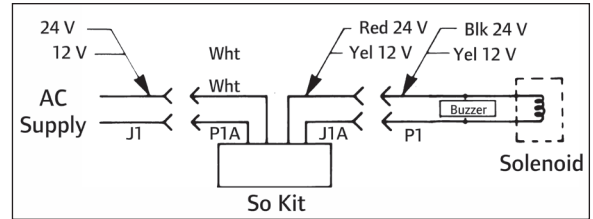
Standard features

- Power failure mode: Fail-Secure (FSE)
- Voltage: field selectable 24 VDC or 12 VDC
- Finish: stainless steel, satin (US32D/32)

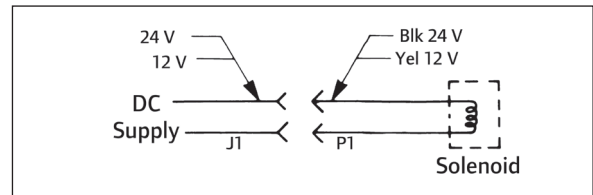
AC



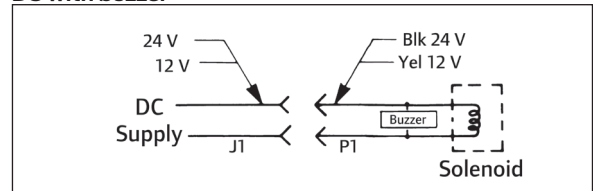
AC with buzzer



DC



DC with buzzer



Electric Strike/Lock information

Finishes

US number	BHMA number	Description	Von Duprin number
US3	—	Plated polished brass on stainless steel	85
US4	—	Plated dull brass on stainless steel	84
US10	639	Plated dull bronze on stainless steel	06
US10B	640	Plated dark bronze on stainless steel	86
US32	629	Stainless steel, polished	31
US32D	630	Stainless steel, satin	32

Wire size selection

Current requirement at 24VDC				
Length of wire run (in feet)	0-.5 Amp	.5-1 Amp	1-2 Amp	2-3 Amp
0-100	18	18	18	18
100-200	18	18	18	16
200-300	18	18	16	14
300-450	18	16	14	12
450-600	18	16	12	NR
600-900	16	14	NR	NR
900-1200	14	12	NR	NR

NR — Not recommended

Cross reference

Name	Strike/Lock mounting	# Doors	Frame material (SGL DR) Door material (BL DR)	Faceplate length	Drop in replaces Von Duprin:	Drop in replaces Folger Adam:
6111	Rim device	Single ¹	All	6"	3031	
6112	Rim device	Single	All	9"		310-44
6113	Rim device	Single	All	6"	3011, 3021	
6114	Rim nightlatch	Single	All	7"		310-55
6121	Rim device	Double-closed back	All	9"		310-4-1005
6210	Mortise	Single	HM/Alu	4 ⁷ / ₈ "		
6211	Mortise or cylindrical	Single	HM/Alu	4 ⁷ / ₈ "	3140	712
6211AL	Mortise or cylindrical	Single	Aluminum	4 ⁷ / ₈ "		722
6211WF	Mortise or cylindrical	Single	Wood	4 ⁷ / ₈ "		7326
6212	Mortise or cylindrical	Single	HM/Alu	6 ³ / ₈ "	3146	
6212WF	Mortise or cylindrical	Single	Wood	6 ³ / ₈ "		
6213	Mortise or cylindrical	Single	All2	6"	3041, 42, 61, 62	
6214	Mortise or cylindrical	Single	All3	9"		310-2 3/4
6215	Mortise or cylindrical	Single	All3	9"		310-2
6216	Mortise and deadbolt	Single	HM/Alu	9"		310-3-1
6221	Mortise or cylindrical	Double-open back	All	6"	3071, 72	
6222	Mortise or cylindrical	Double-open back	HM/Alu	9"		310-2 3/4 OB
6223	Mortise or cylindrical	Double-closed back	All	6"	3091, 3092	
6224	Mortise or cylindrical	Double-closed back	HM/Alu	9"		310-2 3/4
6224AL	Mortise or cylindrical	Double-closed back	Aluminum	9"		310-2 RF
6225	Mortise or cylindrical	Double-open back	HM/Alu	9"		310-2 OB
6226	Mortise or cylindrical	Double-closed back	HM/Alu	9"		310-2

¹Includes double door with mullion.

²Recommended on wood frames only if drop in replacement is needed for 3041, 42, 61, 62 on wood frames. Otherwise use 6211WF.

³Recommended on wood frames only if drop in replacement is needed for 310-2 3/4, 310-2 on wood frames. Otherwise use 6211WF.

⁴Strike lip area cutout is slightly larger than Folger Adam.

⁵Surface applied strike. Mounting hole locations different from Folger Adam.

⁶Wood frame horizontal solenoid location differs from Folger Adam. May require frame prep modification when retrofitting.

E996L Electrified Breakaway™ lever trim

E996L Electrified Breakaway lever trim provides remote locking and unlocking capabilities while incorporating the patented Breakaway trim design.

The 24VDC solenoid can be energized from a distant controller, thus allowing access control of the opening. The control of stairwells in high-rise buildings is a common application for this trim.

When electrically unlocked the unit operates as a normal lever trim. When electrically locked, the lever feels locked, but when more than 35 pounds of torque pressure is applied, the Breakaway lever feature engages.

The E996L is provided standard in a fail safe (FS) condition, but can be field converted to a fail secure (FSE) where allowed. The trim can be ordered with a device, added to an existing 98/99 series device application, or a conversion kit can be added to an existing 996L Breakaway lever trim. On new construction applications, the E996L trim will require less door prep.

The E996L is available with a blank escutcheon (BE) function, or with cylinder operation for night latch (NL) function.

The E996L electrified trim replaces the current "E" electric feature on 98/99 series rim devices. Consult factory for requirements.

To order, specify:

1. Use "E" prefix, example E996L.
When ordering with device specify trim series with "E" prefix, example 9927L-BE 3' US26D E996.
2. Device type, R/V (rim/surface or concealed vertical rod) or M (mortise).
3. RHR is furnished standard if not specified. Field reversible.
4. Lever style (O6 lever is furnished standard).
5. Finish: US3, US4, US10, US10B, SP313, US26, US26D, SPBLK, US15

Specifications

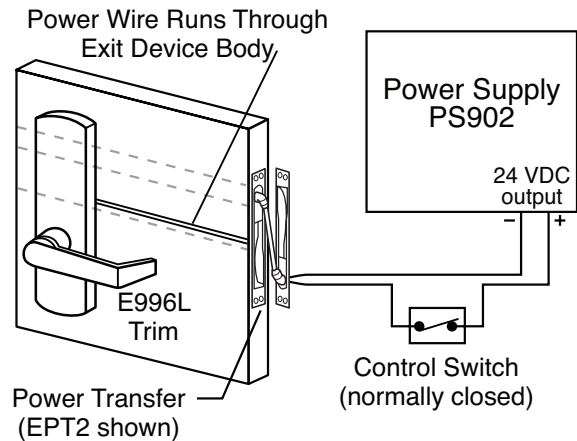
Solenoid – continuous duty 24VDC

Solenoid draw – 0.22 amp



E996L Electrical wiring

- Power input for E996L is 24VDC
- Two wires on trim are non-polarized (18 AWG minimum)



Lever styles

Decorative Levers



M51
Knurling available



M52
Knurling available



M53



M54



M55



M56



M57 **



M61
(Handed)



M62 **
(Handed)



M63
(Handed)



M81
Knurling available



M82



M83



M84



M85
(Handed)

** Available in Stainless Steel substrate ONLY.

Standard Levers



01



02
Knurling available



03*
Knurling available



05



06*
Default lever
Knurling available



07



12
(Handed)



16
(Omega)



17*
Knurling available



18



ACC
(Accent)
(Handed)



AST
(Asti)
(Handed)



MER
(Merano)
(Handed)



STA
(St. Annes)
(Handed)



LAT*
Latitude



LON*
Longitude

*Available in Stainless Steel - specify SS when ordering

EL/QEL Electric latch retraction



EL Electric latch retraction

The EL feature allows for the remote unlatching of exit devices. A control station operator can flip a switch to retract the latch bolt and immediately change an exit door to push-pull operation. A powerful, continuous duty solenoid retracts the latch bolt, either for momentary unlatching, or for extended periods of time. The EL feature is an alternative to manual dogging.

If manual hex-key dogging is required, specify HD-EL. If cylinder dogging is required, the standard cylinder dogging is not available, but special center case dogging is available, specify SD-EL. SD-EL is not available on the 9875 or 9975 devices.

EL devices are also useful with automatic door operators, and may be applied to fire-rated applications when under the control of an **automatic fire alarm system**.

UL approved for Class II circuit applications.

The EL option does not include the power transfer from door to frame, the power supply, or the control operator. Refer to EPT-2 power transfer and the PS914 power supply.

The PS914 with the 9002RS option card is the minimum option card required. Other option cards available for other functions, see PS914 power supply for additional information.

Solenoid specifications:

Continuous duty – 24 VDC
Current inrush – 16 Amps
Current holding – 0.3 Amps

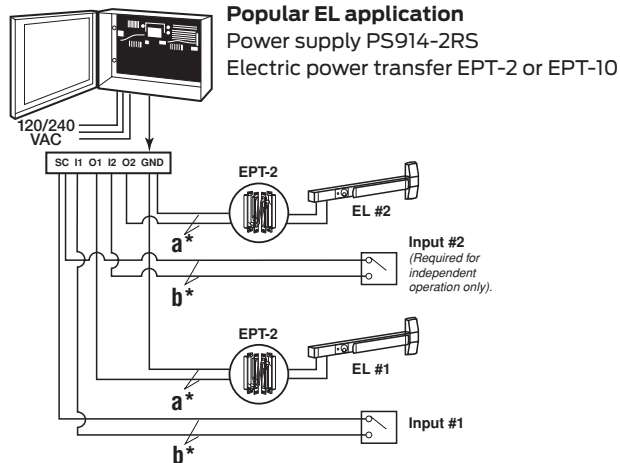
Solenoid resistance:

-grn-yel 1.2 – 2.2 OHMS
-grn-org 100 – 150 OHMS

To order, specify:

Standard – use prefix EL, example EL99L.

Hex Key dogging – Use prefix HD-EL, example HD-EL99L
special center case dogging – Use prefix SD-EL, example SD-EL99L



Popular EL application

Power supply PS914-2RS
Electric power transfer EPT-2 or EPT-10

Von Duprin exit device	EL Wire length (feet) ¹	Wire gauge (AWG)
EL 98/99 Rim	0-500	12
EL 33A/35A Rim	0-300	14
	0-200	16
a* All other 98/99EL and EL33A/35A device types	0-250	12
	0-150	14
	0-100	16
b* Control Switch	0-1200	18

1. Wire lengths include an EPT, Door loop, electric hinge or pivot and are measured one way between the PS914/option board and the device.
2. Table is applicable to devices that have shipped after August 2012.

QEL Quiet electric latch retraction

The QEL feature allows for the remote unlatching of exit devices. A control station operator can flip a switch to retract the latch bolt and immediately change an exit door to push-pull operation. Different than the popular EL, the QEL quiet operation is achieved using an electric drive motor which retracts the latch bolt either momentary unlatching or for extended periods of time. This feature is an alternative to manual dogging.

If cylinder dogging is required, the standard cylinder dogging is not available, but special center case dogging is available, specify

SD-QEL. SD-QEL is not available on the 9875 or 9975 devices.

QEL devices are also useful with automatic door operators, and may be applied to fire-rated applications when under the control of an automatic fire alarm system.

UL approved for Class II circuit applications.

The QEL option does not include the power transfer from door to frame, the power supply, or the control operator. Refer to EPT-2 power transfer and the PS902 or 914 power supply.

The PS902/914 with the 2RS, 4RL or 4R board is the minimum required. Other option boards available for other functions, see PS902/914 power supply for additional information.

The QEL has a low inrush current, so it can be used with standard Schlage power supplies. Calculate the peak current draw of all devices in the system to determine the required amperage of the supply.

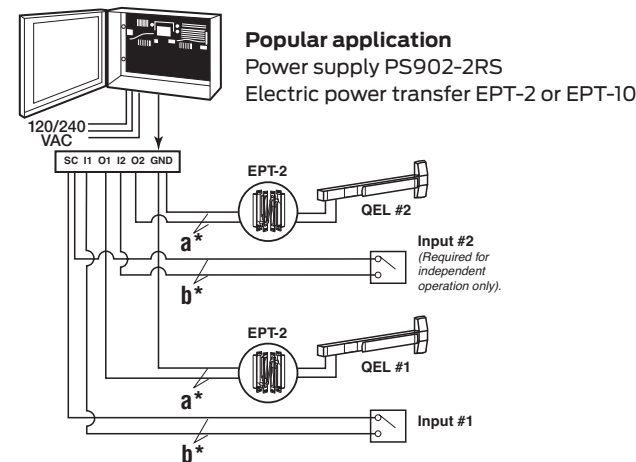
QEL Electrical load	
Voltage	24VDC
Current	1.0 A Inrush (0.5 sec.) / 0.14 A Holding

The 900-2RS option board designed to control two electric latch retraction devices and provide time delay between the firing of outputs is required. The power transfer is also sold separately.

Schlage PS902	Schlage PS904	Schlage PS906
up to 2 amps	up to 4 amps	up to 6 amps

To order, specify:

Standard – use prefix QEL, example QEL99L.
Special center case dogging – use prefix SD-QEL, example SD-QEL99L



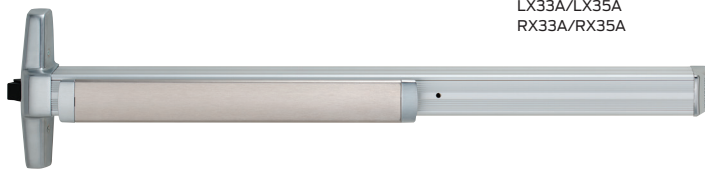
Popular application

Power supply PS902-2RS
Electric power transfer EPT-2 or EPT-10

a*	Distance (one-way)	Wire gauge
	200´	18 AWG
	320´	16 AWG
	500´	14 AWG
	800´	12 AWG

b*	Wire selection	Switch wire size
	1200 ft. Max.	18 gauge standard

RX/LX Switches



LX33A/LX35A
RX33A/RX35A

RX Request to exit

The RX (2xit) feature is used to signal the use of an opening. This device is equipped with one internal SPDT switch which monitors the pushpad.

The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply.

The RX switch option should not be used to control a load, but as a signalling switch (0.5 amps. resistive maximum).

The RX switch is available in a low current (LC) switch. Most commonly used in computer operated monitoring systems.

To order, specify:

- Standard – Use prefix RX, example RX99EO
- Low Current – Use prefix RX-LC, example RX-LC98EO

RX2 Double request to exit

The RX2 feature uses two RX switches.

To order, specify:

- Standard – Use prefix RX2, example RX299EO

WP-RX Waterproof request to exit



LX98/LX99
RX98/RX99

Rim device shown — Refer to 33A/35A or 98/99 series catalog for complete product information, mounting styles, outside trim, finishes, etc.

LX Latchbolt monitoring



The LX feature is used to signal the use of an opening. This device is equipped with one internal SPDT switch which monitors the latch bolt.

The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply.

The LX switch option should not be used to control a load, but as a signalling switch (0.5 amps. resistive maximum).

The LX switch is available in a low current (LC) switch. Most commonly used in computer operated monitoring systems.

To order, specify:

- Standard – Use prefix LX, example LX99EO
- Low Current – Use prefix LX-LC, example LX-LC98EO

Electrical rating for all switches:

- Standard – 2 Amp maximum @ 24VDC
- Low Current (LC) - below 50 Milliamps @ 24VDC

Note: All switches can be either factory or field installed

SS Signal switch



Monitors pushpad and latch bolt

The SS feature is used to signal the unauthorized use of an opening. This device is equipped with two internal SPDT switches. One switch monitors both the pushpad and the latch bolt assembly, making the latch bolt tamper resistant, for positive security. An additional SPDT switch is connected to the 1 1/4" (32mm) mortise cylinder with straight cam for alarm "bypass." (Schlage cam reference B502-191). The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply.

Pushpad reads: "Emergency Exit ONLY – Push To Open And Sound Alarm." Pushpad is only available in US32D finish with red silk-screened lettering.

The SS mortise lock device is furnished with both the signal switch device and the SS7500 mortise lock. The SS7500 mortise lock has the versatility and advantages of the 7500 lock with the addition of signalling functions to monitor latch bolt operation and the trim locking function. The SS7500 mortise lock is supplied standard with the SS mortise lock device.

To order, specify:

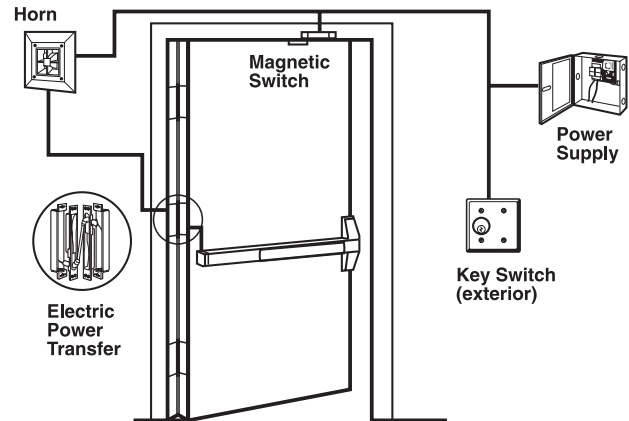
1. Prefix SS, example SS99L.
2. Handing required, LHR or RHR.

Electrical ratings:

Up to 2.0 AMPS @ 24VDC

Popular SS Application

Unauthorized use of this opening will activate the local horn. The key switch permits inhibiting this system for authorized entry.



RX330/RX350 Push pad



RX330

RX330 and RX350 bar features an active push pad with monitoring switch or "request to exit" switch, used to inhibit alarms for authorized exiting. The 330 grooved outer case and the 350 smooth outer case are designed as companion units for series 33A, 35A, 98 and 99 exit devices.

The RX switch option is also available on 55DU and 88DU crossbars, and are designed as companion units for series 55 and 88 exit devices.

The internal SPDT switch should not be used to control a load, but as a signaling switch.

Minimum door openings:

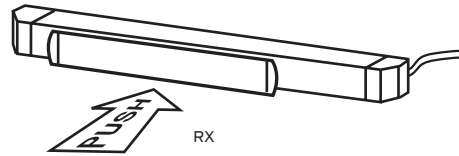
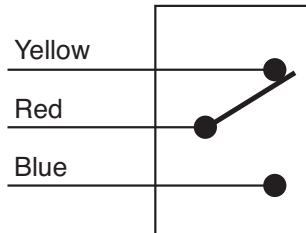
- | | |
|-------------|-----------------------------|
| 3' (914mm) | 2'6" (762mm) to 3' (914mm) |
| 4' (1219mm) | 3'1" (940mm) to 4' (1219mm) |

To order, specify:

1. Prefix series 330 or 350 with "RX".
Example, RX330
2. Size 3' or 4' (3' supplied standard if size not specified)
3. Finish: US3, US4, US10, US28, US26, US26D, 313AN, 315AN

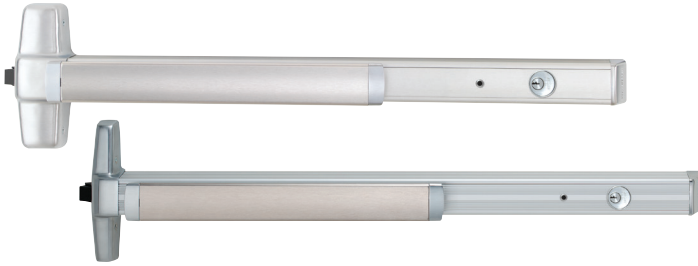
Specifications

SPDT 0.5 ampere @ 24VDC Solenoid draw - 0.22 amp



Chexit device - 33A/35A & 98/99 Series

Chexit® (with motor driven blocking actuator)*



The Von Duprin Chexit device is designed for controlled egress applications. It is UL294 listed and meets 2015 International Building Code (IBC) sections 1010.1.9.7 Delayed Egress and 1010.1.9.6 Controlled Egress and National Fire Protection Associations (NFPA) sections 7.2.1.6 Special Locking Arrangements. All control inputs, auxiliary locking, local alarm and remote signaling outputs are self-contained in the Chexit assembly. Numerous configurable options allow the device to be customized for the specific code or application requirements. The standard Chexit device sounds an alarm and keeps the door secured for 15 seconds following an exit attempt with immediate release upon fire. Included with each device is a 6" x 20" decal for application on the door reading "PUSH UNTIL ALARM SOUNDS. DOOR CAN BE OPENED IN 15 SECONDS".

Minimum door opening sizes for CX devices

Consult factory for other size requirements.

Device	3' (914mm) Length	4' (1219mm) Length
CX33A/35A	2'10 3/4" (883mm)	3'4 3/4" (1035mm)
CX3327A/3327A-F/3527A/3527A-F	2'10 1/4" (870mm)	3'4 1/4" (1022mm)
CX3347A/3347A-F/3547A/3547A-F	2'10 1/4" (870mm)	3'4 1/4" (1022mm)
CX3348A/3348A-F/3548A/3548A-F	2'10 1/4" (870mm)	3'4 1/4" (1022mm)
CX3349A/3349A-F/3549A/3549A-F	2'10 1/4" (870mm)	3'4 1/4" (1022mm)
CX3350/3350WDC-F/3550/3550WDC-F	2'10 1/4" (870mm)	3'4 1/4" (1022mm)
CX98/98-F/99/99-F	2'10 3/4" (883mm)	3'4 3/4" (1035mm)
CX-XP98/XP98-F/XP99/XP99-F	2'10 3/4" (883mm)	3'4 3/4" (1035mm)
CX9827/9827-F/9927/9927-F	2'10 1/4" (870mm)	3'4 1/4" (1022mm)
CX9847/9847-F/9947/9947-F	2'10 1/4" (870mm)	3'4 1/4" (1022mm)
CX9848/9848-F/9948/9948-F	2'10 1/4" (870mm)	3'4 1/4" (1022mm)
CX9849/9849-F/9949/9949-F	2'10 1/4" (870mm)	3'4 1/4" (1022mm)
CX9850/9850WDC-F/9950/9950WDC-F	2'10 1/4" (870mm)	3'4 1/4" (1022mm)
CX9857/9857-F/9957/9957-F	2'10 1/4" (870mm)	3'4 1/4" (1022mm)
CX9875/9875-F/9975/9975-F	2'10 1/4" (870mm)	3'4 1/4" (1022mm)

Electrical specifications

Specifications / Power requirements*
Input voltage – 24VDC
Input current inrush – 1.25A
Input current holding – 390mA
Alarm relay and Secure relay contact ratings – 24VDC, 1A
Fire alarm, Inhibit and Door position switch inputs require normally closed dry contacts.

Chexit riser diagram - Single door

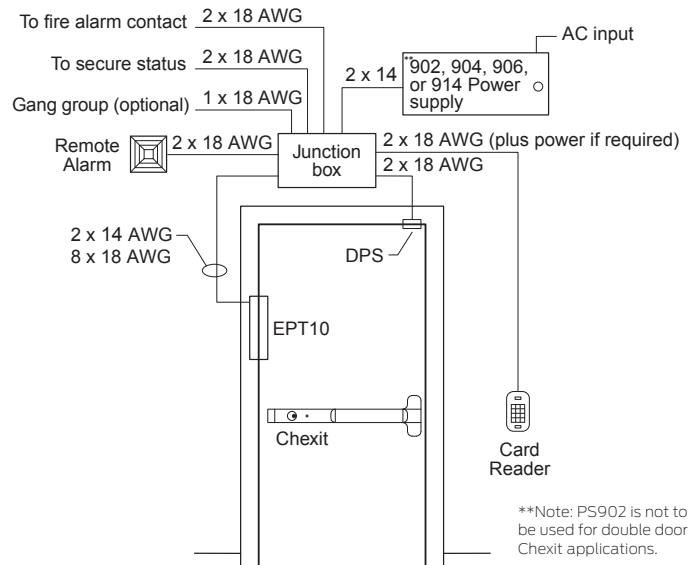


Figure 1. Riser Diagram, Single Door

Power supply information for CX devices with motor driven blocking actuator*

Power supply	Maximum number of devices*
PS902 (up to 2 amps)	1 Chexit device
PS904 (up to 4 amps)	3 Chexit devices
PS906 (up to 6 amps)	4 Chexit devices
PS914 (up to 4 amps)	4 Chexit devices

When powering multiple components, verify that the amperage requirements of all components combined does not exceed the power supply output rating. Consult Installation Instructions for proper wire gauge and wire run requirements. Exceeding the recommended devices and/or not following Installation Instructions may void your warranty. For more information call Customer Care at 877-671-7011.

How to order*

1. Prefix product description number "CX". Ex: CX99L
2. Specify option. Ex: CX-RCM or CD-CX
3. Door size other than 3' (914mm).
4. Door thickness other than 1 3/4" (45mm).
5. Finish.
6. Handing, LHR or RHR. Required with "CD" option.

*Note: The information listed in these pages reference the power supply and operating requirements for the redesigned Chexit with motor driven blocking actuator that launched August 24, 2015. For information on devices built previous to August 24, 2015, please contact Customer Care at 877-671-7011.

RCM Remote Chexit Module

RCM Remote Chexit Module — Designed to provide the concept of the Chexit delayed exit system for door sizes smaller than the standard device can accommodate. The Chexit module is installed in a control box and mounted in a remote location. Features and functions of the standard Chexit exit device are available on the RCM.



RCM Module

Minimum door opening sizes for RCM devices

Consult factory for other size requirements.

Device	3' (914mm) Length	4' (1219mm) Length
CX-RCM33A/35A	2'5" (737mm)	2'11" (889mm)
CX-RCM3327A/3327A-F /3527A/3527A-F	2'4½" (724mm)	2'10½" (876mm)
CX-RCM3347A/3347A-F /3547A/3547A-F	2'4½" (724mm)	2'10½" (876mm)
CX-RCM3348A/3348A-F /3548A/3548A-F	2'4½" (724mm)	2'10½" (876mm)
CX-RCM3349A/3349A-F /3549A/3549A-F	2'4½" (724mm)	2'10½" (876mm)
CX3350/3350WDC-F/ 3550/3550WDC-F	2'4½" (724mm)	2'10½" (876mm)
CX-RCM 98/98-F/99/99-F	2'5" (737mm)	2'11" (889mm)
CX-RCM XP98/XP98-F/XP99/XP99-F	2'5" (737mm)	2'11" (889mm)
CX-RCM 9827/9827-F/9927/9927-F	2'4½" (724mm)	2'10½" (876mm)
CX-RCM 9847/9847-F/9947/9947-F	2'4½" (724mm)	2'10½" (876mm)
CX-RCM 9848/9848-F/9948/9948-F	2'4½" (724mm)	2'10½" (876mm)
CX-RCM 9849/9849-F/9949/9949-F	2'4½" (724mm)	2'10½" (876mm)
CX-RCM 9850/9850WDC-F/ 9950/9950WDC-F	2'4½" (724mm)	2'10½" (876mm)
CX-RCM 9857/9857-F/9957/9957-F	2'4½" (724mm)	2'10½" (876mm)
CX-RCM 9875/9875-F/9975/9975-F	2'5½" (743mm)	2'11½" (902mm)

Specifications / Power requirements*

Size – 3.75" x 5.57" x 2.50"

Input voltage – 24VDC

Input current inrush – 1.25A

Input current holding – 390mA

Alarm relay and Secure relay contact ratings – 24VDC, 1A

Fire alarm, Inhibit and Door position switch inputs require normally closed dry contacts.

How to order*

See Chexit "How to order" on previous page.

*Note: The information listed in these pages reference the power supply and operating requirements for the redesigned RCM modules with motor driven blocking actuator that launched August 24, 2015. For information on devices built previous to August 24, 2015, please contact Customer Care at 877-671-7011.

DE5300 Delayed Egress System

DE5300 Delayed Egress System — Designed for controlled egress applications when used in conjunction with a magnetic lock. It meets both life safety and security needs, as well as the requirements of NFPA for "Special Locking Arrangement" and IBC "Special Egress-Control Devices". All control units, auxiliary locking, local alarm and remote signaling outputs are self-contained in the DE5300 assembly.



DE5300 Module

The DE5300 is commonly used on narrow stile doors where a standard or narrow stile Chexit is not practical. DE5300 Delayed Exit System uses a Chexit logic board and a Von Duprin RX-LC (low current request to exit) panic device to control a Schlage Electronics Direct Hold Magnetic Lock.

The Chexit module for the DE5300 is installed in a control box and mounted in the wall adjacent to the door. Features and functions of the standard Chexit exit device are available on the DE5300.

Specifications / Power supply requirements

Size – 3.75" x 5.57" x 2.50"

Input voltage – 24VDC

Input current – 1A

Alarm relay and Secure relay contact ratings – 24VDC, 1A

Fire alarm, Inhibit and Door position switch inputs require normally closed dry contacts.

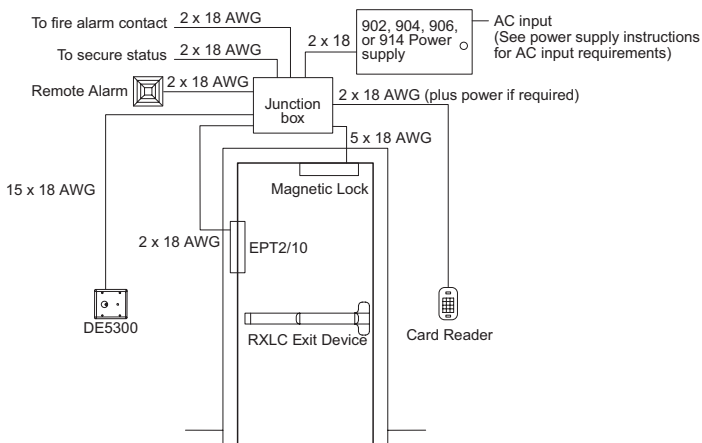


Figure 1. Riser Diagram, Single Door

How to order

1. DE5300
2. M420/P, M450/P, or M490/P magnetic lock (order direct from Schlage Electronics).
3. RX-LC 22/33A/35A/98/99 device.
4. PS900 Series
5. EPT-2/10

Chexit, RCM and DE5300 features

The Chexit, Remote Chexit Module (RCM) or DE5300 devices have several features and options available to fit your applications. See below for more information.

Inputs & Outputs

Fire Alarm Input

This input releases the door immediately upon a fire alarm allowing immediate egress. The Internal Alarm can be silenced during a fire input via an onboard switch setting.

Inhibit Input (Access Control)

This optional input is provided to allow authorized egress or entry when the device is Armed using an external card reader, Key Switch, etc. It also allows remote reset of the Chexit, RCM or DE5300 in an armed condition. The ability to reset alarms with the inhibit input can be disabled via an onboard switch setting.

Door Position Switch Input

An optional Door Position Switch (DPS) can provide door position status to Chexit, RCM or DE5300 for additional security, ensuring that the door is closed, and can cause alarm when the door is left or forced open.

Gang Bus

The Gang bus allows a Chexit, RCM or DE5300 device to signal other Chexit, RCM or DE5300 devices when it enters the Release Delay, allowing multiple doors to release at the same time in an emergency. Up to 8 devices may be connected to the Gang Bus.

Alarm Relay Contacts

The Alarm Relay contacts are provided as a means to control a Remote Alarm, such as a horn or lamp, or signal an external monitor. The contacts can be configured with a jumper as Normally Open or Normally Closed, and become active upon entering an alarmed condition.

Secure Relay Contacts

The Secure Relay contacts are provided as a means to signal an external monitor. The contacts can be configured as Normally Open or Normally Closed with a jumper, and become active when the DPS indicates the door is closed and the Push Pad is locked.

Delays

Release Delay

When the Push Pad is pushed and the Nuisance Delay expires, the Chexit, RCM or DE5300 enters the Release Delay with alarm. During the Release Delay, the Internal Alarm sounds, the Alarm Relay activates, and the Chexit/RCM keeps the Push Pad or DE5300 magnetic lock, locked for 15 seconds (less any time already elapsed during the Nuisance Delay). Once started, the Release Delay sequence will not stop and the devices will unlock.

Nuisance Delay

When a Chexit, RCM or DE5300 is located in a public area, it can be desirable to limit false releases when the Push Pad is accidentally pushed. The Nuisance Delay is the brief time a Push Pad can be accidentally pushed before the Release Delay sequence starts. If the Nuisance Time is set to 0 seconds the Chexit, RCM or DE5300 will enter Release Delay as soon as the Push Pad is pushed (when armed). Setting the Nuisance Time to 1, 2, or 3 seconds allows the Push Pad to be pressed for 1 to 3 seconds before the Chexit, RCM or DE5300 goes into Release Delay. If the Nuisance Audio and Nuisance Delay are both on, the Internal Alarm will pulse during the Nuisance Delay. The Alarm Relay does not activate during the Nuisance Delay. If the Push Pad is released before the Nuisance Delay expires, the Chexit, RCM or DE5300 will remain armed.

Rearm Delay

The Rearm Delay is the amount of time after the Key Switch or Inhibit Input is deactivated to when the device rearms. It is designed to give someone time to pass through the door before rearming occurs. The Rearm Time can be changed via the onboard switch settings from 0 and 28 seconds in 2 second increments. If the Rearm Time is set to 30 seconds and a DPS is used, if the door is opened and the Rearm Time expires, there will be no alarm. The Chexit, RCM or DE5300 will rearm after the door is closed. If the door never opens, the Chexit, RCM or DE5300 will rearm after 30 seconds. If not using a DPS, the Chexit, RCM or DE5300 will always rearm in 30 seconds.

DPS Delay

If the DPS detects that the door closed during the Rearm Delay, the Chexit, RCM or DE5300 ends the Rearm Delay and allows 2 seconds for the latch to clear the strike before rearming.

Interface

Key Switch

The Key Switch provides the means to Arm or Disarm/Reset the Chexit, RCM or DE5300. Turning the Key Switch clockwise initiates the Rearm Delay, and turning the Key Switch counter-clockwise Disarms/Resets the Chexit, RCM or DE5300. The Key Switch allows the key to be removed in either the Arm or the Disarm/Reset position.

Status Indicator

The red Status Indicator displays the status of the Chexit, RCM or DE5300. The Status Indicator flashes slow if the Chexit, RCM or DE5300 is armed, flashes fast in an alarmed mode, is off when inhibited and on solid during Rearm Delay.

Internal Alarm

The Internal Alarm sounds the status of the Chexit, RCM or DE5300. The Internal Alarm sounds continuously during and after a fire alarm or a Release Delay, pulses fast during the Nuisance Delay or a tamper and pulses slow during Disarmed Powerup mode.

Settings

Armed Powerup

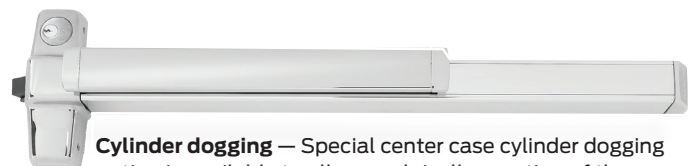
When set to OFF, a power disruption and power return will put the Chexit, RCM or DE5300 in a disarmed, unlocked alarm mode.

Trim Fail Safe / Fail Secure (FS/FSE)

The trim input power can be set to FS (Fail Safe; locked when energized, unlocked when deenergized or during power failure) or FSE (Fail Secure; unlocked when energized, locked when deenergized or during power failure).

The trim must be bought or modified to physically function as FS or FSE. This on board setting only selects the trim input power.

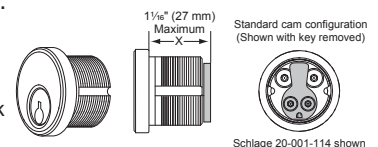
Options



Cylinder dogging — Special center case cylinder dogging option is available to allow push/pull operation of the Chexit, when disarmed and used in a heavy traffic area. Prefix device with "CD" and specify handing.

Cylinders — Cylinders are not furnished with the Chexit, RCM or DE5300 devices and must be specified when ordering. Use 1 1/4" mortise cylinder with compression ring K510-406 with straight cam and orient cam as shown.

Schlage cylinder 20-001-114 recommended for the device and the CD cylinder dogging option. See Schlage Pricebook for additional information.



Schlage 20-001-114 shown

ALK Alarm kit



ALK Alarm kit is a simple yet effective way to deter unauthorized use of an opening. While the exit device is still a means of egress, the ALK kit contains an internal horn. When the touch bar is depressed, the horn sounds to provide an audible means of signaling that the opening has been violated. The alarm kit can be armed or disarmed by key thus allowing the exit device to be set in an armed or disarmed mode. The horn is rated at 85 decibels.

For Hardware Applications

The assembly includes both a 24VDC Input and External Inhibit standard. The External Inhibit provides remote arming and dis-arming.

The key switch uses a standard 1 1/4" (32mm) mortise cylinder with a straight cam (Schlage 20-001, B502-191 cam). The unit operates on one standard 9-volt alkaline battery. When the battery is weak, the horn will emit an intermittent low battery alert signal.

The alarm can automatically re-arm with a 1 1/2, 3 or 4 1/2 minute time delay upon request.

Alarm kits are available with a choice of two switch kits, RX or LX. RX monitors the touchpad and is furnished standard. LX optional latch bolt monitoring is recommended for use with surface vertical rod exit devices or when alarm needs to sound from both the exit device and trim side of the door. Specify ALK-LX.

Note: For latch bolt monitoring on a 98/9975 with ALK, specify a SS7500 lock. LX switch not available for 98/9975 devices.

ALK Alarm kit is a simple yet effective way to deter unauthorized use of an opening. While the exit device is still a means of egress, the ALK kit contains an internal horn. When the touch bar is depressed, the horn sounds to provide an audible means of signaling that the opening has been violated. The alarm kit can be armed or disarmed by key thus allowing the exit device to be

The ALK is available in two styles, 33A/99ALK, grooved cover and 35A/98ALK, smooth cover.

The ALK includes a 6" x 20" decal for application on door "EMERGENCY EXIT ONLY. ALARM WILL SOUND." RSS push bar trim can be used instead of the door decal, specify RSS push bar trim when ordering the device.

When the ALK is used, standard dogging is removed. If cylinder dogging is required there are two choices. Special center case dogging is available or for 3' or 4' doors. The ALK can be moved to the hinge side of the device and standard cylinder dogging can be added.

To Order, Specify:

1. Standard, 98 ALK
2. Cylinder Dogging, CD98 ALK
3. Special center case dogging, SD98 ALK (98/99 Series only)
4. If AR desired, specify AR 1.5, 3 or 4.5

Minimum door opening sizes on ALK applications

Device	3' (914mm) Length	4' (1219mm) Length
98/98-F/99/99-F	2'10" (864mm)	3'4" (1016mm)
9875/9875-F/9975/9975-F	2'10" (864mm)	3'4" (1016mm)
9827/9827-F/9927/9927-F	2'10" (864mm)	3'4" (1016mm)
9857/9857-F/9957/9957-F	2'10" (864mm)	3'4" (1016mm)
9847/9847-F/9947/9947-F	2'9" (838mm)	3'3" (991mm)
9848/9848-F/9948/9948-F	2'9" (838mm)	3'3" (991mm)

Minimum door sizes

Device	3' (914mm) Length	4' (1219mm) Length
33A/35A	2'9" (838mm)	3'3" (991mm)
3327A/3527A	2'8" (813mm)	3'2" (966mm)
3347A/3347A-F 3547A/3547A-F	2'8" (813mm)	3'2" (966mm)
3348A/3348A-F 3548A/3548A-F	2'8" (813mm)	3'2" (966mm)

GUARD-X Exit alarm lock



2670 GUARD-X provides secure, alarmed code-compliant protection for secondary emergency exits. The GUARD-X exit alarm lock readily identifies the door on which it is mounted as an emergency exit and secures the opening against unauthorized use. It is ideal for deterring theft in restaurants and retail establishments such as: discount stores, grocery stores, drug stores, clothing stores and sporting goods stores.

The GUARD-X lock provides secure protection through a large stainless steel deadbolt, which is 2" x 1/2" (51mm x 13mm) and has over 3/4" (19mm) throw. The engagement area into the strike is over 1 1/4" (32mm) square inches. The cast aluminum latch case protects the internal mechanism and resists tampering or vandalism from inside the door. This unit has been tested to withstand up to 1600 pounds of static load force against the door.

GUARD-X does not allow re-latching or resetting the alarm after an unauthorized exit, other than by an authorized person with a key. A 100-decibel alarm provides clear, attention getting warning for an unauthorized exit or attempted exit. The armed indicator light informs the owner that the alarm is armed, and an audible low-battery alert signals the owner to replace the battery when necessary.

A standard 9-volt battery powers the alarm. An exterior 9-volt power supply is available, Model PT-790, a 120VAC plug-in. When using the external power supply, the 9-volt battery functions as a battery backup during a power failure.

GUARD-X is armed and disarmed by key using a standard rim cylinder. It can be operated from the building exterior by a standard rim cylinder, so an authorized user can easily arm and disarm it to enter or exit the building when required. When using exterior operation a pull trim is recommended, use 210DT or 230DT. Rim cylinders are not furnished and must be ordered separately.

The 267 strike is furnished standard for single door applications. The optional 2609 strike is available for double door applications.

Touchbar height to finished floor	40" (1016mm) at center
Door width range	36" (914mm) to 48" (1219mm)
Touchbar projection —	
neutral	4 1/8" (103mm)
depressed	2 3/4" (70mm)
Latch case housing	7" (179mm) x 4 1/16" (103mm) x 4 1/8" (105mm)
Device length	32 1/2" (826mm)
Minimum stile requirement	Single door - 5 7/8", Double door - 6 1/4"

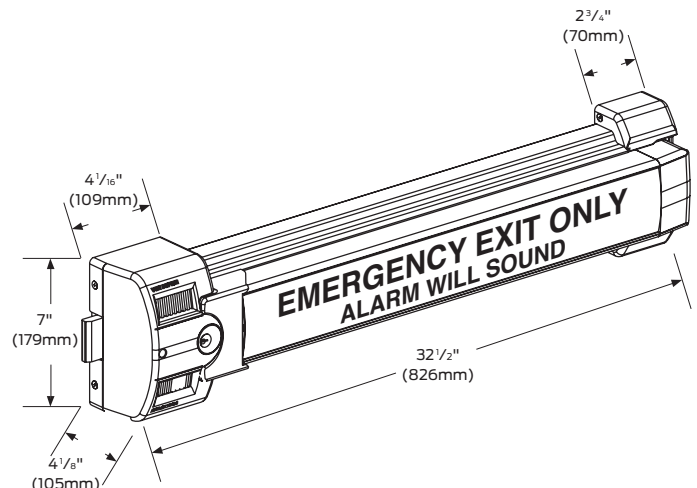
Note: Von Duprin trim does not thru-bolt to the Guard-X. Ives door pulls 8102-6 and 8105-6 offer dimensions that align and thru-bolt to the Guard-X Exit Lock - Order separately from Ives.

The GUARD-X non-handed design means the installer can mount it for either hand by just removing and reversing the "EMERGENCY EXIT – ALARM WILL SOUND" sign built into the device. The standard warning sign is in English with Braille; French and Spanish are available.

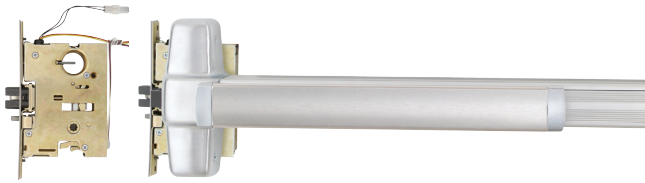
GUARD-X is UL/cUL listed for Panic Exit Hardware, complies with NFPA 101 Life Safety Code, meets UL305 requirements and is tested in accordance to ANSI A156.3 Grade 1 Panic Hardware. It is compliant with NFPA 101 Life Safety Code by providing a push pad that extends at least one-half the width of any door up to 48" wide. The impact-resistant end caps meet UL305 requirements by providing a design that will not catch on clothing during egress.

To order, specify:

1. Model 2670
2. Finish: US28, 313, 315.
3. Strike if other than standard 267.
4. Language if other than English.
5. Specify Rim Cylinder or Sex Bolts if required.
6. Outside trim if needed.



E7500 Electric mortise lock



The electric mortise lock device has all the versatility and advantages of the standard mortise lock device, plus the advantage of being electrically controlled by a remote switching device, an access control system or an automatic fire alarm system. The device features the E7500 mortise lock. The E7500 controls the locking of the outside trim. When unlocked, the door remains latched, preserving the fire rating of the door and making it particularly useful where codes permit locking but require unlocking during a fire emergency. The outside trim cylinder retracts the latch bolt for mechanical override, night latch function. Only available with TP, K or L functions.

The E7500 lock contains a SPDT signal to monitor the outside trim condition (locked or unlocked) and a second SPDT signal switch to monitor the latch bolt.

Standard features:

- Field reversible handing
- 24 VDC continuous duty solenoid

Optional features:

- Fail safe (locked when energized, unlocked when de-energized or during power failure). Specify with suffix "FS."
- Fail secure (unlocked when energized, locked when de-energized or during power failure). Specify with suffix "FSE"
- 24 VAC (with SO option)
- 12 VDC
- 12 VAC (with SO option)

Note: Some Fire codes will require "Fail Safe" (FS) operation for stairwell doors. Be sure to specify the correct operation for your application.

Electrical specifications:

- Solenoid — .60 AMPS @ 12VDC
.30 AMPS @ 24VDC
- Each switch — Up to 2.0 AMPS @ 24VDC Maximum

The E option does not include the power transfer from door to frame, the power supply or the control operator. (Refer to EPT-10 and PS902 or PS914 power supply)

To order, specify:

1. Use prefix "E," example E9975.
2. FS or FSE
3. Voltage and current.

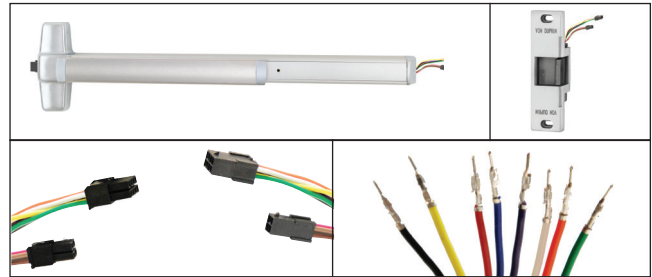
Electric mortise lock device

Adaptable for openings where continuous latching is required while the trim may be electrically locked or unlocked from a remote location—stairwells, exterior doors, etc.

Minimum system requirements:

- PS902
- EPT-10

Allegion Connect



Allegion's cross-category Connect features common interconnect components to our electrified options. Allegion Connect is a quick and easy way to connect power sources; all the way from your power supply to locking device. There is no wire cutting; reducing installation and maintenance time ultimately cutting cost. After installation, Allegion's Connect continues to provide benefits throughout the lifetime of the opening by offering a service kit for repairs or modifications in the future.

Features and benefits

- Quick: common connections reducing installation time
- Perfect Connections: these factory installed connectors ensure the right wires match up every time
- Protective: the connectors protect the connection points throughout the installation process and lifetime of the opening
- Interchangeable: all Allegion Connect products utilize the same connectors
- Maintenance: you no longer need to cut away wire to disconnect Allegion products, also available is a service kit specifically for Connect products.

Harness length	Connectors on both ends	Connectors on one end, crimped pins on the other end
6 Inches	CON-6	CON-6P
12 Inches	CON-12	CON-12P
26 Inches	CON-26	CON-26P
32 Inches	CON-32	CON-32P
38 Inches	CON-38	CON-38P
44 Inches	CON-44	CON-44P
50 Inches	CON-50	CON-50P
192 Inches	CON-192	CON-192P

Power Supply Wire Harness = Connectors on one end, stripped leads on the other end, offering a direct connection to the power supply

6 Inches	CON-6W - wire extension to power supply
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Consult door manufacturer for harness length requirements.

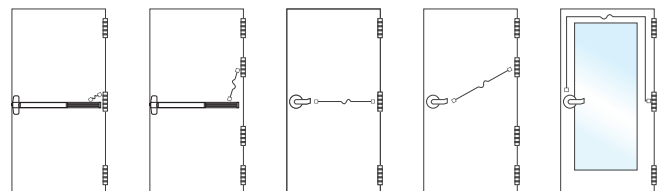
Note: You will need to purchase a separate wiring harness to go from exit device to hinge/EPT and an additional harness to go from hinge/EPT to power supply or access control system. Harness part numbers with ordering information can be located in the Schlage, Von Duprin and Falcon pricebooks. A service kit is available for order in the Schlage, Von Duprin and Falcon pricebooks. Included in this kit are male end plugs, female end plugs and pins to customize harnesses to your application.

Note: Must be ordered with exit devices and locks

How to order

1. Specify CON for Connect electronic options
Example: EL-99-EO-CON (99 Series Electrified Latching exit only with Connect connectors)
2. Specify harness length; Consult door manufacturer for harness length
3. Specify Von Duprin EPT10-CON or Ives 7200 power transfer hinge

Wire run options



Electrical options

Power Supplies

Series PS902/914



Overview:

The PS900 Series is a consolidated line of power supplies and accessories that offer enhanced flexibility and functionality specific to the changing needs of the access control market. The PS900 Series can be used in a variety of applications to convert high voltage AC power into the low voltage DC outputs required by most access control devices. The PS900 Series protects devices downstream by providing Class 2*, filtered and regulated power. The full line is UL294 certified.

Note: PS906 can provide Class 2 rated outputs when used with 900-8P distribution board.

Features:

- Constant output rating at both 12 VDC and 24 VDC provides superior performance ; includes field selectable jumper
- Polarized connectors for option boards eliminate need for racks and side connectors
- Flat mounting of option boards provides easier access to terminal blocks for connection of electrified devices
- High voltage protective cover
- Battery back-up board auto-selects voltage
- Fire alarm relay can be configured to provide either switched or un-switched outputs from a power supply
- PS914 designed with high in rush current for powering electrified panic devices
- Universal 120-240 VAC input
- Low voltage DC, regulated and filtered
- Electronic power limiting foldback circuit for AC current overload protection
- Fused primary input
- AC status monitor- isolated SPDT contacts
- AC input and DC output LED status indicators
- Cover mounted AC input indication
- Hinged cover with lock down screws

Certifications:

- UL 294 certified—the standard for access control
- Class 2 rated*

* Except PS906, output rating exceeds Class 2 power limits

Once power is converted to low voltage DC, the PS900 Series offers a variety of distribution options, including basic fuse protection, simple relay, and advanced logic providing complex sequencing and timing functions.

* PS906 can provide Class 2 rated outputs when used with 900-8P distribution board.

	PS902	PS904	PS906	PS914
Number of connectors on power supply for the following:	2 amps	4 amps	6 amps	4 amps
Distribution boards	1	2	3	2
Battery back-up board	1	1	1	1

Note: One fire alarm board can be connected directly to the PS902. If a fire alarm board is desired for the PS904, PS906 or PS914 it can be connected to a distribution board.

Applications:

The PS900 Series of power supplies works with many electrified devices including Schlage electromagnetic locks, Schlage AD-Series hardwired locks, Schlage electrified mechanical locks, Von Duprin electrified strikes , Von Duprin exit devices, and many other brands.

Accessories:

The Schlage PS900 Series features seven option boards for use in a variety of applications. All Schlage PS900 Series power supplies option boards are UL 294 certified.

Option boards:

900-4R: 4 relay controlled output board to power multiple devices

900-4RL: 4 relay distribution board with logic is field configurable for time delay function, auto operator, security interlock

900-8F: Provides 8 individually fuse-protected outputs, giving the flexibility to power multiple devices and provide another layer of protection

900-FA: Emergency interface relay integrates with fire alarm and is used to cut power in case of emergency

900-BB: Battery backup

900-2RS: 2 relay EL panic device control board (PS914 only)

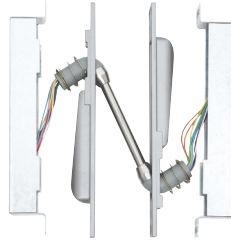
900-BBK: Battery backup kit includes two 7A/hr batteries and provides up to four hours of backup power when cycled every 5 minutes at full load

Electric power transfer accessories

EPT Electrical power transfer

PNT Pneumatic transfer

Electric Power Transfer provides a means of transferring electrical power from a door frame to the edge of a swinging door. The units are completely concealed when the door is in the closed position, and are ideal for installations involving abuse or heavy traffic.



Two models are available; EPT-2, two 18 gauge wires and EPT-10, ten 24 gauge wires. The EPT-2 and EPT-10 are U/L listed as "miscellaneous door accessory".

UL Listed for use on fire doors

Door applications:

up to 5" butt hinges – 180° swing,

5½" butt hinges – 130° swing,

6" butt hinges – 110° swing,

¾" butt offset pivots 180° swing.

Not for use with swing clear hinges or center-hung pivots.

Finishes

SP28 (sprayed aluminum)

SP313 (sprayed duranodic).

Dimensions

Housing	9" x 1¼" x 1⅝" (229mm x 32mm x 38mm)
EPT-2	Two 18 gauge wires, Up to 2 AMPS @ 24VDC, with a 16 AMPS Maximum Surge
EPT-10	Ten 24 gauge wires, Up to 1 AMPS @ 24VDC, with a 16 AMPS Maximum Surge
PNT-1	⅝/₃₂" Tubing

To order, specify:

1. EPT-2, EPT-10 or PNT-1.
2. Finish, SP28 or SP313.

Electromagnetic locks

Schlage has a rich heritage in electronic security. For years we have led the industry by providing a broad portfolio of solutions to meet the diverse needs of the market. Today, our electromagnetic locking portfolio continues to evolve to meet your changing needs.

Schlage electromagnetic locks are used to secure the door in conjunction with push bars, request to- exit devices, or credential readers for fail-safe applications when code compliance permits. You can use them on a single standalone door or as part of an access control system. Electromagnetic locks do not contain moving parts, making them extremely durable and preferred for high security applications.

Electromagnetic locks consist of an armature and a coil assembly, which become magnetized when an electric current passes through them. This magnetic field secures the door. Electromagnetic locks are fail-safe by design. To unlock the door simply remove power.

M400 Series electromagnetic locks

The M400 Series is a robust line of electromagnetic locks with unique new design elements that make them easy to install and secure.

Features:

- Auto voltage selection is standard
- Plus Package (P) adds magnetic bond sensor, relocking time delay, door status monitor
- Optional mounting kits available including: Top Jamb Mount, Double and Glass Door

Certifications:

- UL 1034
- UL 10C 3 hour fire rating
- BHMA Grade 1
 - M420 – 500 lb. hold force for traffic control
 - M450 – 1000 lb. hold force for high security
 - M490 – 1500 lb. hold force for max security

Electromagnetic specialty locks

Schlage's electromagnetic specialty locks provide flexibility for a variety of applications. They offer a depth of features and a proven record of performance.

Features and certifications:

M490DE: Delays egress with 15 second timer: includes integrated alarm

- Designed to meet NFPA 101 & BOCA, UL 10C 3 hr fire rating, UL 294, and BHMA 1500 lb. hold force

M490G: Gate lock is weather resistant for exterior swinging and sliding gates

- BHMA 1500 lb. hold force rated GF3000: Concealed locking mechanism enhances security and appearance
- UL 10C 3 hr fire rating, BHMA 1500 lb. hold force 320M: MiniLine is mortise designed for interior sliding doors
- UL 10C 3 hr fire rating, UL 1034 listed

40/70 Series Electromagnetic Locks

Ease of installation makes the 40/70 Series a perfect choice for retrofit applications. It is also easy to select and stock.

Features and Certifications:

- Magnetic bond sensor and door status monitor standard
- UL 10C 1 hour fire rating and BHMA Grade 1:
 - 40 Series – 500 lb. hold force
 - 70 Series – 1000 lb. hold force

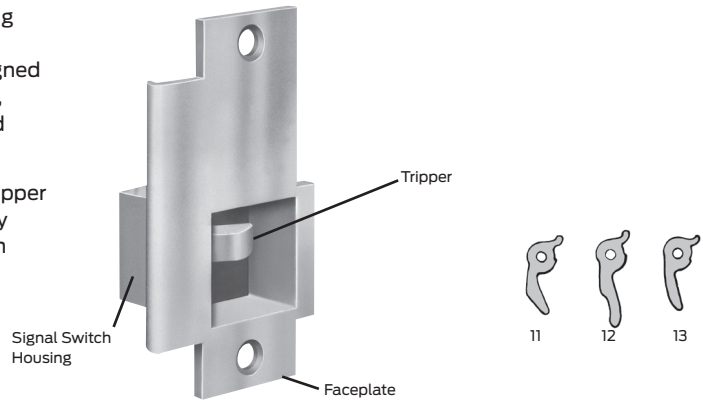
Monitor strikes

Monitor strikes are designed to offer remote door monitoring through the use of a signal switch mounted in the strike to monitor the latch bolt. This series of monitor strikes is designed for use with Von Duprin and most other manufacturers' rim, mortise, surface and concealed vertical rod exit devices and cylindrical, mortise and unit type locks.

The monitor strike replaces the standard door strike. The tripper in the monitor strike is depressed when the latch bolt is fully inserted in the strike. The stainless steel tripper activates an electric switch.

Features and benefits

UL listed as "miscellaneous door accessory"



Monitor strike electrical rating

SPDT Switch (single pole double throw): 24VDC @ 2 Amps (resistive)

Note: Tripper selection is based on the throw and shape of the latch bolt.

Series 4263, 4268-T1, 4582



Model specifications			
Model #	4263	4268-T1	4582
Lockset	Rim or surface vertical rod exit devices	Rim fire exit devices	Mortise or cylindrical locks
# Doors	Single or pair	Single or pair	Single or pair
Compatibility (with tripper type)	Von Duprin 22, T3 2227, T1 33A/35A, T3 3327A/3527A, T3 44, T1 55, T1 88, T1 8827, T1 98/99, T3 9827/9927, T1 Monarch Rim, T3 (³ / ₄₉ " [19mm] throw) Yale® 1500, T1 (⁵ / ₈₉ " [16mm] throw)	Von Duprin 22/22-F 33A/35A 88/88-F 98/99 98-F/99-F	Schlage ³ / ₄ " (19mm) Cyl., T2 L90, T2 Falcon ⁵ / ₈ " (16mm) ML (LR), T2 Arrow™ ⁵ / ₈ " (16mm) ML (LR), T1 Corbin Ruswin® ⁵ / ₈ " (16mm) ML (LR) 5999 ML (LR), T2 Yale® ⁵ / ₈ " (16mm) ML (LR), T2
Certifications		UL list (GXHX R4504) fire exit hardware	UL List (GXHX R4504) fire exit hardware
Application notes	1	2	3

Application notes:

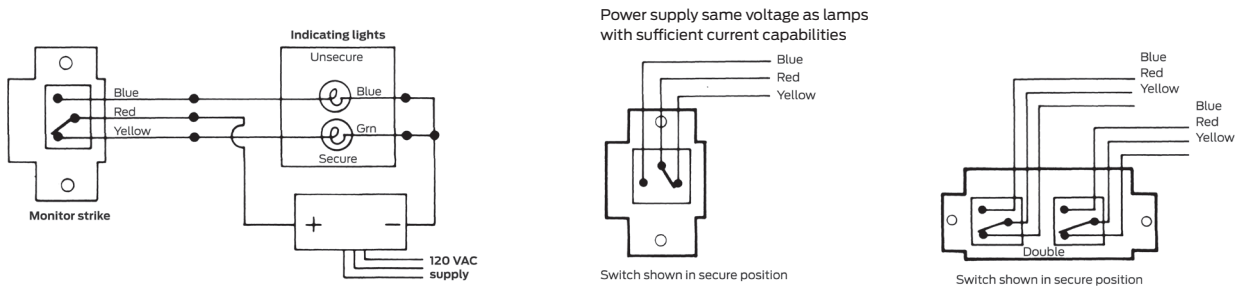
The 4263 is non-handed and features horizontal adjustment to compensate for misalignment of door and frame. 4263 may be used with a mullion. Tripper selection (-T1 or -T3) is based upon the lock to be used with.

The 4268 features horizontal adjustment to compensate for misalignment of door and frame. 4268-T1 is not for use with mullions.

For use on single or pair of doors with ANSI 115.3 frame cutout (frame modification required.) Tripper selection (-T1 or -T2) is based upon the lock to be used.

Monitor strikes

Basic monitor strike circuit



Series 4570T1, 4670-T1, 4690-T2, 4690-1-T2



Model specifications					
Model #	4570-T1		4670-T1	4690-T2	4690-1-T2
Lockset	Cylindrical locks		Cylindrical locks	Concealed vertical rod exit devices	Concealed vertical rod exit devices
# Doors	Single or pair		Single or pair	Wide stile pair of doors	Narrow stile pair of doors
Compatibility (with tripper type)	Schlage	1/29" (13mm) Cyl. 5/89" (14mm) Cyl.	Schlage	1/29" (13mm) Cyl. 5/89" (14mm) Cyl.	Von Duprin 3347A-F 3347A 9947 9947F
	Falcon	1/29" (13mm) Cyl. 9/169" (14mm) Cyl.	Falcon	1/29" (13mm) Cyl. 9/169" (14mm) Cyl.	
	Adams Rite®	4510 8400	Adams Rite®	4510 8400	
	Arrow™	1/29" (13mm) Cyl.	Arrow™	1/29" (13mm) Cyl.	
	Best®	9/169" (14mm) Cyl.	Best®	9/169" (14mm) Cyl.	
	Corbin Russwin®	5/89" (16mm) Cyl.	Corbin Russwin®	5/89" (16mm) Cyl.	
	Dexter®	7/169" (11mm) Cyl.	Dexter®	7/169" (11mm) Cyl.	
	Kwikset®	1/29" (13mm) Cyl.	Kwikset®	1/29" (13mm) Cyl.	
	Precision™	1040 Automatic Flush Bolt¹	Precision™	1040 Automatic Flush Bolt¹	
	Sargent®	1/29" (13mm) Cyl.	Sargent®	1/29" (13mm) Cyl.	
	Yale®	1/29" (13mm) Cyl.	Yale®	1/29" (13mm) Cyl.	
Certifications				UL list (GXHX R4504) fire exit hardware	
Application notes	1		2	3	4

¹Special template required

Application notes:

For use on single or pair of doors with ANSI 115.2 frame cutout (frame modification required.) 4570-T1 is only used with T1.

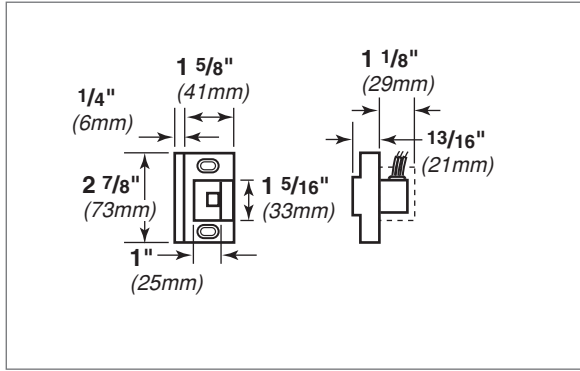
For use on single or double doors with ANSI 115.3 frame cutout (frame modification required.) 4670-T1 is only used with T1.

For use with pair of doors where one leaf has concealed vertical rods. 4690-T2 is only used with T2.

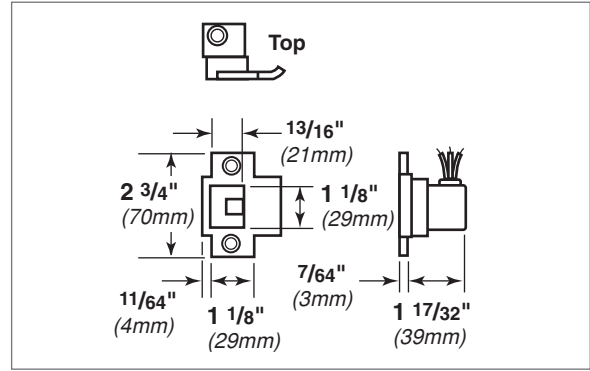
For use with pair of doors where both leaves have concealed vertical rods. 4690-1-T2 is only used with T2.

Monitor strikes dimensions

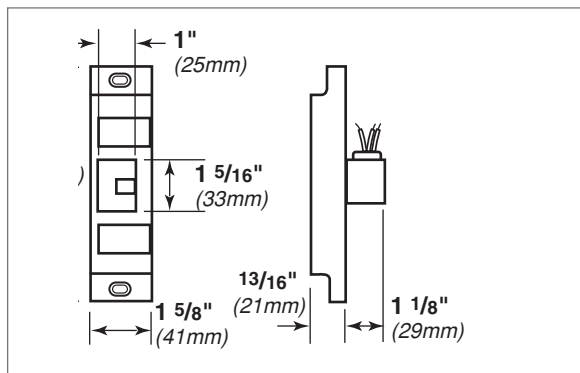
4263



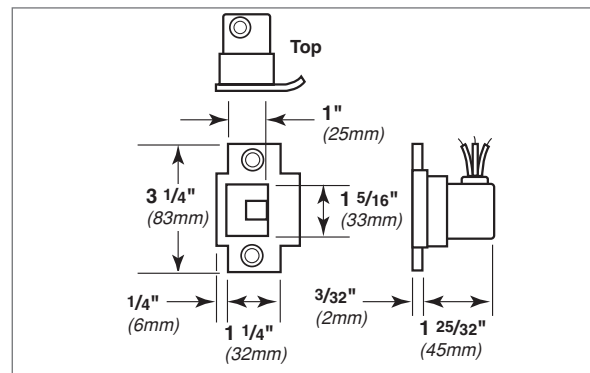
4670-T1



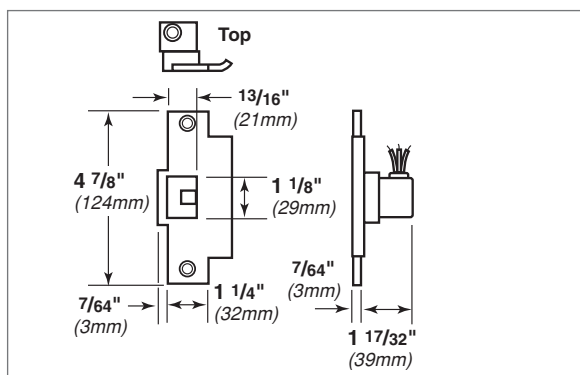
4268-T1



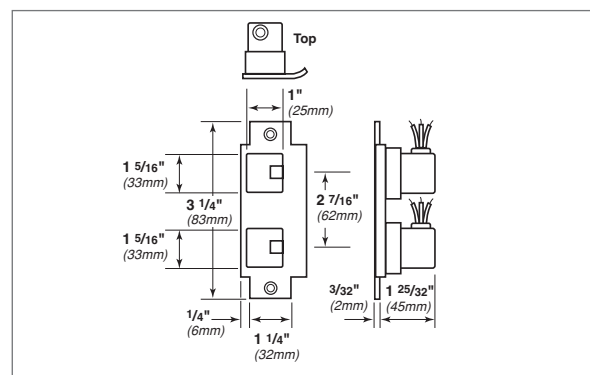
4690-T2



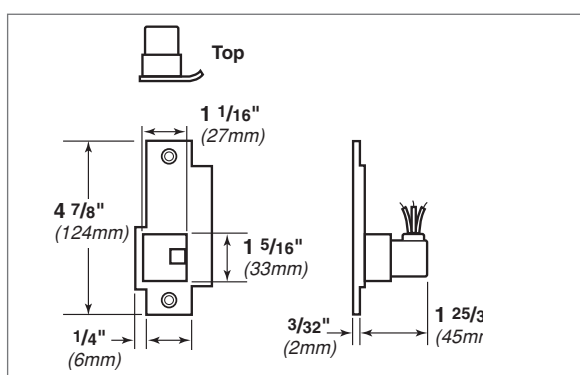
4570-T1



4690-1-T2



4582



To order, specify

1. Model
2. Tripper T1, T2 or T3
3. Handing required on model 4582
4. Specify LHR or RHR
5. Finish: US3, US4, US10, US10B, US26, US26D

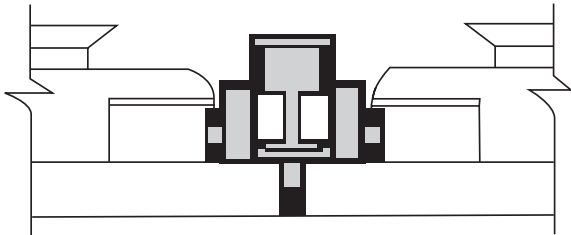
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Mullions

Electrified removable mullions are used with pairs of doors equipped with rim mounted exit devices.

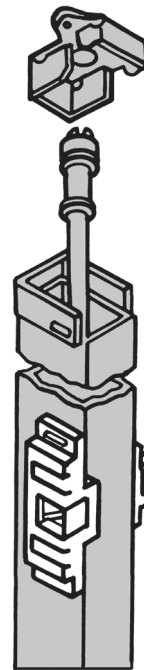
Each includes an electric cable with five conductors wired to a twist-apart plug. The soffit fitting is supplied with a pre-wired mating socket.

4754 — Prepared for two 4263 monitor strikes. Use with all Von Duprin rim panic devices.

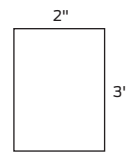


4854 — Prepared for one 6111 electric strike and one 299 strike. Indicate handing for electric strike.

9854 — Prepared for one 6111 electric strike and one 268 or 499F strike. Indicate handing for electric strike. UL Fire labeled for up to 3 hours on up to 8' x 8' (2438mm x 2438mm) openings using Von Duprin fire exit rim devices.



Steel mullion dimensions



Wall Thickness 1/8" (3mm)

Sizes for mullions

4754, 4854, 9854

7' 2" (2184mm)

*8' 2" (2489mm)

*10' 2" (3099mm)

KR4754, KR4854

7' 6" (2286mm)

8' 6" (2591mm)

10' 6" (3200mm)

KR9854**

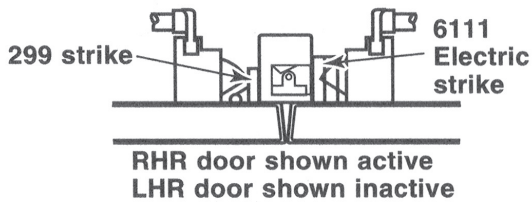
7' 5" (2261mm)

*8' 5" (2565mm)

*10' 5" (3175mm)

* Only qualifying applications will be provided with UL Label.
** Fire rated same as 9854

4854/9854 — Using one electric strike

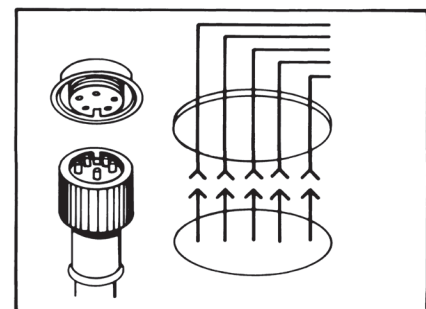


KR - Keyed removable option available on electrified removable mullion. Makes removal faster and easier by a single operation of the mortise cylinder. Once mullion is removed, large equipment or furniture can freely pass through the opening. The unit will self lock when re-installed, without use of the cylinder key. Uses 1 1/4" mortise cylinder with a straight cam (Schlage cam reference B502-191). Cylinders are sold separately. Prefix mullion model with "KR".

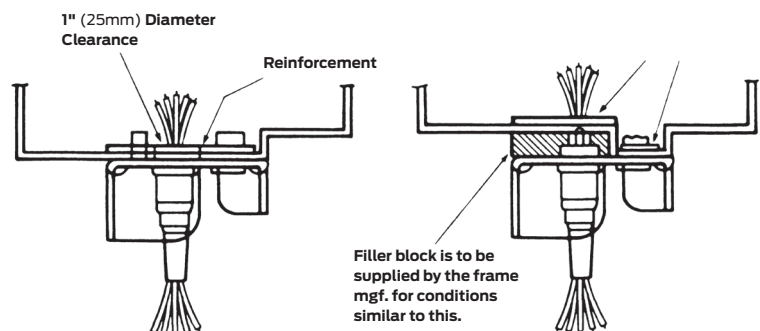
To order, specify

1. Model number.
2. Height of opening
3. Finish: SP28, SP313, SPBLK.
4. Handing if required.
5. Centerline deviation (refer to device template for standard centerline).
6. Strikes, when required, should be ordered with device.
7. For keyed removable option prefix model number with "KR", example KR9854.

Quick disconnect



Soffit details



Notes

Notes

About Allegion

Allegion (NYSE: ALLE) creates peace of mind by pioneering safety and security. As a \$2 billion provider of security solutions for homes and businesses, Allegion employs more than 8,000 people and sells products in more than 120 countries across the world. Allegion comprises more than 25 global brands, including strategic brands CISA®, Interflex®, LCN®, Schlage® and Von Duprin®.

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FAQ

Quiet Electric Latch Retraction-QEL

■ Technology

What is the difference between the new QEL and the current QEL? The updated QEL provides many new benefits and features. A couple of key changes to note: 1) **Modular design** allows you to upgrade your openings without replacing your existing exit device. A variety of kits are available to meet your specific needs - from retrofitting your mechanical devices to upgrading your solenoid driven EL devices. 2) **Auto adjust latch retraction** - this feature allows for the latch throw and pull to be adjusted automatically every time the device is cycled. 3) **Hex dogging option** allows for device to be manually dogged or undogged as needed. 4) **LED lights** indicate voltage drop or surge. 5) **Rear facing wiring** allows for easier installation.

Did the new QEL replace the previous QEL? Yes.

Are there any changes to the exit device? No, this solution can be retrofitted to any existing 98/99, 94/95 or 33A/35A Series exit devices.

Is the product retrofit able? Yes, this solution can be added to any existing 98/99, 94/95 or 33A/35A Series exit device. You can upgrade any of these devices to a new QEL, regardless of their current state - ex: a standard rim device without EL or QEL can be upgraded to the new QEL while keeping existing device.

What are the power supply requirements for this device? The QEL has a low inrush current = 1.0 amps, so it can be used with standard Schlage power supplies. When powering multiple components, verify that the amperage requirements of all components combined does not exceed the power supply output rating, see table below for output ratings.

Schlage PS902	Schlage PS904	Schlage PS906
up to 2 amps	up to 4 amps	up to 6 amps

The QEL device is compatible with the following equipment: PS900 Series power supplies - PS902, 904, 906, 914; 900 Series Option Boards - 900-2RS, 900-4R, 900-4RL, 900-2Q; PS873 Power Supply including 871-2, 871-2Q, 873-4TD/AO Option Boards. The power transfer is also sold separately. Please refer to Von Duprin catalog for more information on EPT-2/EPT-10 power transfers and PS900 series power supplies.

Are there wire run restrictions with the QEL? Yes, see table below for factory recommendations.

QEL wire run lengths			
Distance = Wire gauge (one way)			
200' = 18 AWG	320' = 16 AWG	500' = 14 AWG	800' = 12 AWG

FAQ - continued

What certifications do the QEL device and conversion kits meet? Devices are BHMA Certified to ANSI/BHMA A156.3 (2001) Grade 1 for Exit Devices. Devices are UL and cUL Listed as “Panic Hardware” (UL 305) and as “Fire Exit Hardware” (UL 10C). The QEL Conversion Kit is UL Classified under “Accessories for Single-Point Locks and Latches and Fire Exit Hardware” (UL 10C).

■ Availability

When will the new QEL be available? Product orders will be accepted beginning on December 1, 2014, product will begin shipping on December 8, 2014.

What is the pricing structure for the device and retrofit kits? There is no pricing increase for the standard QEL option. Please reference price books for additional upgrade kits.

Which exit models will the QEL be available for? 98/99, 94/95 and 33A/35A Series exit devices.

Will service parts be available for existing QEL devices? Yes, service parts will be in the form of baseplate kits and modules. These items will be available for order in our price books.

■ Installation

Do I need to replace my entire device? No, the solution can be retrofitted to any existing 98/99, 94/95 and 33A/35A Series exit devices.

Will using a power supply not manufactured by Schlage or Von Duprin void my warranty? No. If a customer uses a power supply from another manufacturer, Von Duprin will still warranty all parts and components from the Von Duprin QEL exit device. The warranty will be voided if the customer uses a power supply that does not meet the specification requirements of the QEL.

QEL electrical load	
Voltage	24 VDC
Current	1.0 A Inrush (0.5 sec) 0.14 A Holding

When would the HD-QEL option be used? The HD QEL is only used on panic devices. This option allows for the device to be manually dogged when needed.

■ Conversion information for existing products

If I have an existing 33A/35A or 98/99 Series Von Duprin exit device, what do I need to upgrade it?

Due to the modularity of the Von Duprin product platform, you have one of two options when upgrading to the new QEL solution - QEL Modular Kit or QEL Baseplate Kit. See chart below to help you choose the proper upgrade option.

I have this type of device currently installed		I want to upgrade to the new QEL, what do I need?	
		33A/35A and 98/99 Series devices	
		QEL Modular Kit*	QEL Baseplate Kit*
Mechanical device	Panic	X	
	Fire rated (pre October 2014)		X
	Fire rated (post October 2014)	X	
Any existing QEL device		X	
Any existing EL device			X

*Available with Hex Dogging option for panic devices only

FAQ - continued

What are the new conversion kit part numbers? See table below for information regarding available conversion kit and associated part numbers.

Conversion kits	QEL modular kit	HD-QEL modular kit	QEL baseplate kit	HD-QEL baseplate kit
Series	33A/35A, 98/99	33A/35A, 98/99	33A/35A, 98/99	33A/35A, 98/99
Part number	114317	958002	958003 - 3' 040065 - 4'	958004 - 3' 040067 - 4'

* 33/35 and 98/99 conversion kits available with Allegion Connect, to order use suffix CON.

If I have an existing 94/95 Series Von Duprin exit device, what do I need to upgrade it?

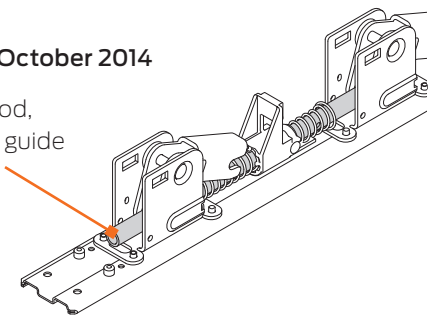
All that is required to update an existing 94/95 Series device is the Modular Conversion Kit, part number = 958005

How do I know if my device was manufactured before October 2014?

Devices manufactured before October 2014, **do not** have a guide hole drilled in the action rod. Devices manufactured after October 2014, **do** have a guide hole drilled for the action rod. See illustrations below for reference.

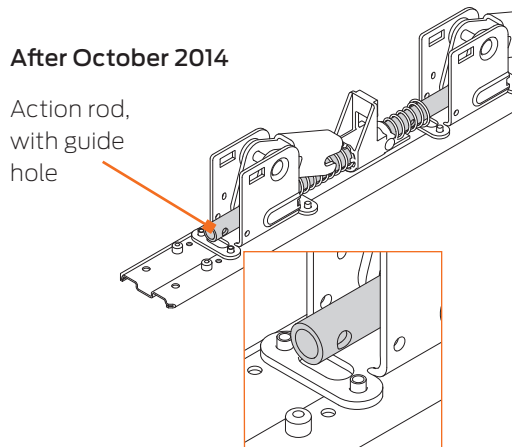
Before October 2014

Action rod, without guide hole



After October 2014

Action rod, with guide hole



If my device has been modified by a third party, how can I insure that it is UL approved for my application?

Some third party providers for aftermarket solutions are not UL certified, for both panic and fire rated devices. You can avoid this, by purchasing genuine Von Duprin products that are certified for panic and fire rated applications. Guaranteeing you the security and peace of mind that your device meets the most strict code and industry requirements.

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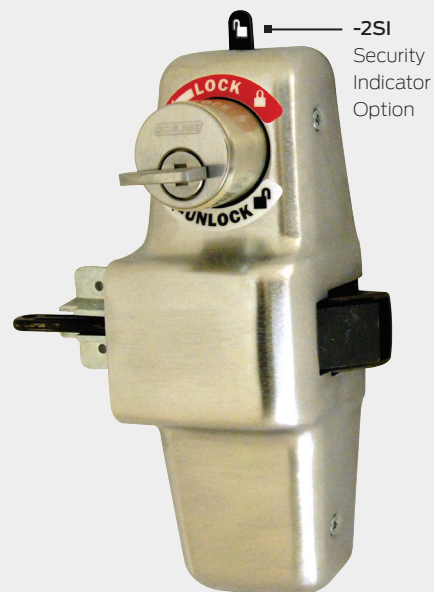
Security Indicators

Designed for high use and abuse institution environments, such as schools and hospitals, these Von Duprin products are recommended for the following applications:

- Visual Verification - Reduce the time it takes to tour your facility and ensure each door is secure by installing the Von Duprin security indicator to provide at-a-glance visual verification.
- Lockdown - Lock down high occupancy areas such as auditoriums, cafeterias and gymnasiums, from inside the room with the Von Duprin security indicator that provides positive visual confirmation.

The **CDSI/HDSI Dogging Indicator** provides an at-a-glance verification of the status of the door from inside of the room. Visible "LOCKED" and "UNLOCKED" indicators show whether the device is undogged or dogged. This feature can be used with Hex key (HDSI) or Cylinder dogging (CDSI) options on various device types – rim, mortise and vertical systems.

The **-2SI Security Indicator** provides an at-a-glance verification of the LOCKED/UNLOCKED status of the door from inside of the room. This option can be ordered as a new product or as a retrofit conversion kit to an existing 98/99 rim device. Indicator in "UNLOCKED" state presents a 1/2" x 1/2" metal flag (unlock icon, laser cut into flag) at top of device head. Indicator in "LOCKED" state has no flag present.



Features and Benefits

- Lockdown solution that meets fire and life safety codes for free egress.
- Modular conversion kits allow you to quickly and easily upgrade your existing devices

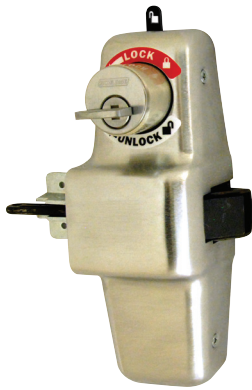
-2SI security indicator with double cylinder

- Thumbturn or key cylinder with LOCK/UNLOCK labels provide a clear direction of rotation to secure opening
- Available for 98/99 Series rim devices

CDSI/HDSI dogging indicator

- Hex or cylinder dogging options
- Visual indication of whether the exit device is dogged or undogged.
- Available for 98/99 & 33A/35A Series panic devices

Product availability



-2SI Security Indicator

NEW DEVICES

Options	Device	How to Order
Classroom Security Double Cylinder with Security Indicator	98/99 Rim only	Suffix = -2SI Double Cylinder with Security Indicator

Above applications available with L, TP, or K functions only. Specify handing. Rim cylinder (3216) sold separately. Rim cylinder with T-Turn available from Schlage, order part number XB 11-979

CDSI/HDSI Dogging Indicator

NEW DEVICES

Options	Device	How to Order
Cylinder Dogging Security Indicator	Panic devices: 33A/35A Series 98/99 Series	Prefix = CDSI
Hex Dogging Security Indicator	Panic devices: 33A/35A Series 98/99 Series	Prefix = HDSI

Above options can not be used with fire-rated devices and are recommended for use in combination with the following trim functions - DT, K-DT, L-DT, EO, NL, K-NL, L-NL, NL-OP

-2SI Security Indicator: Conversion options

CONVERSION KITS

Part Number	Description
051883	98/99-2SI Conversion Kit RHR
051884	98/99-2SI Conversion Kit LHR
971220-00	Lock/Unlock Label Only

Dogging Indicator: Conversion options

CONVERSION KITS

Part Number	Description
040070 / 040071	33A CDSI Conversion Kit 3' / 4'
040072 / 040073	33A HDSI Conversion Kit 3' / 4'
040074 / 040075	35A CDSI Conversion Kit 3' / 4'
040076 / 040077	35A HDSI Conversion Kit 3' / 4'
040078 / 040079	98 CDSI Conversion Kit 3' / 4'
040080 / 040081	98 HDSI Conversion Kit 3' / 4'
040082 / 040083	99 CDSI Conversion Kit 3' / 4'
040084 / 040085	99 HDSI Conversion Kit 3' / 4'

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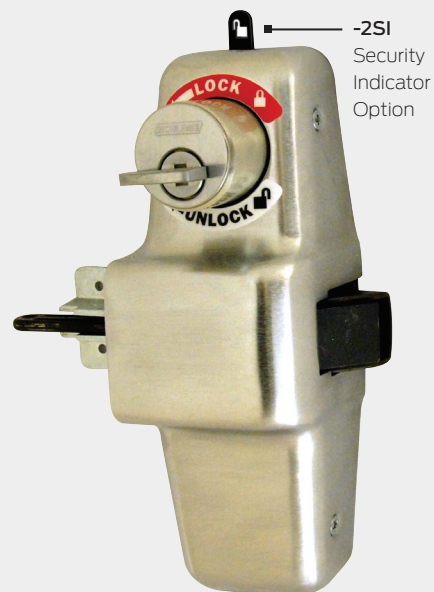
Security Indicators

Designed for high use and abuse institution environments, such as schools and hospitals, these Von Duprin products are recommended for the following applications:

- Visual Verification - Reduce the time it takes to tour your facility and ensure each door is secure by installing the Von Duprin security indicator to provide at-a-glance visual verification.
- Lockdown - Lock down high occupancy areas such as auditoriums, cafeterias and gymnasiums, from inside the room with the Von Duprin security indicator that provides positive visual confirmation.

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- Lockdown solution that meets fire and life safety codes for free egress.
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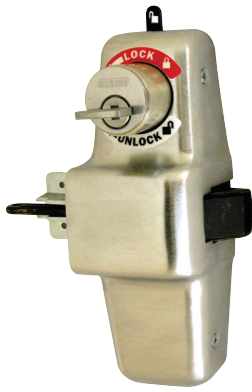
-2SI security indicator with double cylinder

- Thumbturn or key cylinder with LOCK/UNLOCK labels provide a clear direction of rotation to secure opening
- Available for 98/99 Series rim devices

CDSI/HDSI dogging indicator

- Hex or cylinder dogging options
- Visual indication of whether the exit device is dogged or undogged.
- Available for 98/99 & 33A/35A Series panic devices

Product availability



-2SI Security Indicator

NEW DEVICES

Options	Device	How to Order
Classroom Security Double Cylinder with Security Indicator	98/99 Rim only	Suffix = -2SI Double Cylinder with Security Indicator

Above applications available with L, TP, or K functions only. Specify handing. Rim cylinder (3216) sold separately. Rim cylinder with T-Turn available from Schlage, order part number XB 11-979

CDSI/HDSI Dogging Indicator

NEW DEVICES

Options	Device	How to Order
Cylinder Dogging Security Indicator	Panic devices: 33A/35A Series 98/99 Series	Prefix = CDSI
Hex Dogging Security Indicator	Panic devices: 33A/35A Series 98/99 Series	Prefix = HDSI

Above options can not be used with fire-rated devices and are recommended for use in combination with the following trim functions - DT, K-DT, L-DT, EO, NL, K-NL, L-NL, NL-OP

-2SI Security Indicator: Conversion options

CONVERSION KITS

Part Number	Description
051883	98/99-2SI Conversion Kit RHR
051884	98/99-2SI Conversion Kit LHR
971220-00	Lock/Unlock Label Only

Dogging Indicator: Conversion options

CONVERSION KITS

Part Number	Description
040070 / 040071	33A CDSI Conversion Kit 3' / 4'
040072 / 040073	33A HDSI Conversion Kit 3' / 4'
040074 / 040075	35A CDSI Conversion Kit 3' / 4'
040076 / 040077	35A HDSI Conversion Kit 3' / 4'
040078 / 040079	98 CDSI Conversion Kit 3' / 4'
040080 / 040081	98 HDSI Conversion Kit 3' / 4'
040082 / 040083	99 CDSI Conversion Kit 3' / 4'
040084 / 040085	99 HDSI Conversion Kit 3' / 4'

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Warranty

Warranty: The Company warrants that the product manufactured by it and delivered hereunder will be free of defects in material and workmanship for a period as follows: (1) exit devices and trim for 36 months from the date of placing the product in operation or for 42 months from the date of shipment; and (2) , and electrified exit devices and other electrified products for 12 months from the date of placing the product in operation or 18 months from the date of shipment, whichever shall first occur. The Purchaser shall be obligated to promptly report any failure to conform to this limited warranty, in writing, to the Company within said limited warranty period, whereupon the Company shall, at its option, correct such nonconformity, by suitable repair to such product or, furnish a replacement part F.O.B. point of shipment; provided the Purchaser has stored, installed, maintained and operated such product in accordance with good industry practices and has complied with specific recommendations of the Company. Accessories or product furnished by the Company, but manufactured by others, shall carry whatever warranty the manufacturers have conveyed to the Company and which can be passed on to the Purchaser. The Company shall not be liable for any repairs, replacements, or adjustments to the product or any costs of labor performed by the Purchaser or others without the Company's prior written approval.

The effects of corrosion, erosion and normal wear and tear are specifically excluded from this limited warranty. Performance warranties are limited to those specifically stated within the Company's proposal. Unless responsibility for meeting such performance warranties are limited to specified shop or field tests, the Company's obligation shall be to correct in the manner and for the period of time provided above.

The Company makes no other warranty or representation of any kind whatsoever, expressed or implied, except that of title, and all implied warranties of merchantability and fitness for a particular purpose, are hereby disclaimed. No agent, representative, dealer, or employee of Company has the authority to increase or alter the obligations of this limited warranty.

Correction by the Company of nonconformities whether patent or latent, in the manner and for the period of time provided above, shall constitute fulfillment of all liabilities of the Company for such nonconformities, whether based on contract, warranty, negligence, indemnity, strict liability or otherwise with respect to or arising out of such Equipment.

The Purchaser shall not operate product which is considered to be defective, without first notifying the Company in writing of its intention to do so. Any such use of product will be at the Purchaser's sole risk and liability and will not be covered by this limited warranty.

Customer Care: 877-671-7011

RMA requests (Return Material Authorization) are to be directed to Von Duprin, 2720 Tobey Drive, Indianapolis, IN 46219. Attn: Customer Service.