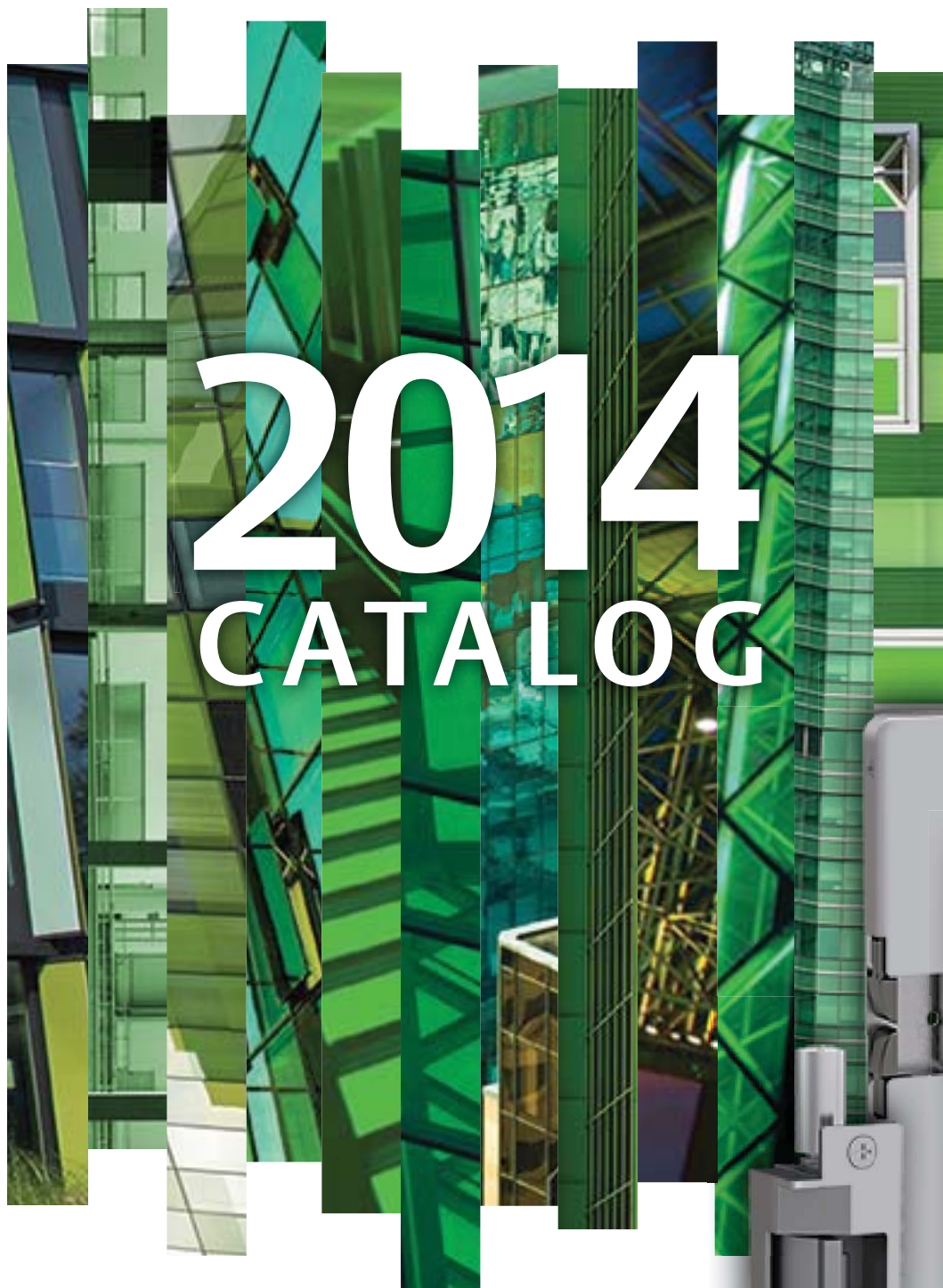


ASSA ABLOY, the global leader  
in door opening solutions



HES & Folger Adam  
Electric Strikes & Accessories

# About HES® and Folger Adam®

## About

Headquartered in Phoenix, Arizona, **Hanchett Entry Systems, Inc.® (HES)**, an ASSA ABLOY group company, continues our commitment to being the leading provider of electro-mechanical locking solutions.

For more than 35 years, we've been raising the standards of the industry developing new solutions like the 8500 concealed electric strike for mortise locksets, the versatile 1006 Series, and the surface mounted, windstorm rated 9600.

Our Folger Adam product line, marketed by HES, continues to offer high quality industrial grade

electric strikes to satisfy a variety of needs for extra heavy duty durability and tamper resistance.

## An Industry Leader

Backed by the strength of ASSA ABLOY, the global leader in door opening solutions, HES continues to grow, leading the industry in quality, service and innovation. Our new, eco-friendly, LEED Silver designed building features improved energy efficiency, air quality and sustainability.

## Our Customers Come First

Above all else, HES believes in meeting the needs of our customers with products that

solve their specific needs.

Our success has been built on listening to you—and delivering products and services that help advance your business. We value long-term relationships with our suppliers and sales partners, seeking out groups that command respect in their local markets and operate with the highest level of professionalism.

**On behalf of our entire team, thank you for using HES products.**

## Customer Support

**Do you have a question concerning HES, but don't know who to contact? We're here to help, and you can contact us in the following ways:**

- Talk to us. Call us at **800.626.7590** to talk to a Customer Support representative from 6:00 AM to 4:00 PM Mountain Standard Time.
- Email us at **customercare@assaabloyems.com**.
- Visit **www.hesinnovations.com** to learn more about HES products and services.

## Connect With Us!



Follow us on Twitter at **@hesinnovations**



Connect with us on Facebook at **hesinnovations**



View our channel at **Hes, Inc.**

# durable, high-quality electric strikes

# Check out what's new for 2014



## HES raises the bar again with new outdoor ratings

### HES Electric Strikes

They are the same great strikes you have been using for years, now UL 1034 burglary resistant and suitable for outdoor use. To learn more, see pages 6-51.

Choose from the following HES Electric Strike Series:

**1006** » Our strongest and most versatile electric strikes

**5000** » The grade 1, low profile solution

**8000, 8300, 8500** » The concealed, no-cut solution

**9400, 9500, 9600** » Slim-lined and surface mounted



### Aperio® KS100-640H Server Cabinet Lock

Protect servers from malicious or accidental tampering without adding another credential.

Using wireless communication, this convenient system brings real time access control in a single-card system to individual server cabinet doors, greatly improving the monitoring and security level of each server cabinet. The KS100-640H server cabinet lock and pre-paired Aperio hub tie to an existing electronic access control system via Wiegand wiring. It uses existing ID badges so there are no keys to control or replace and no codes to secure or remember. To learn more, see pages 82 and 83.



### HES 610 Series Cabinet Lock

Versatile, Compact and Cost Effective

The HES 610 cabinet lock is a versatile, compact and cost effective cabinet lock for wood cabinets. The 610 cabinet lock can be triggered by a simple relay as part of an access control system or with a standalone keypad. The HES 610 is available in monitored and unmonitored versions. Typical uses include securing expensive inventory, prototypes, or controlled documents. To learn more, see page 84.

Designed to be  
your solution.



**8000**

Concealed  
Cylindrical Locksets



**8300**

Concealed Fire-Rated  
Cylindrical Locksets



**8500**

Concealed Fire-Rated  
Mortise Locksets



**9400**

Surface Mount  
1/2" Rim Exit Devices



**9500**

Surface Mount  
Fire-Rated  
3/4" Rim Exit Devices



**9600**

Surface Mount  
Windstorm Rated  
3/4" Rim Exit Devices

## Electric Strikes for Every Application.

HES® electric strikes secure all types of buildings with all types of openings. Whether you encounter mortise, cylindrical or rim exit devices, HES has designed an easy-to-install solution. With both fire-rated and severe windstorm-rated models, HES is the only brand that offers a convenient solution for every application.

Visit [hesinnovations.com](http://hesinnovations.com) to find the right electric strikes for your project.



ASSA ABLOY, the global leader  
in door opening solutions

Visit our website  
[hesinnovations.com](http://hesinnovations.com)



**Our website offers complete product information including:**

- Latest Product Releases
- Installation Instructions and Presentations
- Faceplate Options and Dimensional Drawings
- How to Order and Tech Tips
- Product Literature and Images
- Training Opportunities and Resources

**HES Electric Strike Series** » 6  
 1006, 4500, 5000, 5200,  
 7000, 7500, 8000, 8300,  
 8500, 9400, 9500, 9600

**Folger Adam** » 56  
 300 and 700

**Integrated Products** » 70  
 Integrated Prox,  
 Integrated HID iCLASS®

**Cabinet Locks** » 76  
 Aperio®, K100-622,  
 KS100-640H, 610, 660 Series

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 Electrical, Hardware,  
 Demo Mounts, SMART Pac® III

**General Information** » 92  
 Glossary, Compatibility Chart,  
 Terms & Conditions, Trademark  
 Usage, LEED Certification, Lock  
 Cross Reference

HES

FOLGER ADAM

INTEGRATED  
 PRODUCTS

CABINET LOCKS

ACCESSORIES

GENERAL  
 INFORMATION

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# HES

## Electric Strikes & Faceplates

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# HES

## How to Order

Below is an example describing how to order the electric strike systems composed of a strike body, faceplate and accessories.

### Part Number Examples

#### 8000C-630-LBM

Is the part number for an 8000 Series Complete electric strike with select option faceplates included in the box, stainless steel finish and latchbolt monitor.

#### 7501-12-612-LBM

Is the part number for a 7500 Series electric strike with fail secure, 12VDC voltage, satin bronze finish and latchbolt monitor

8000	C	-	-	630	LBM
Strike Series	Complete	Fail Safe/Secure	Voltage	Finishes	Optional Features
Choose the electric strike series number	Specify "C" to include select faceplates and hardware in the box	Specify an "F" for Fail Safe and leave blank for Fail Secure (standard)	Specify voltage (12 or 24) when ordering a 7000 or 7500 and leave blank for the rest	Choose finish number (find this number on the series catalog page) Complete Pacs are only available in the 630 finish	This item refers to options such as latchbolt monitor or latchbolt strike monitor

Faceplates may be ordered seperately as a second line item.

### Part Number Examples

#### KM-605

Is the part number for a 1006 Series KM Option faceplate with a bright brass finish.

#### 501-BLK

Is the part number for a 5200 Series 501 Option faceplate with a black finish.

#### 852M-629

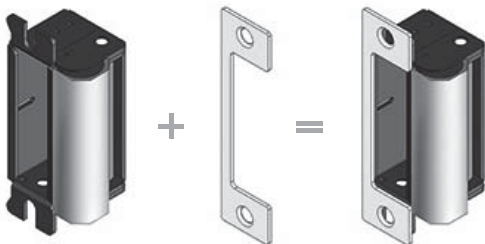
Is the part number for a 8500 Series 852M Option faceplate with a bright stainless steel finish.

KM	605
Faceplate Series	Finishes
Choose the faceplate series number	Choose finish number (find this number on the series faceplate options page)



*Shown with KM Option*

The 1006 series is the strongest and most versatile electric strike available. The dual interlocking plunger design and heavy duty stainless steel construction, enables it to exceed every standard developed for electric strikes. With multiple faceplate options, the 1006 will fully accommodate every lock designed to work within an ANSI 4-7/8" strike plate. Tested to exceed 3,000 lbs. of static strength, 350 ft-lbs. of dynamic strength and factory tested to exceed 1,000,000 cycles of operation, the 1006 is in a class of its own.



*We offer several types of faceplate options to accommodate your application. Faceplate options sold separately (see pages 12-16).*

# 1006 Series

The **strongest, most versatile** electric strike available

## Specifications

- UL 10C fire-rated, 3 hour single door (fail secure only)
- UL 10C fire-rated, 1-1/2 hour double door (fail secure only)
- CAN4-S104(ULC-S104) fire door conformant
- ANSI A250.13-2003 windstorm listed
- UL 1034, burglary-resistant listed and suitable for outdoor use
- ANSI/BHMA A156.31, Grade 1
- NFPA-252 fire door conformant
- ASTM-E152 fire door conformant
- MEA New York City accepted
- Florida Building Code approved FL#4776
- Patents: 6,021,038 & 6,595,564

## Frame Application

- Metal
- Wood

## Electrical

- .45 Amps @ 12VDC continuous duty
- .25 Amps @ 24VDC continuous duty





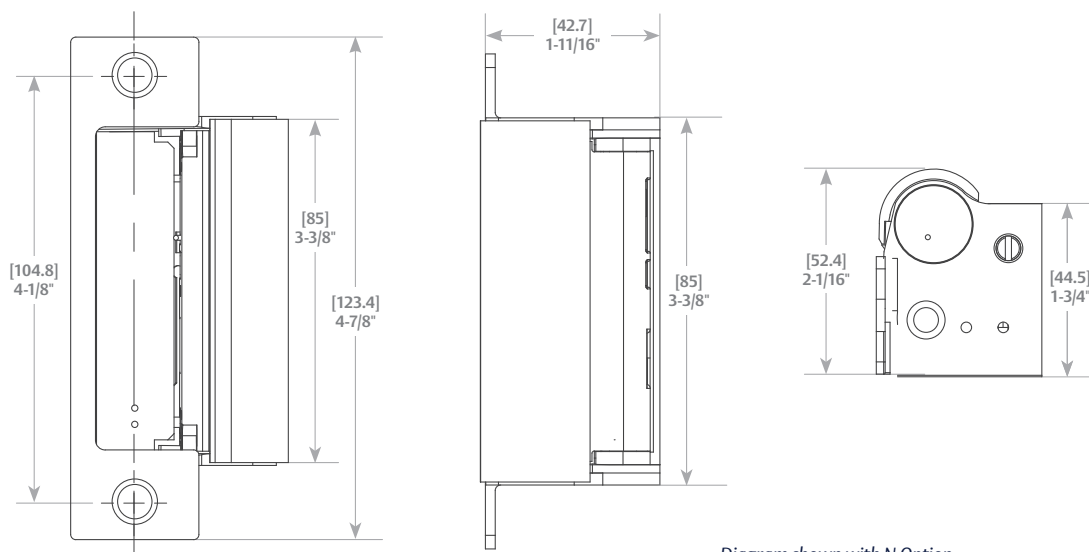


Diagram shown with N Option

### Standard Features

- Stainless steel construction
- Tamper resistant
- Static strength 3,070 lbs. (fail secure)
- Dynamic strength 350 ft-lbs. (fail secure)
- Endurance 1,000,000 cycles
- Fail secure (standard)
- Dual voltage 12VDC or 24VDC continuous duty
- Non-handed
- Internally mounted solenoid
- Accommodates up to 1" deadbolt
- Plug-in connector
- Full keeper shims for horizontal adjustment
- Trim enhancer
- Five-year limited warranty

### Optional Features

- Fail Safe
  - **LBM** » Latchbolt monitor
  - **LBSM** » Latchbolt strike monitor
  - Interchangeable faceplates
- Monitor Switches may not work with all faceplate options (see pages 12-16)*

### Accessories

- 1000-102** » Rain guard
- 1006-103** » Full keeper shims
- 1000-104** » Lip extension trim adapter
- 1006-105** » Trim enhancer BLK (goof plate)
- 1006-109** » Trim adapter
- 1000-110** » Replacement strike plate
- 1000-130** » KD filler plate

**150** » Strike latch guard

**154-MTK** » Metal template kit

**2004M** » Electrolynx® adapter

**2005M3** » SMART Pac® III

**2006M** » Plug-in buzzer

### Finishes

**630** » Satin stainless steel

**605** » Bright brass

**606** » Satin brass

**612** » Satin bronze

**613** » Bronze toned

**629** » Bright stainless steel

**BLK** » Black

*\*Complete Pacs are only available in the 630 finish*



CYLINDRICAL  
LOCKSETS



MORTISE LOCKS  
WITH DEADBOLTS



MORTISE LOCKS  
WITHOUT DEADBOLTS



SPECIALTY  
LOCKSETS



ANSI A250.13-2003  
WINDSTORM RESISTANT



FIELD SELECTABLE  
(12 OR 24VDC)



FIRE RATED



GRADE 1



OUTDOOR RATED



UL 1034  
BURGLARY LISTED

**hes**  
ASSA ABLOY

# 1006 Series

HES raises the bar again with a **Complete** line of **One Box Solutions**

If you're unsure of what lockset you'll encounter in the field or just want to simplify what you carry, choose an HES Complete electric strike system.

You'll be sure to have a Grade 1 solution to release any cylindrical or mortise lockset that works with an ANSI 4-7/8" strike plate.

**Everything is included in the box.**

## How to Order

The following is an example describing how to order the new 1006 Complete One Box Solutions.



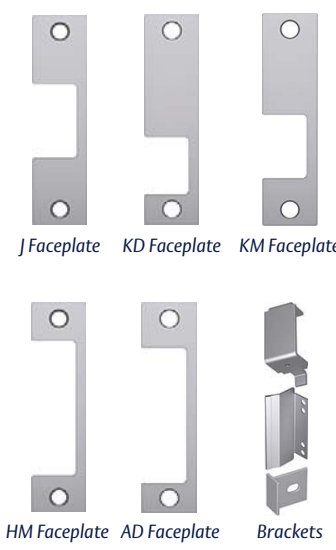
### Part Number Examples

#### 1006CLB-630-LBM

*Is the part number for a 1006 Series electric strike with select option faceplates included in the box, and a bright brass finish.*

1006	C	-	LB	630	LBM
Strike Series	Complete	Fail Safe/Secure	Lock Type	Finishes	Optional Features
Choose the electric strike series number	Specify a "C" to include select faceplates and hardware in the box	Specify an "F" for Fail Safe and leave blank for Fail Secure (standard)	"LB" for Latchbolt "S" for SMARTPac® III "DB" for Deadbolt	All Complete Pacs are only available in the 630 finish	This item refers to options such as latchbolt monitor or latchbolt strike monitor

Included in the box:

<p>Strike body</p>	
<p>The 1006CS includes the patented SMART Pac III in-line power controller to provide a cooler, more energy efficient electric strike system.</p>	
<p>The Smart Electric Strike System with interchangeable faceplates. For specifications, product features, and accessories, see pages 8-9.</p>	 <p>J Faceplate   KD Faceplate   KM Faceplate</p> <p>HM Faceplate   AD Faceplate   Brackets</p>

# 1006CS Smart Strike™

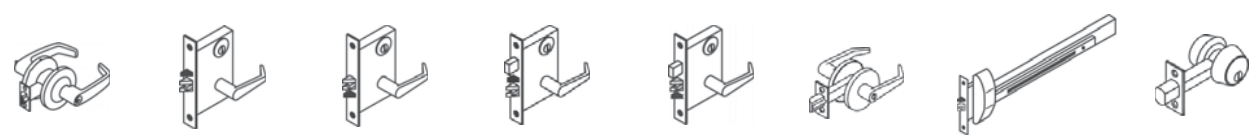
The **Complete One Box Solution** for all cylindrical and mortise locksets, with or without a 1" deadbolt

The 1006CS Smart Strike is the strongest and most versatile electric strike available. This Complete One Box Solution includes all hardware necessary to fully accommodate any brand of cylindrical or mortise lockset that works with an ANSI 4-7/8" strike plate. It is the only electric strike that can release, recapture and contain mortise locks with a 1" deadbolt. The 1006CS it truly in a class of its own.

**The 1006CS Smart Strike** includes a 1006 electric strike body and SMART Pac® III plus faceplates and brackets that can provide the same function as any of following options:

- |           |            |           |
|-----------|------------|-----------|
| J Option  | AM Option  | N Option  |
| K Option  | H Option   | ND Option |
| KD Option | HD Option  | NM Option |
| KM Option | HM Option  | T Option  |
| A Option  | HT Option  | TD Option |
| AD Option | HTD Option |           |

Compatible Locksets:



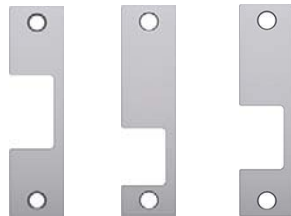
## Included in the box:

Strike body



The Smart Electric Strike System with interchangeable faceplates.

For specifications, product features, and accessories, see pages 8-9.



J Faceplate    KD Faceplate    KM Faceplate

# 1006CLB Complete for Latchbolt Locks

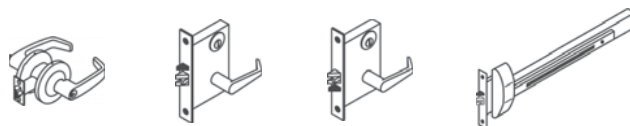
The **Complete One Box Solution** for all cylindrical and mortise locksets

The 1006CLB is the electric strike for all latchbolt locks. This Complete One Box Solution includes all hardware necessary to fully accommodate every brand of cylindrical and mortise locksets designed to work with an ANSI 4-7/8" strike plate. The 1006CLB is the strongest and most versatile electric strike available. Truly in a class of its own.

**The 1006CLB** includes the 1006 electric strike body plus faceplates and brackets that provide the same function as any of the following options:

J Option      KD Option  
K Option      KM Option

## Compatible Locksets:



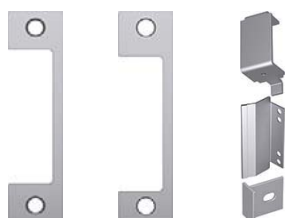
Included in the box:

Strike body



The Smart Electric Strike System with interchangeable faceplates.

For specifications, product features, and accessories, see pages 8-9.



HM Faceplate AD Faceplate Brackets

# 1006CDB Complete for Deadbolt Locks

The **Complete One Box Solution** for all locksets with a 1" deadbolt

The 1006CDB is the electric strike for all deadbolt locks. This Complete One Box Solution includes all hardware necessary to fully accommodate every brand of lockset that has a 1" deadbolt and is designed to work with an ANSI 4-7/8" strike plate. The 1006CDB is the strongest and most versatile electric strike available. Truly in a class of its own.

**The 1006CDB** includes the 1006 electric strike body plus faceplates and brackets that provide the same function as any of the following options:

- |           |            |           |
|-----------|------------|-----------|
| A Option  | HM Option  | NM Option |
| AD Option | HT Option  | T Option  |
| AM Option | HTD Option | TD Option |
| H Option  | N Option   |           |
| HD Option | ND Option  |           |

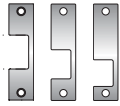
Compatible Locksets:



# 1006 Series Faceplate Options



**Operation:** After releasing the latchbolt, the keeper returns to the locked position



4-7/8" x 1-1/4"

## LB Option

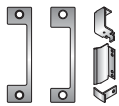
**The Latchbolt Solution:** Includes all hardware to accommodate every cylindrical and mortise lock with up to a 3/4" latchbolt.

Replaces the J, K, KM and KD Options

» ANSI/BHMA Numbers: E09321, E09322, E09323



**Operation:** This deadbolt solution offers three modes of functionality; night latch, lockout, and normally extended deadbolt. (Functional operation modes described below.)



4-7/8" x 1-1/4"

## DB Option

**The Deadbolt Solution:** Includes all hardware to retain, release and recapture all mortise locks, and tubular deadbolts with up to a 1" latchbolt

**Mode 1:** Night latch function. The deadbolt is retracted during traffic hours. The latchbolt is released by the keeper and keeper returns to the locked position.

**Mode 2:** Lockout function. The electric strike will not release if the deadbolt is extended.

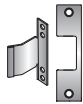
**Mode 3:** Normally extended deadbolt. Latchbolt and deadbolt are released by a single keeper. The keeper is held open to recapture the latchbolt and deadbolt when the door is closed.

Replaces the N, ND, NM, A, AM, AD, T, TD, H, HD, HM, HT, and HTD options

» ANSI/BHMA Numbers: E09391, E09392, E09393, E09331, E09332, E09333



**Operation:** After releasing the latchbolt or deadbolt the keeper returns to the locked position



4-7/8" x 1-1/4"

## E Option

**For use with:** Corbin Russwin Security Bolt, Weiserbolt and normally extended 1" tubular deadbolts

» ANSI/BHMA Numbers: E09391, E09392, E09393



**Operation:** The hookbolt is released by a single keeper. The keeper is held open to recapture the latchbolt and hookbolt when the door is closed.

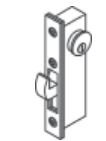


4-7/8" x 1-1/4"

## R Option

**For use with:** Adams Rite style hookbolt up to 1" throw

» ANSI/BHMA Numbers: E09391, E09392, E09393, E09332, E09333



# 1006 Series Faceplate Options



**Operation:** After releasing the latchbolt, the keeper returns to the locked position

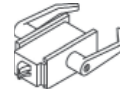


4-7/8" x 1-1/4"

## Z Option

**For use with:** Unit and Mono locks

» ANSI/BHMA Numbers: E09321, E09322, E09323



**Operation:** After releasing the latchbolt, the keeper returns to the locked position



9" x 1-3/8"

## J-2 Option

**For use with:** All cylindrical locks with up to a 3/4" latchbolt

» ANSI/BHMA Numbers: E09321, E09322, E09323



**Operation:** After releasing the latchbolt, the keeper returns to the locked position

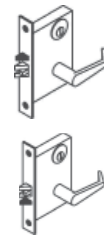


9" x 1-3/8"

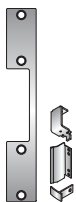
## KM-2 Option

**For use with:** Mortise locksets with a normally extended 1" deadbolt

» ANSI/BHMA Numbers: E09321, E09322, E09323



**Operation:** This deadbolt solution offers three modes of functionality; night latch, lockout, and normally extended deadbolt. (Functional operation modes described below.)



9" x 1-3/8"

## DB-2 Option

**The Deadbolt Solution:** Includes all hardware to retain, release and recapture all mortise locks, and tubular deadbolts with up to a 1" latchbolt

**Mode 1: Night latch function.** The deadbolt is retracted during traffic hours. The latchbolt is released by the keeper and keeper returns to the locked position.

**Mode 2: Lockout function.** The electric strike will not release if the deadbolt is extended.

**Mode 3: Normally extended deadbolt.** Latchbolt and deadbolt are released by a single keeper. The keeper is held open to recapture the latchbolt and deadbolt when the door is closed.

Replaces the N-2, A-2, T-2, and H-2 options

» ANSI/BHMA Numbers: E09391, E09392, E09393, E09331, E09332, E09333



Continued on next page »

# 1006 Series Faceplate Options



**Operation:** After releasing the latchbolt, the keeper returns to the locked position



4-7/8" x 1-1/4"

## J Option

**For use with:** Cylindrical locksets with up to 3/4" throw and all locksets with center-lined bolts

**Compatible locksets:** All brands of cylindrical latchbolts

» ANSI/BHMA Numbers: E09321, E09322, E09323



**Operation:** After releasing the latchbolt, the keeper returns to the locked position



4-7/8" x 1-1/4"

## KD Option

**For use with:** Mortise locksets up to 3/4" throw latchbolt

**Compatible locksets:** Dorma 9500, Jackson, Sargent (7700 & 8100), Schlage, Yale (8700)

» ANSI/BHMA Numbers: E09321, E09322, E09323



4-7/8" x 1-1/4"

## KM Option

**For use with:** Mortise locksets up to 3/4" throw latchbolt

**Compatible locksets:** Accurate, Arrow, Baldwin, Best, Corbin Russwin, Falcon, Marks, PDQ, Sargent (7800, 8200 & 9200), Yale (8800)

» ANSI/BHMA Numbers: E09321, E09322, E09323



**Operation:** Latchbolt and deadbolt are released by a single keeper. The keeper is held open to recapture the latchbolt and deadbolt when the door is closed.



4-7/8" x 1-1/4"

## AD Option

**For use with:** Mortise locksets with a normally extended 1" deadbolt

**Compatible locksets:** Sargent (7700 & 8100), Schlage, Yale (8700)

» ANSI/BHMA Numbers: E09391, E09392, E09393, E09331, E09332, E09333



4-7/8" x 1-1/4"

## AM Option

**For use with:** Mortise locksets with a normally extended 1" deadbolt

**Compatible locksets:** Accurate, Arrow, Baldwin, Best, Corbin Russwin, Falcon (45H, 47H, 34H & 37H), Marks, Omnia, PDQ, Sargent (7800, 8200 & 9200), Yale (8800)

» ANSI/BHMA Numbers: E09391, E09392, E09393, E09331, E09332, E09333





# 1006 Series Faceplate Options



**Operation:** Lockout function. The electric strike will not release if the deadbolt is extended. The deadbolt is retracted during traffic hours. The latchbolt is retracted by the keeper. The keeper returns to the locked position.



4-7/8" x 1-1/4"

## HM Option

**For use with:** Mortise locksets with a 1" deadbolt. Strike will not release when deadbolt is extended

**Compatible locksets:** Accurate, Arrow, Baldwin, Best, Corbin Russwin, Falcon (45H, 47H, 34H & 37H), Marks, Omnia, PDQ, Sargent (7800, 8200 & 9200), Yale (8800)

» ANSI/BHMA Numbers: E09391, E09392, E09393, E09331, E09332, E09333



4-7/8" x 1-1/4"

## HTD Option

**For use with:** Mortise locksets with a 1" deadbolt and no deadlatch or a center positioned deadlatch. Strike will not release when deadbolt is extended

**Compatible locksets:** Sargent (7700 & 8100), Schlage, Yale (8700)

» ANSI/BHMA Numbers: E09391, E09392, E09393, E09331, E09332, E09333



**Operation:** Night latch function. The deadbolt is retracted during traffic hours. The latchbolt is released by the keeper and keeper returns to the locked position.



4-7/8" x 1-1/4"

## ND Option

**For use with:** Mortise locksets with a deadbolt used for night latch function only

**Compatible locksets:** Sargent (7700 & 8100), Schlage, Yale (8700)

» ANSI/BHMA Numbers: E09391, E09392, E09393, E09331, E09332, E09333



4-7/8" x 1-1/4"

## NM Option

**For use with:** Mortise locksets with a deadbolt used for night latch function only

**Compatible locksets:** Accurate, Arrow, Baldwin, Best, Corbin Russwin, Falcon (45H, 47H, 34H & 37H), Marks, Omnia, PDQ, Sargent (7800, 8200 & 9200), Yale (8800)

» ANSI/BHMA Numbers: E09391, E09392, E09393, E09331, E09332, E09333



Continued on next page »

# 1006 Series Faceplate Options



**Operation:** Latchbolt and deadbolt are released by a single keeper. The keeper is held open to recapture the latchbolt and deadbolt, and the deadlatch is engaged when the door is closed.



4-7/8" x 1-1/4"

## T Option

**For use with:** Mortise locksets with a normally extended 1" deadbolt and center-lined deadlatch

**Compatible locksets:** Accurate, Arrow, Baldwin, Marks, Omnia, PDQ, Schlage

» ANSI/BHMA Numbers: E09391, E09392, E09393, E09331, E09332, E09333



4-7/8" x 1-1/4"

## TD Option

**For use with:** Mortise locksets with a normally extended 1" deadbolt and center-lined deadlatch

**Compatible locksets:** Sargent (7700 & 8100), Schlage, Yale (8700)

» ANSI/BHMA Numbers: E09391, E09392, E09393, E09331, E09332, E09333



The following legacy faceplate options remain available for order. Suggestions are provided below for more versatile options.

A Option replaced by **AM Option**  
 H Option replaced by **HM Option**  
 HD Option replaced by **HTD Option**  
 HT Option replaced by **HTD Option**  
 K Option replaced by **KM Option**  
 N Option replaced by **NM Option**

K-2 Option combined into **KM-2 Option**  
 A-2 Option replaced by **DB-2 Option**  
 H-2 Option replaced by **DB-2 Option**  
 N-2 Option replaced by **DB-2 Option**  
 T-2 Option replaced by **DB-2 Option**

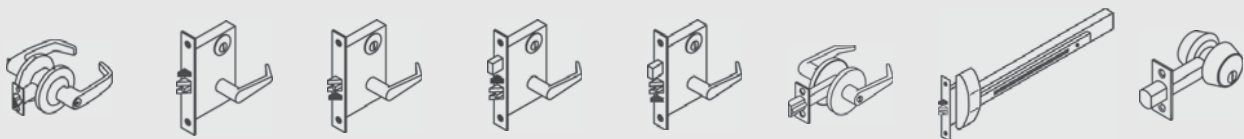
# The only electric strike you'll ever need is...



## ... the Complete Pac.

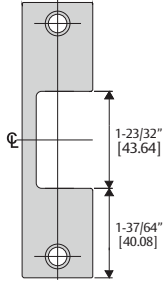
Introducing the 1006CS Complete Smart Strike including 1006 strike body, SMART Pac® III, five faceplates, mounting brackets & mounting hardware.

The only strike to release & recapture **EVERY BRAND** of **EVERY LOCKSET**, cylindrical & mortise, for an ANSI 4-7/8" strike plate.

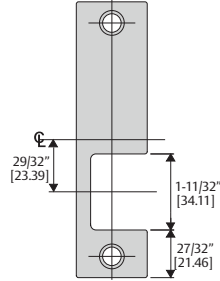


# 1006 Series Faceplate Dimensions

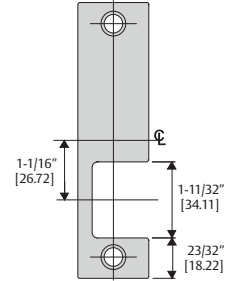
**J, E**  
Faceplate Option



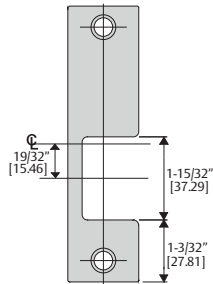
**K**  
Faceplate Option



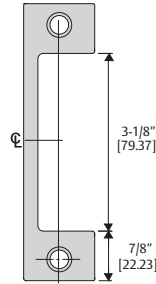
**KD**  
Faceplate Option



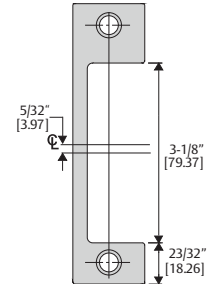
**KM**  
Faceplate Option



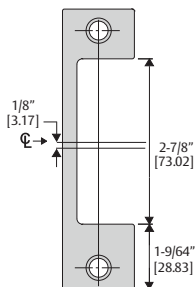
**A, H, HT, N, T**  
Faceplate Option



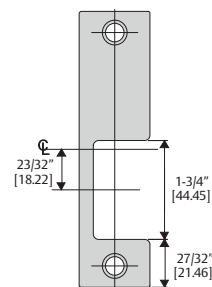
**AD, HD, ND, TD**  
Faceplate Option



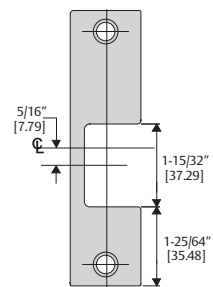
**AM, HM, NM**  
Faceplate Option



**R**  
Faceplate Option

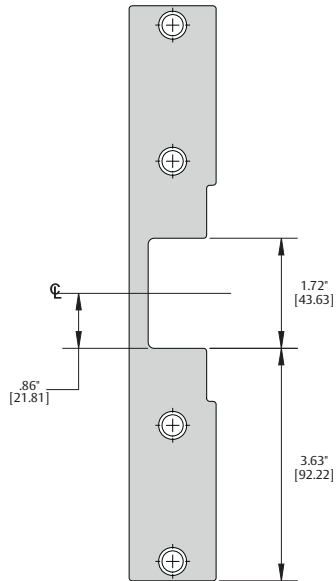


**Z**  
Faceplate Option

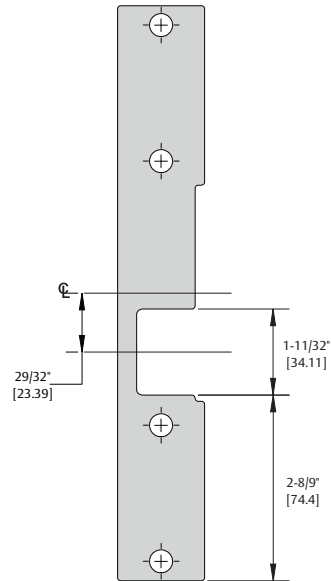


# 1006 Series Faceplate Dimensions

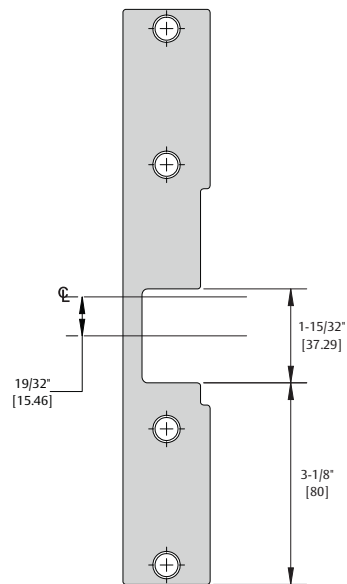
**J-2**  
Faceplate Option



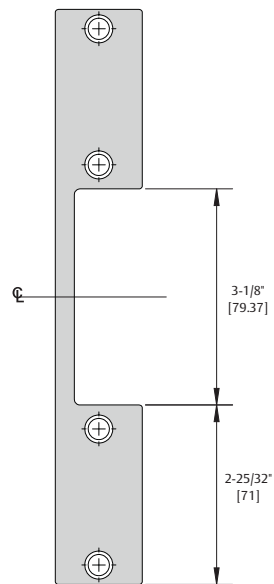
**K-2**  
Faceplate Option



**KM-2**  
Faceplate Option



**N-2, T-2, A-2, H-2**  
Faceplate Option



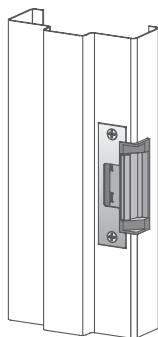


The 4500 Series is a Complete One Box Solution

*Shown with mortise lock faceplate*

The 4500C series electric strike is designed for installation in 2" UL 10C fire rated frame with 1/2" drywall penetration. The 4500C features a low profile 1-3/8" depth, heavy-duty stainless steel construction. Its strength is derived from a unique keeper pin locking design, enabling the 4500C to exceed the ratings of the frame, door and locking hardware. The 4500C includes two faceplates designed to accommodate either cylindrical or mortise locksets up to a 3/4" throw latchbolt.

*See the Compatibility Chart on pages 96-97 for mortise lock compatibility.*



# 4500C

## Complete One Box Solution

The **low profile, heavy duty, fire-rated** solution

### Specifications

- UL 10C fire rated, 3 hour (fail secure only)
- CAN4-S104 (ULC-S104) fire door conformant
- UL 1034 burglary resistant listed
- ANSI/BHMA A156.31, Grade 1
- NFPA-252 fire door conformant
- ASTM-E152 fire door conformant
- California Fire Marshall listed
- Patent: 5,934,720

### Frame Application

- Metal
- Wood

### Electrical

- .24 Amps @ 12VDC/VAC
- .12 Amps @ 24VDC/VAC
- DC Continuous duty/AC intermittent duty only

## 4500C Model

**4500C**  
Complete electric strike



Model 4500C includes faceplates for cylindrical and mortise locks

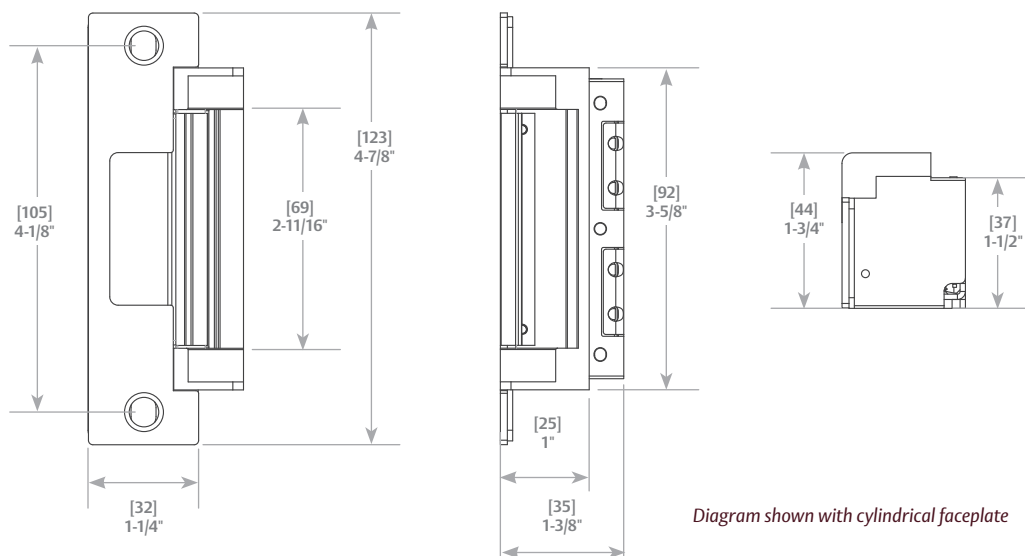


Diagram shown with cylindrical faceplate

### Standard Features

- Stainless steel construction
- Tamper resistant
- Static strength 3,000 lbs.
- Dynamic strength 100 ft-lbs.
- Endurance 1,000,000 cycles
- Field selectable fail safe / fail secure
- Dual voltage 12 or 24 VAC/VDC
- Two faceplates provided to accommodate a variety of locksets
- Non-handed
- Internally mounted solenoid
- Accommodates up to a 3/4" latchbolt
- Strike body depth 1-3/8"
- Plug-in connector
- Trim enhancer
- Full keeper shims for horizontal adjustment
- Five-year limited warranty

### Optional Features

- **LBM** » Latchbolt monitor
- **LBSM** » Latchbolt strike monitor

### Accessories

- 4500-105** » Trim enhancer - black
- 4500-110** » Replacement strike plate
- 4500-131** » Filler block - 7/16"
- 150** » Strike latch guard
- 154-MTK** » Metal template kit
- 2001M** » Plug-in bridge rectifier
- 2004M** » ElectroLynx® adapter
- 2005M3** » SMART Pac® III
- 2006M** » Plug-in buzzer
- 4501-1/2** » 1/2" stackable lip extension
- 4501-1** » 1" stackable lip extension

### Finishes

- 630** » Satin stainless steel
- 605** » Bright brass
- 606** » Satin brass
- 612** » Satin bronze
- 613** » Bronze toned

**629** » Bright stainless steel  
\*Complete Pacs are only available in the 630 finish

CYLINDRICAL  
LOCKSETSMORTISE LOCKS  
WITHOUT DEADBOLTSFIELD SELECTABLE  
(12 OR 24VDC)FIELD SELECTABLE  
(FAIL SECURE / FAIL SAFE)

FIRE RATED



GRADE 1

UL 1034  
BURGLARY LISTED

**hes**  
ASSA ABLOY



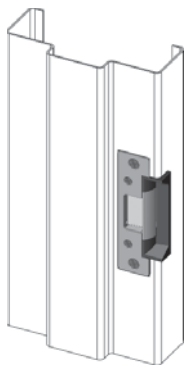
The 5000 Series is also available in a **Complete One Box Solution**

# 5000 Series

The **grade 1, low profile** solution for **cylindrical locksets**

*Shown with 501 Option*

The 5000 series is a compact, high performance electric strike designed for low profile openings where there is limited space behind the jamb. Its strength is derived from a unique keeper pin locking design, enabling the 5000 to exceed the ratings of the frame, door and locking hardware. This field selectable fail secure/fail safe unit is easy to install and accommodates latchbolts up to 5/8" throw.



## Specifications

- UL 1034, burglary-resistant listed and suitable for outdoor use
- ANSI/BHMA A156.31, Grade 1
- MEA New York City accepted
- Patent: 5,934,720

## Frame Application

- Metal
- Wood

## Electrical

- .24 Amps @ 12VDC/VAC
- .12 Amps @ 24VDC/VAC
- DC continuous duty/ AC intermittent duty only

## 5000 Models

### 5000

Universal electric strike  
Faceplate options ordered separately, see page 26

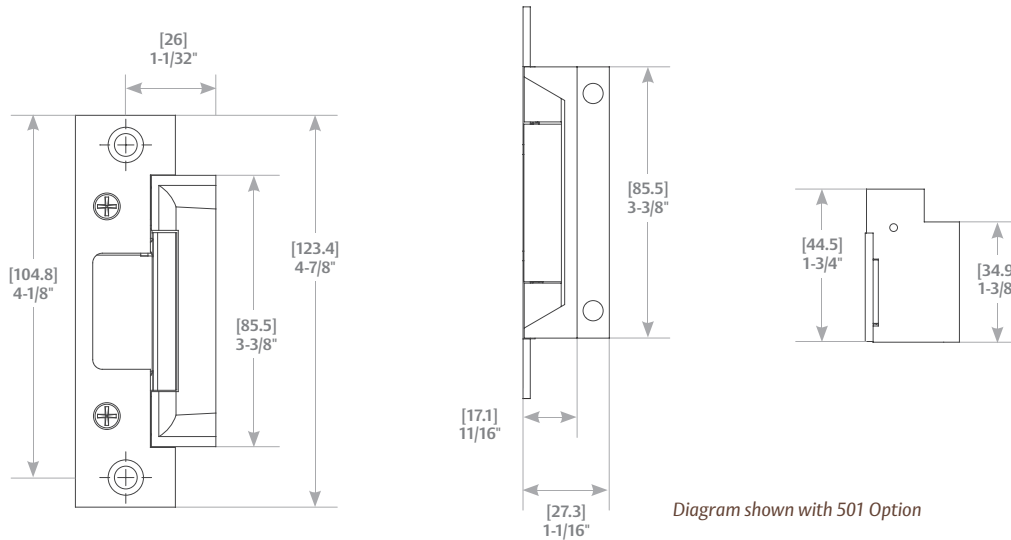
### 5000C

Complete electric strike  
Includes the 501 and 501A faceplates in the box



Model 5000C includes a 501 and a 501A faceplate in the box





### Standard Features

- Tamper resistant
- Static strength 1,500 lbs.
- Dynamic strength 70 ft-lbs.
- Endurance 500,000 cycles
- Field selectable fail secure/fail safe
- Dual voltage 12 or 24 VDC/VAC
- Non-handed
- Internally mounted solenoid
- Accommodates 1/2" - 5/8" latchbolt (5/8" with 1/8" door gap)
- Strike body depth 1-1/16"
- Plug-in connector
- Trim enhancer included
- Five-year limited warranty

### Optional Features

- **LBM** » Latchbolt monitor

### Accessories

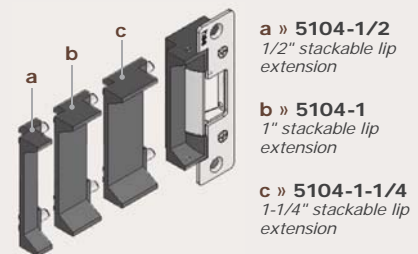
- 150** » Strike latch guard
- 154-MTK** » Metal template kit
- 2001M** » Plug-in bridge rectifier
- 2004M** » ElectroLynx® adapter
- 2005M3** » SMART Pac® III
- 2006M** » Plug-in buzzer
- 5104-1/2** » 1/2" stackable lip extension
- 5104-1** » 1" stackable lip extension
- 5104-1-1/4** » 1-1/4" stackable lip extension

### Finishes

- 630** » Satin stainless steel
- 605** » Bright brass
- 606** » Satin brass
- 612** » Satin bronze
- 613** » Bronze toned
- 629** » Bright stainless steel
- BLK** » Black

\*Complete Pacs are only available in the 630 finish

### "Press Fit" Stackable Lip Extensions



CYLINDRICAL  
LOCKSETS



SPECIALTY  
LOCKSETS



FIELD SELECTABLE  
(12 OR 24VDC)



FIELD SELECTABLE  
(FAIL SECURE / FAIL SAFE)



GRADE 1



OUTDOOR RATED



UL 1034  
BURGLARY LISTED

**hes**  
ASSA ABLOY



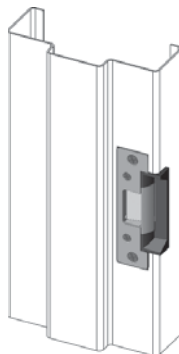
The 5200 Series is also available in a **Complete One Box Solution**

# 5200 Series

## The grade 1 solution with horizontal adjustability

*Shown with 501 Option*

The 5200 series electric strikes feature an in-frame horizontal adjustable design to simplify the installation process. This feature allows the installer to easily adjust the electric strike opening to accommodate the horizontal position of the latchbolt after the strike has been installed. This field selectable fail secure/fail safe unit is easy to install and accommodates latchbolts up to 3/4" throw.



### Specifications

- UL 1034, burglary-resistant listed
- ANSI/BHMA A156.31, Grade 1
- Patent: 5,934,720

### Frame Application

- Metal
- Wood

### Electrical

- .24 Amps @ 12VDC/VAC
- .12 Amps @ 24VDC/VAC
- DC continuous duty/ AC intermittent duty only

## 5200 Models

### 5200

Universal electric strike  
Faceplate options ordered separately, see page 26

### 5200C

Complete electric strike  
Includes the 501 and 501A faceplates in the box



Model 5200C includes a 501 and a 501A faceplate in the box

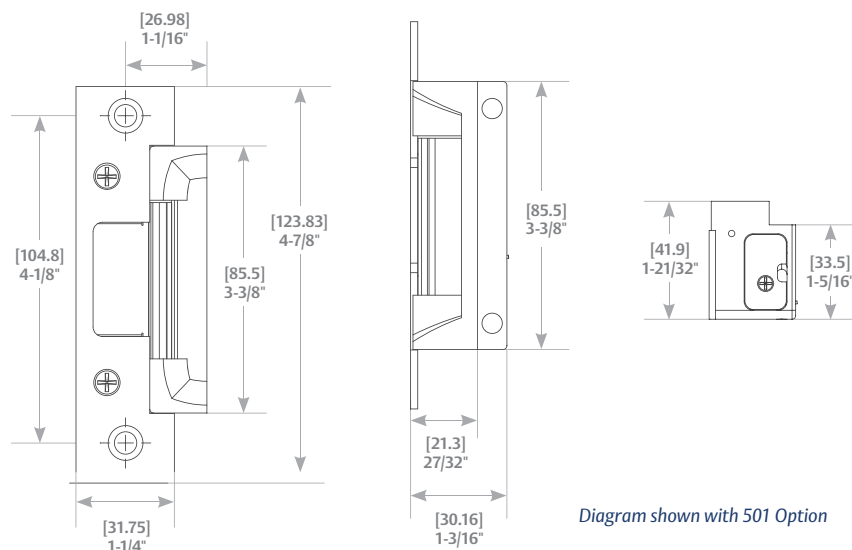


Diagram shown with 501 Option

### Standard Features

- Tamper resistant
- Static strength 1,500 lbs.
- Dynamic strength 70 ft-lbs.
- Endurance 500,000 cycles
- Field selectable fail secure/ fail safe
- Dual voltage 12 or 24 VDC/VAC
- In-frame horizontal adjustment
- Non-handed
- Internally mounted solenoid
- Accommodates 5/8" - 3/4" latchbolt (3/4" with 1/8" door gap)
- Strike body depth 1-3/16"
- Plug-in connector
- Trim enhancer included
- Five-year limited warranty

### Optional Features

- LBM » Latchbolt monitor
- LBSM » Latchbolt strike monitor

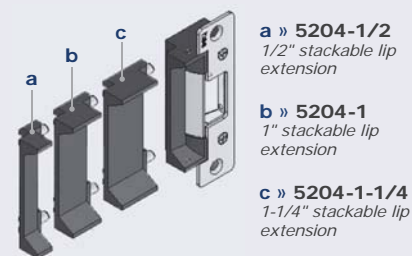
### Accessories

- 5200-500 » Filler block for retro-fit applications
- 150 » Strike latch guard
- 154-MTK » Metal template kit
- 2001M » Plug-in bridge rectifier
- 2004M » ElectroLynx® adapter
- 2005M3 » SMART Pac® III
- 2006M » Plug-in buzzer
- 5204-1/2 » 1/2" stackable lip extension
- 5204-1 » 1" stackable lip extension
- 5204-1-1/4 » 1-1/4" stackable lip extension

### Finishes

- 630 » Satin stainless steel
- 605 » Bright brass
- 606 » Satin brass
- 612 » Satin bronze
- 613 » Bronze toned
- 629 » Bright stainless steel
- BLK » Black

\*Complete Pacs are only available in the 630 finish



**a » 5204-1/2**  
1/2" stackable lip extension

**b » 5204-1**  
1" stackable lip extension

**c » 5204-1-1/4**  
1-1/4" stackable lip extension



CYLINDRICAL  
LOCKSETS



SPECIALTY  
LOCKSETS



FIELD SELECTABLE  
(12 OR 24VDC)



FIELD SELECTABLE  
(FAIL SECURE/FAIL SAFE)



GRADE 1















UL 1034  
BURGLARY LISTED

**hes**  
ASSA ABLOY

# 5000/5200 Series Faceplate Options



**Operation:** After releasing the latchbolt, the keeper returns to the locked position

 <p>4-7/8" x 1-1/4"</p> <p>Square corners and flat faceplate</p>	<p><b>501 Option</b></p> <p><b>For use with:</b> Cylindrical locksets in ANSI metal jambs</p> <p>» ANSI/BHMA Numbers: E09321, E09322, E09323</p>	
 <p>4-7/8" x 1-1/4"</p> <p>Radius corners and flat faceplate</p>	<p><b>501A Option</b></p> <p><b>For use with:</b> Cylindrical locksets or spring latches used in aluminum frames. Includes universal mounting tabs.</p> <p>» ANSI/BHMA Numbers: E09321, E09322, E09323</p>	 
 <p>7-15/16" x 1-7/16"</p> <p>Radius corners and flat faceplate</p>	<p><b>502 Option</b></p> <p><b>For use with:</b> Cylindrical locksets or spring latches used in aluminum frames. Includes universal mounting tabs.</p> <p>» ANSI/BHMA Numbers: E09321, E09322, E09323</p>	 
 <p>6-7/8" x 1-1/4"</p> <p>Radius corners and flat faceplate</p>	<p><b>503 Option</b></p> <p><b>For use with:</b> Cylindrical locksets or spring latches used in aluminum frames. Includes universal mounting tabs.</p> <p>» ANSI/BHMA Numbers: E09321, E09322, E09323</p>	 
 <p>10" x 1-3/8"</p> <p>Radius corners and flat faceplate</p>	<p><b>504 Option</b></p> <p><b>For use with:</b> Cylindrical locksets. Four-point mounting for wood installations</p> <p>» ANSI/BHMA Numbers: E09321, E09322, E09323</p>	



# HES raises the bar again with new outdoor ratings



We exposed our electric strikes to the elements, and they passed the test. They are the same great strikes you've been using for years, now with an outdoor rating from UL.

The following electric strike series are now rated suitable for outdoor use:



**1006 Series** – The Strongest, Most Versatile Electric Strikes Available.  
Choose from the 1006 electric strike or the Complete Pac, 1006CS – Smart Strike™, 1006CLB – Complete Latchbolt or the 1006CDB - Complete Deadbolt locking solutions.



**5000 Series** – The grade 1, low profile solution for all cylindrical locksets.  
Choose the 5000 or the Complete Pac 5000C which includes two faceplates and mounting hardware in a single package.



**Concealed Electric Strikes**  
**8000, 8300 and 8500 Series** – The concealed, no-cut solution for all cylindrical and mortise locksets.  
Choose from the 8000 concealed solution for cylindrical locksets, 8300 concealed, fire-rated solution or the 8500 concealed, fire-rated solution for mortise locksets. We also offer the 8000C and the 8300C which come complete with faceplates and mounting hardware.



**Surface Mounted Electric Strikes**  
**9400, 9500 and 9600 Series** – Choose from the 9400 slim-line electric strike for 1/2" mortise exit devices.  
Or, for 3/4" rim exit devices, choose from the 9500, fire-rated electric strike or the 9600 surface mounted, windstorm rated version.

[hesinnovations.com](http://hesinnovations.com)

ASSA ABLOY, the global leader in door opening solutions



Watch for this icon throughout the catalog and on packaging.

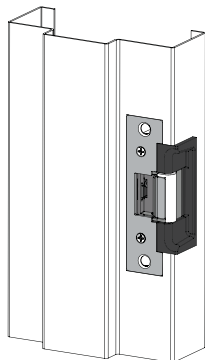


The 7000 Series is also available in a **Complete One Box Solution**

# 7000 Series

The dual pre-load solution for cylindrical latch bolts and rim exit devices

Offers two solutions to address pre-loaded doors. The in-frame adjustable feature allows the installer to easily adjust the electric strike opening to accommodate the horizontal position of the latchbolt after installation. The pre-load release function allows the electric strike to operate smoothly throughout the year under varying loads on the door caused by air-conditioning pressure, changes in the weather, warped doors or doors with weather stripping that often bind standard electric strikes. This unit accommodates cylindrical latchbolts up to 5/8" throw and rim exit latchbolts up to 3/4" throw.



## Specifications

- UL 1034, burglary-resistant listed
- ANSI BHMA A156.31, Grade 1 (791 and 792 options)
- ANSI/BHMA A156.31, Grade 2 (783S, 786S, and 789S options)
- MEA New York City accepted

## Frame Application

- Metal
- Wood

## Electrical

- .45 Amps @ 12VDC continuous duty
- .25 Amps @ 24VDC continuous duty

## 7000 Models

### 7000

Universal electric strike  
Faceplate options ordered separately, see page 30

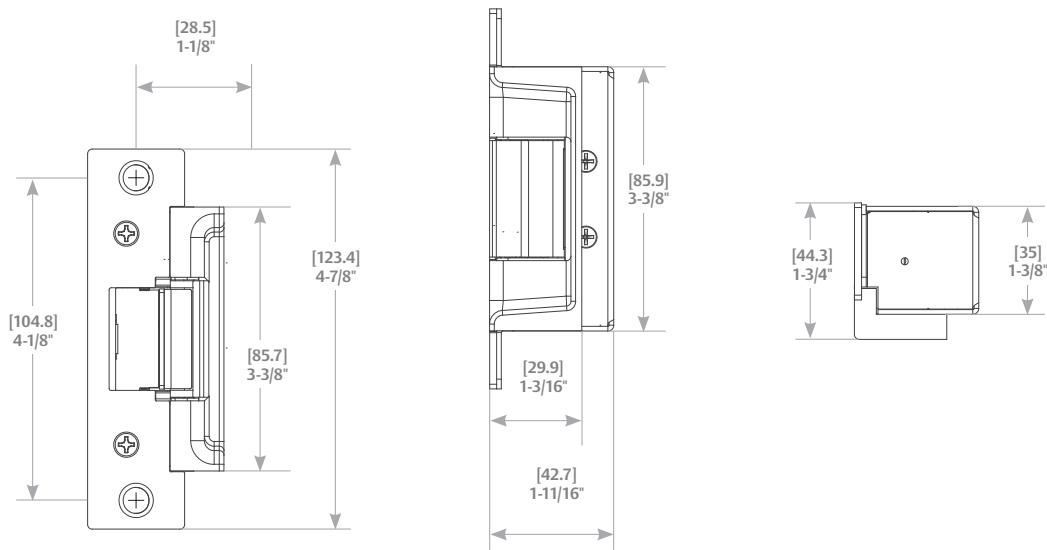
### 7000C\*

Complete electric strike  
Includes the 791 and 792 faceplates in the box



Model 7000C includes a 791 and a 792 faceplate in the box

\*Complete Pac is for cylindrical latchbolt only



### Standard Features

- Stainless steel construction
- Tamper resistant
- Static strength 1,500 lbs. (791 and 792 options)
- Dynamic strength 70 ft-lbs. (791 and 792 options)
- Static strength 1,000 lbs. (783S, 786S, and 789S options)
- Dynamic strength 50 ft-lbs. (783S, 786S, and 789S options)
- Endurance 500,000 cycles
- Field selectable fail secure/fail safe
- Accommodates pre-load (fail secure only)
- Horizontal adjustment
- Non-handed
- Internally mounted solenoid
- Strike body depth 1-11/16"
- Plug-in connector
- Trim enhancer (791 and 792 options)
- Pocket adapter (786S and 789S options)
- Three-year limited warranty

### Optional Features

- **LBM** » Latchbolt monitor

### Accessories

- SMB** » Surface mounting box (783S and 789S options)
- 7000-104** » Lip extension trim adapter
- 7000-105** » Trim enhancer (goof plate)
- 7000-106** » Keeper pocket adapter
- 7000-107** » Full keeper shim pack
- 7000-108** » 1/8" spacer plate (783S and 789S options, black finish only)
- 7000-110** » Replacement strike plate (791 and 792 option)
- 150** » Strike latch guard
- 154-MTK** » Metal template kit
- 2001M** » Plug-in bridge rectifier
- 2004M** » ElectroLynx® adapter
- 2005M3** » SMART Pac® III
- 2006M** » Plug-in buzzer

### Finishes

(791 and 792 options)

- 630** » Satin stainless steel
- 605** » Bright brass
- 606** » Satin brass
- 612** » Satin bronze
- 613C** » Brown nylon powder coated
- 629** » Bright stainless steel
- BLK** » Black

*\*Complete Pacs are only available in the 630 finish*

### Finishes

(783S, 786S and 789S options)

- 613C** » Brown nylon powder coated
- 626** » Brushed chrome



CYLINDRICAL  
LOCKSETS



RIM EXIT DEVICES



FIELD SELECTABLE  
(FAIL SECURE/FAIL SAFE)









UL 1034  
BURGLARY LISTED



# 7000 Series Faceplate Options












**Operation:** After releasing the latchbolt, the keeper returns to the locked position

 <p>4-7/8" x 1-1/4"</p>	<p><b>791 Option</b>  <b>For use with:</b> Cylindrical locksets up to 5/8" throw                  » ANSI/BHMA Numbers: E09321, E09322, E09323</p>	  <p>GRADE 1</p>
 <p>7-15/16" x 1-7/16"</p>	<p><b>792 Option</b>  <b>For use with:</b> Cylindrical locksets up to 5/8" throw                  » ANSI/BHMA Numbers: E09321, E09322, E09323</p>	  <p>GRADE 1</p>



**Operation:** After releasing pullman latch, the keeper returns to the locked position

 <p>9" x 1-3/4" x 11/16"</p>	<p><b>783S Option</b>  <b>For use with:</b> Rim exit devices in metal jambs with up to a 3/4" pullman latch  <b>Compatible locksets:</b> American Device, Arrow, Dor-O-Matic, Monarch, Precision, Sargent, Von Duprin, Yale                  » ANSI/BHMA Numbers: E09311, E09312, E09313</p>	  <p>GRADE 2</p>
 <p>6-1/2" x 1-3/4" x 1/2"</p>	<p><b>786S Option</b>  <b>For use with:</b> Rim exit devices in aluminum jambs and surface mounted vertical rod exit devices with up to a 3/4" pullman latch  <b>Compatible locksets:</b> American Device, Arrow, Dor-O-Matic, Jackson, Monarch, Precision, Sargent, Von Duprin, Yale                  » ANSI/BHMA Numbers: E09311, E09312, E09313</p>	  <p>GRADE 2</p>
 <p>9" x 1-3/4" x 1/2"</p>	<p><b>789S Option</b>  <b>For use with:</b> Rim exit devices in aluminum jambs with up to a 3/4" pullman latch. Includes keeper pocket adapter.  <b>Compatible locksets:</b> American Device, Arrow, Dor-O-Matic, Jackson, Monarch, Precision, Sargent, Von Duprin, Yale                  » ANSI/BHMA Numbers: E09311, E09312, E09313</p>	  <p>GRADE 2</p>





**Cleaner power.**

So when opportunity knocks, the  
door will definitely open.

**AccuPower™**

**SECURITRON ACCUPOWER™ DELIVERS CLEAN POWER TO ACCESS CONTROL DEVICES FOR BETTER PERFORMANCE.**

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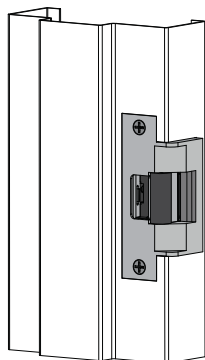
**GO TO [SECURITRON.COM](http://SECURITRON.COM) OR CALL 800.624.5625 FOR MORE DETAILS.**

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Shown with 7501 Option

The 7500 series electric strike is ideal for fire rated applications with pre-load conditions caused by a warped or misaligned door, weather stripping, a smoke seal or any other condition that could cause door bind. The heavy duty stainless steel construction provides the strength and durability required to accommodate fire rated latchbolts up to 3/4" throw.



# 7500 Series

## The grade 1, fire-rated pre-load solution

### Specifications

- UL 10C fire-rated, 3 hour (fail secure only)
- CAN4-S104 (ULC-S104) fire door conformant
- UL 1034, burglary-resistant listed
- ANSI/BHMA A156.31, Grade 1
- NFPA-252 fire door conformant
- ASTM-E152 fire door conformant

- MEA New York City accepted

### Frame Application

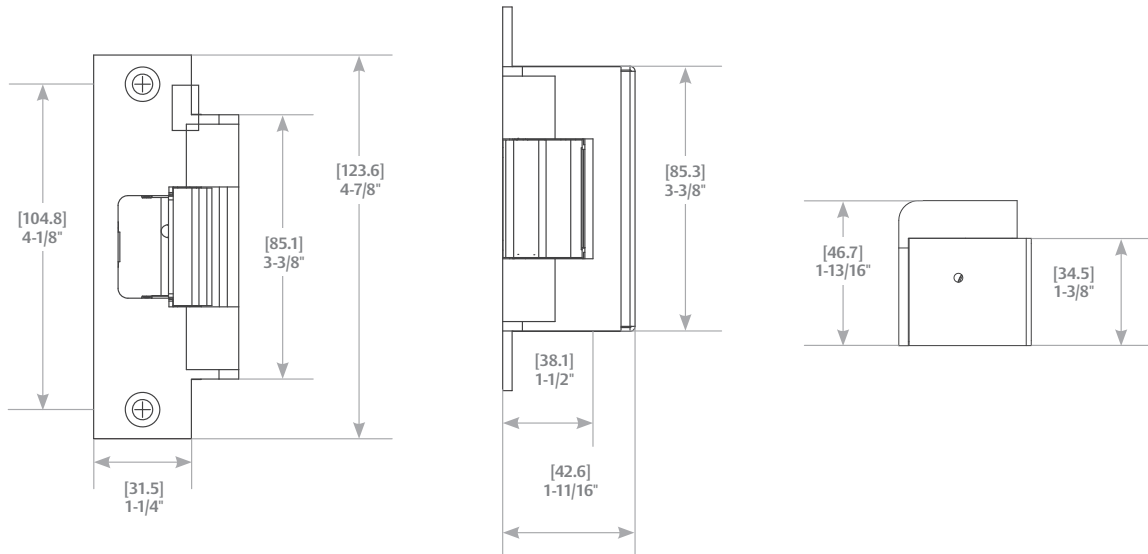
- Metal
- Wood

### Electrical

- .45 Amps @ 12VDC continuous duty
- .25 Amps @ 24VDC continuous duty

### What is Preload?

Simply stated, door preload is pressure exerted on a door, that is transferred to the keeper of the electric strike by the latch. A number of conditions can cause door preload including pressure from HVAC systems, thick door seals or heavy weatherstripping, misaligned, damaged, bent, warped doors, or user anticipation. When pressure is applied to some models of electric strikes, the keeper may not release because the pressure binds it against the latch. Door preload can prevent the smooth unlocking of the electric strike or even disable it—preventing the door from being opened.



### Standard Features

- Stainless steel construction
- Tamper resistant
- Static strength 1,500 lbs.
- Dynamic strength 70 ft-lbs.
- Endurance 500,000 cycles
- Field selectable fail safe/fail secure
- Accommodates pre-load (fail secure only)
- Non-handed
- Internally mounted solenoid
- Strike body depth 1-11/16"
- Plug-in connector

- Trim enhancer
- Five-year limited warranty

### Optional Features

- **LBM** » Latchbolt monitor

### Accessories

- 150** » Strike latch guard
- 154-MTK** » Metal template kit
- 2001M** » Plug-in bridge rectifier
- 2004M** » ElectroLynx® adapter
- 2005M3** » SMART Pac® III
- 2006M** » Plug-in buzzer

### Finishes

- 630** » Satin stainless steel
- 605** » Bright brass
- 606** » Satin brass
- 612** » Satin bronze
- 613** » Bronze toned
- 629** » Bright stainless steel



**Operation:** After releasing the latchbolt, the keeper returns to the locked position.



4-7/8" x 1-1/4" x 1-11/16"

### 7501 Option

**For use with:** Cylindrical locksets with up to a 3/4" throw

» ANSI/BHMA Numbers: E09321, E09322, E09323



CYLINDRICAL LOCKSETS



FIELD SELECTABLE (FAIL SECURE / FAIL SAFE)



FIRE RATED



GRADE 1



UL 1034 BURGULARY LISTED

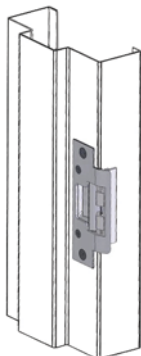
**hes**  
ASSA ABLOY



The 8000 Series is also available in a Complete One Box Solution

*Shown with 801 Option*

The 8000 series is a compact, high performance electric strike featuring a unique concealed design for use with cylindrical locksets. No cutting on the frame is required. Simply remove the existing strike plate, adjust the vertical alignment feature to the latchbolt centerline, and install. Its strength is derived from a unique keeper pin locking design, enabling the 8000 to exceed the ratings of the frame, door and locking hardware. This field selectable fail secure/fail safe unit is easy to install and accommodates latchbolts up to 5/8" throw.



# 8000 Series

## The concealed electric strike solution for cylindrical locksets

### Specifications

- UL 1034, burglary-resistant listed and suitable for outdoor use
- ANSI/BHMA A156.31, Grade 1
- Patents: 5,934,720; 8,146,966; 8,157,302; 8,465,067

### Electrical

- .24 Amps @ 12VDC/VAC
- .12 Amps @ 24VDC/VAC
- DC continuous duty/ AC intermittent duty only

### Frame Application

- Metal
- Wood

## 8000 Models

### 8000

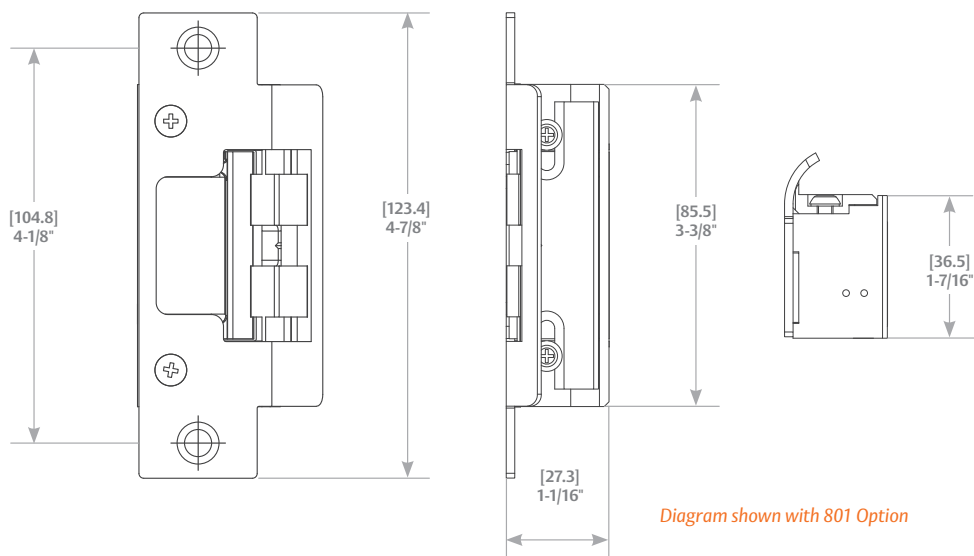
Universal electric strike  
Faceplate options ordered separately, see page 38

### 8000C

Complete electric strike  
Includes the 801 and 801A faceplates in the box



Model 8000C includes a 801 and a 801A faceplate in the box



### Standard Features

- No cutting on frame required
- Vertical adjustability to accommodate door sag and misalignment
- Tamper resistant
- Static strength 1,500 lbs.
- Dynamic strength 70 ft-lbs.
- Endurance 500,000 cycles
- Field selectable fail safe/fail secure
- Dual voltage 12 or 24 VDC/VAC
- Non-handed
- Internally mounted solenoid
- Accommodates 1/2" – 5/8" cylindrical latchbolt (5/8" with 1/8" door gap)

- Strike body depth 1-1/16"
- Strike body width 1-7/16"
- Five-year limited warranty

### Optional Features

- **LBM** » Latchbolt monitor

### Accessories

- 2001M** » Plug-in bridge rectifier
- 2004M** » ElectroLynx® adapter
- 2005M3** » SMART Pac® III
- 2006M** » Plug-in buzzer

### Finishes

- 630** » Satin stainless
- 605** » Bright brass
- 606** » Satin brass
- 612** » Satin bronze
- 613** » Bronze toned
- 629** » Bright stainless steel
- BLK** » Black

\*Complete Pacs are only available in the 630 finish



CYLINDRICAL  
LOCKSETS



FIELD SELECTABLE  
(12 OR 24VDC)



FIELD SELECTABLE  
(FAIL SECURE / FAIL SAFE)



GRADE 1



OUTDOOR RATED



UL 1034  
BURGLARY LISTED

**hes**  
ASSA ABLOY



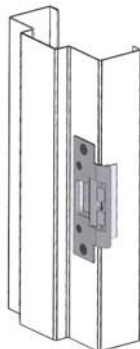
The 8300 Series is also available in a **Complete One Box Solution**

# 8300 Series

## The fire-rated, concealed solution for cylindrical locksets

*Shown with 801 Option*

The 8300 series is a fire rated, compact, high performance electric strike featuring a unique concealed design for use with cylindrical locksets. No cutting on the frame is required. Simply remove the existing strike plate, adjust the vertical alignment feature to the latchbolt centerline, and install. Its strength is derived from a unique keeper pin locking design, enabling the 8300 to exceed the ratings of the frame, door and locking hardware. This unique electric strike is easy to install and complies with NFPA 80-07 guidelines for retrofit into fire-rated frames. The 8300 accommodates latchbolts up to 5/8" throw.



### Specifications

- UL 10C fire-rated, 3 hour (fail secure only)
- CAN4-S104 (ULC-S104) fire door conformant
- NFPA 80-07 compliant
- UL 1034, burglary-resistant listed and suitable for outdoor use
- ANSI/BHMA A156.31, Grade 1
- NFPA-252 fire door conformant
- ASTM-E152 fire door conformant

- Patents: 5,934,720; 8,146,966; 8,157,302; 8,465,067

### Frame Application

- Metal
- Wood

### Electrical

- .24 Amps @ 12VDC/VAC
- .12 Amps @ 24VDC/VAC
- DC continuous duty/ AC intermittent duty only

## 8300 Models

### 8300

Universal electric strike  
Faceplate options ordered separately, see page 38

### 8300C

Complete electric strike  
Includes the 801 and 801A faceplates in the box



Model 8300C includes a 801 and a 801A faceplate in the box

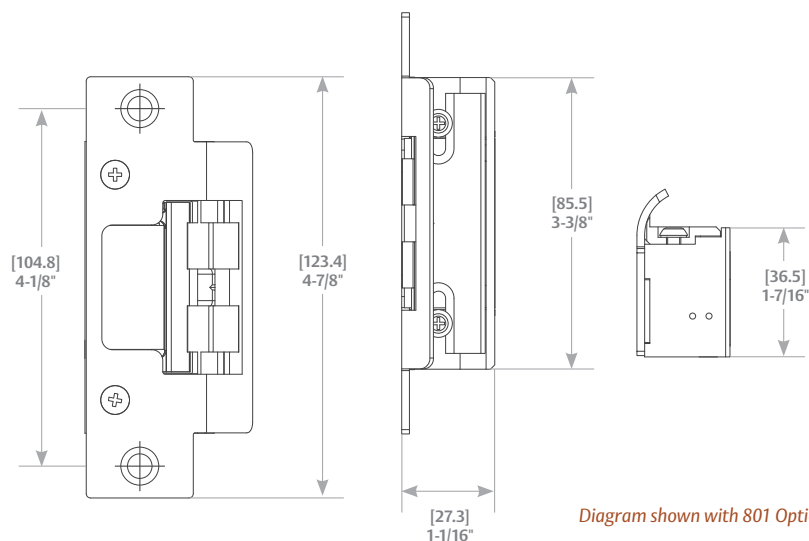


Diagram shown with 801 Option

### Standard Features

- Falls within the guidelines for retrofit into fire-rated frames
- No cutting on frame required
- Vertical adjustability to accommodate door sag and misalignment
- Tamper resistant
- Static strength 1,500 lbs.
- Dynamic strength 70 ft-lbs.
- Endurance 500,000 cycles
- Field selectable fail safe/fail secure
- Non-handed

- Accommodates 1/2" – 5/8" cylindrical latchbolt (5/8" with 1/8" door gap)
- Strike body depth 1-1/16"
- Plug-in connector
- Five-year limited warranty

### Optional Features

- LBM » Latchbolt monitor

### Accessories

- 2001M » Plug-in bridge rectifier
- 2004M » ElectroLynx® adapter
- 2005M3 » SMART Pac® III
- 2006M » Plug-in buzzer

### Finishes

- 630 » Satin stainless steel
- 605 » Bright brass
- 606 » Satin brass
- 612 » Satin bronze
- 613 » Bronze toned
- 629 » Bright stainless steel
- BLK » Black

\*Complete Pacs are only available in the 630 finish

CYLINDRICAL  
LOCKSETSFIELD SELECTABLE  
(12 OR 24VDC)FIELD SELECTABLE  
(FAIL SECURE / FAIL SAFE)

FIRE RATED



GRADE 1



OUTDOOR RATED













UL 1034  
BURGLARY LISTED

**hes**  
ASSA ABLOY

# 8000/8300 Series Faceplate Options



**Operation:** After releasing the latchbolt, the keeper returns to the locked position

 <p>4-7/8" x 1-1/4"</p>	<p><b>801 Option</b></p> <p><b>For use with:</b> Cylindrical locksets in ANSI metal jambs, with latchbolts up to 5/8" throw</p> <p>» ANSI/BHMA Numbers: E05031, E09321, E09322, E09323</p>	
 <p>4-7/8" x 1-1/4"</p> <p><i>Radius corners and flat faceplate</i></p>	<p><b>801A Option</b></p> <p><b>For use with:</b> Cylindrical locksets with latchbolts up to 5/8" throw. Includes universal mounting tabs. Aluminum frames.</p> <p>» ANSI/BHMA Numbers: E05031, E09321, E09322, E09323</p>	
 <p>4-7/8" x 1-1/4"</p> <p><i>Extended lip</i></p>	<p><b>801E Option</b></p> <p><b>For use with:</b> Extended lip for 'knock-down' style frame installations. For use with cylindrical latchbolts up to 5/8" throw.</p> <p>» ANSI/BHMA Numbers: E05031, E09321, E09322, E09323</p>	
 <p>7-15/16" x 1-7/16"</p>	<p><b>802 Option</b></p> <p><b>For use with:</b> Cylindrical locksets with latchbolts up to 5/8" throw. Includes universal mounting tabs. Aluminum frames.</p> <p>» ANSI/BHMA Numbers: E05031, #E09321, E09322, E09323</p>	
 <p>6-7/8" x 1-1/4"</p> <p><i>Radius corners and flat faceplate</i></p>	<p><b>803 Option</b></p> <p><b>For use with:</b> Cylindrical locksets with latchbolts up to 5/8" throw. Includes universal mounting tabs. Aluminum frames.</p> <p>» ANSI/BHMA Numbers: E05031, E09321, E09322, E09323</p>	
 <p>9" x 1-3/8"</p> <p><i>Radius corners and flat faceplate</i></p>	<p><b>805 Option</b></p> <p><b>For use with:</b> Cylindrical locksets. For use with latchbolts up to 5/8" throw. Four point mounting for wood installations.</p> <p>» ANSI/BHMA Numbers: #E05031, #E09321, #E09322, #E09323</p>	



# Reduce your install time by evaluating your opening

The 8000/8300 can be adjusted to compensate for frame and door irregularities. Sometimes, adjusting the frame and door back to industry standards is just not an option. Here are some tips to quickly compensate for frame twist and determine the condition of the latch bolt.

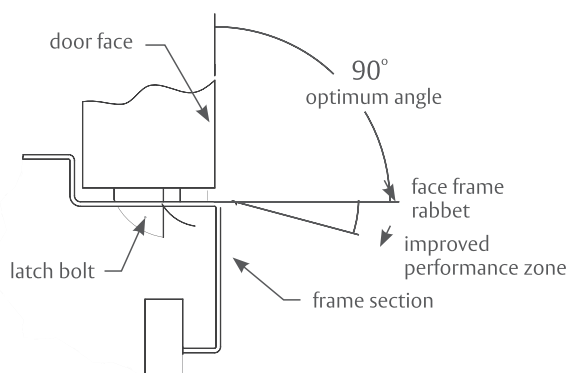


Figure 1

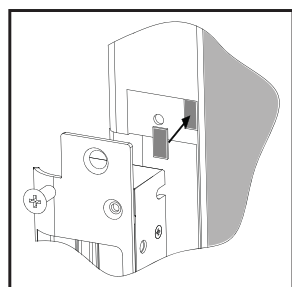


Figure 2

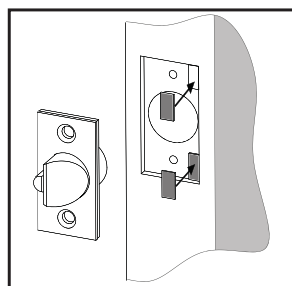


Figure 3

## Measure Frame Twist

One way to measure frame twist is to place a carpenter square on the stop and the face of the door. If the angle is less than 90 degrees, the 45 degree ramp angle of the 8000/8300 is steepened and may need to be corrected as shown at right (*Figure 1*).

We recommend you check the condition of the latch bolt prior to installing the 8000/8300. Poorly constructed, worn out or damaged latch bolts may not slide along a ramp at any angle. To check the condition of your latch bolt, we recommend applying a slight force to the tip of the latch bolt (about 45 degrees to the door face). Make sure the latch bolt can be pushed up into the door.

## Compensate for Frame Twist

When a frame is twisted, the relationship between the face of a closed door and of the inside face of the frame (i.e., Rabbet) may not meet the 90 degree industry standard. Untrue frames and doors impact latch bolt wear and the force required to exit, so we recommend you ensure that the angle is between 90–95 degrees.

If manipulating the frame is not possible, we recommend placing several shims under the top and bottom (stop side) of the faceplate (*Figure 2*). This effectively increases the 8000/8300 ramp angle and compensates for frame twist. You can also compensate for frame twist by placing shims under the top and bottom (bevel side) of the latchbolt (*Figure 3*).



The 8500 series is a fire rated, compact, high performance electric strike featuring a unique concealed design for use with mortise locksets without a deadbolt. Designed for fast, convenient installation, the 8500 installs with little or no modification to the frame. Simply remove the existing strike plate, remove the dust box and install. Its strength is derived from a unique keeper pin locking design, enabling the 8500 to exceed Grade-1 ratings. This unique electric strike complies with NFPA 80-07 guidelines for retrofit into fire-rated frames. The 8500 accommodates mortise latchbolts up to 3/4" throw.

# 8500 Series

The fire-rated,  
concealed  
electric strike  
solution for  
mortise locksets

## Specifications

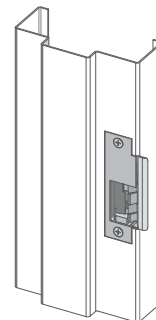
- UL 10C-fire-rated, 3 hour single-door fire (fail secure only)
- CAN4-S104 (ULC-S104) fire door conformant
- NFPA 80-07 Compliant
- UL 1034 burglary-resistant listed and suitable for outdoor use
- ANSI/BHMA A156.31, Grade 1
- NFPA -252 fire door conformant
- ASTM-E152 fire door conformant
- Patent: 5,934,720

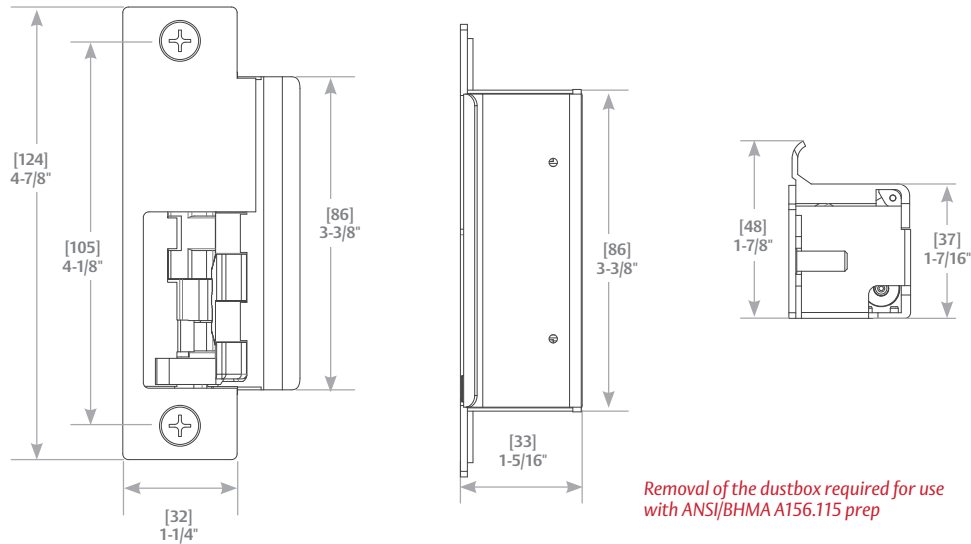
## Frame Application

- Metal
- Wood

## Electrical

- .24 Amps @ 12 VDC/VAC
- .12 Amps @ 24VDC/VAC
- DC continuous duty/AC intermittent duty only





Removal of the dustbox required for use with ANSI/BHMA A156.115 prep

### Standard Features

- No cutting to the face of the frame
- Stainless steel construction
- Tamper resistant
- Static strength 1,500 lbs.
- Dynamic strength 70 ft-lbs.
- Endurance 500,000 cycles
- Field selectable fail safe/ fail secure
- Dual voltage 12 or 24 VDC/VAC
- Non-handed
- Metal or wood frame
- Internally mounted solenoid
- Accommodates 3/4" mortise latchbolts

- Strike body depth 1-5/16"
- Plug-in connector
- Full pocket shims for horizontal adjustment
- Five-year limited warranty

### Optional Features

- **LBM** » Latchbolt Monitor
- **LBSM** » Latchbolt Strike Monitor
- 4 faceplate option kits to work with most mortise locksets, see page 42

### Accessories

- 150 » Strike latch guard
- 2001M » Plug-in bridge rectifier
- 2004M » ElectroLynx® adapter
- 2005M3 » SMART Pac® III
- 2006M » Plug-in buzzer

### Finishes

- 630 » Satin stainless steel
- 605 » Bright brass
- 606 » Satin brass
- 612 » Satin bronze
- 613 » Bronze toned
- 629 » Bright stainless steel



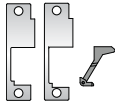
## 8500 Series Faceplate Option Kits

The 8500 faceplate options kits combine two different faceplate pocket styles with three different deadlatch platform profiles for compatibility with a wide variety of mortise locksets. HES 8500 faceplate option kits

are lock specific. There are two faceplates included in each kit: a standard faceplate and a faceplate with a wider pocket to address less-than-ideal sagging door conditions.



**Operation:** After release, the keeper returns to the locked position



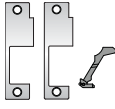
4-7/8" x 1-1/4"

### 851M Option

**For use with:** Mortise locksets

**Compatible locksets:** Sargent 8100, 8200, 9200

» ANSI/BHMA Numbers: E05031, E09321, E09322, E09323



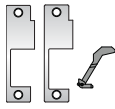
4-7/8" x 1-1/4"

### 852K Option

**For use with:** Mortise locksets

**Compatible locksets:** Corbin Russwin ML 2000

» ANSI/BHMA Numbers: E05031, E09321, E09322, E09323



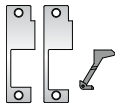
4-7/8" x 1-1/4"

### 852L Option

**For use with:** Mortise locksets

**Compatible locksets:** Schlage L9000

» ANSI/BHMA Numbers: E05031, E09321, E09322, E09323



4-7/8" x 1-1/4"

### 852M Option

**For use with:** Mortise locksets

**Compatible locksets:** Yale 8700 (manufactured after 2005) & 8800, Accurate, Falcon, Kaba Ilco/Unican

» ANSI/BHMA Numbers: E05031, E09321, E09322, E09323

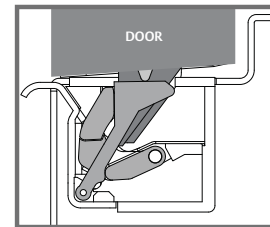


## Get to Know the HES 8500

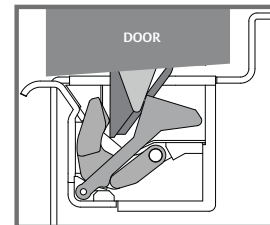
The HES 8500 concealed electric strike for mortise locksets builds on the tradition of ground-breaking design you've come to know in the 8000 series concealed electric strike family. It has a unique design unlike

any electric strike on the market today. It's important to understand the extraordinary design of the 8500, so that you can correctly install and operate it.

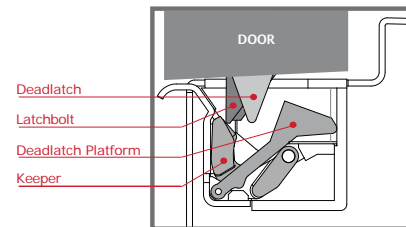
When the door is closed, the mortise latchbolt is held secure by the 8500 keeper. A 'deadlatch platform' insert holds the deadlatch in its locked state. Place the deadlatch platform into one of three locations in the strike as appropriate for the type of mortise lockset.



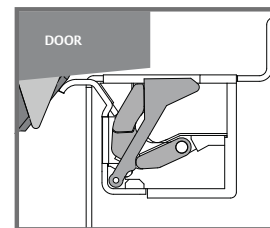
When the electric strike is energized, the keeper begins to rotate and the deadlatch platform falls away, allowing the deadlatch to drop and the latchbolt to become unguarded.



As the door moves forward, the latchbolt slides first along the keeper and then up the internal ramp.



As the door continues along its arc away from the frame, the latchbolt and deadlatch exit the 8500, which quickly returns to its locked state.





The 9400 series Genesis™ is a slim-line, surface mounted electric strike designed to accommodate rim exit devices with a 1/2" throw latchbolt. All components are completely encased within its 1/2" thick stainless steel housing, so no cutting on the frame is required for installation. Simply place the electric strike on the surface of the frame, align it with the exit latchbolt, and install.

An 1/8" spacer plate is provided to accommodate varying door gaps. The 9400 exceeds Grade-1 standards for strength and performance. It is field selectable for fail secure and fail safe operation, and for 12 or 24VDC. The 9400 features a smooth cover to conceal the mounting screws and provide a sleek surface for superior looks.

# 9400 Series

## The slim-line, surface mounted solution

### Specifications

- UL1034 burglary-resistant rated and suitable for outdoor use
- ANSI/BHMA, A156.31 Grade 1
- Patents: 6,390,520; 8,454,063
- Patent Pending

### Frame Application

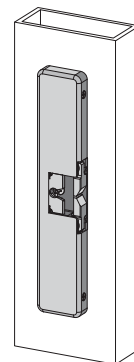
- Metal
- Wood

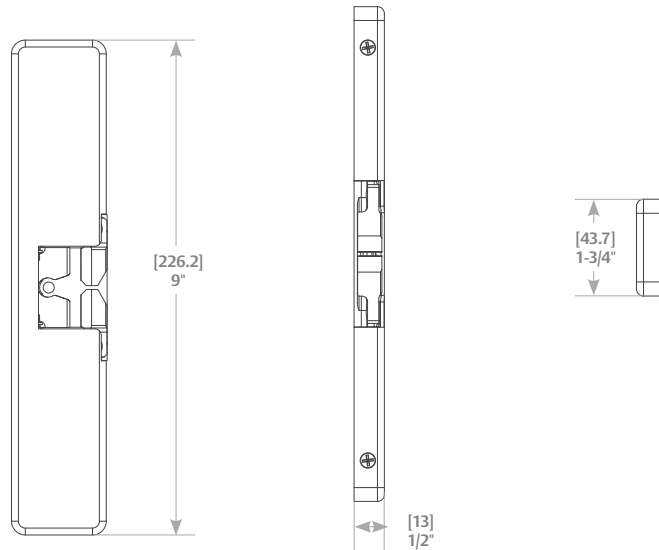
### Electrical

- .45 Amps @ 12VDC continuous duty
- .25 Amps @ 24VDC continuous duty

### Spacer Plate Included

The 9400 ships with one 1/8" spacer plate included in the box. Units ordered in a 630 finish are stainless steel. All other finishes have a black stainless steel spacer. Additional black spacer plates can be ordered as an accessory.





### Standard Features

- Completely surface mounted
- One 1/8" spacer plate included
- Decorative cover for sleek new look
- Stainless steel construction
- Tamper resistant
- Static strength 1,500 lbs.
- Dynamic strength 70 ft-lbs.
- Endurance 500,000 cycles
- Field selectable fail safe/fail secure
- Dual voltage 12 or 24VDC
- Horizontal adjustment
- Non-handed
- Internally mounted solenoid

- Accommodates up to 1/2" Pullman latch
- Five-year limited warranty

### Optional Features

- **LBM** » Latchbolt monitor
- **LBSM** » Latchbolt strike monitor

### Accessories

- 9400/9500/9600-108** » Spacer plate (black or 630 finish)
- SMB** » Surface mounting box
- 2001M** » Plug-in bridge rectifier
- 2004M** » ElectroLynx® adapter
- 2005M3** » SMART Pac® III
- 2006M** » Plug-in buzzer

### Finishes

- 630** » Satin stainless steel
- 605** » Bright brass
- 606** » Satin brass
- 612** » Satin bronze
- 613** » Bronze toned
- 629** » Bright stainless steel



RIM EXIT DEVICES

FIELD SELECTABLE  
(12 OR 24VDC)FIELD SELECTABLE  
(FAIL SECURE / FAIL SAFE)

GRADE 1



OUTDOOR RATED

UL 1034  
BURGLARY LISTED



The 9500 series Genesis™ is a 3 hour fire rated, surface mounted electric strike designed to accommodate rim exit devices with a 3/4" throw latchbolt. All components are completely encased within its 3/4" thick stainless steel housing, so no cutting on the frame is required for installation. Simply place the electric strike on the surface of the frame, align it with the exit latchbolt and install.

The 9500 exceeds grade-1 standards for strength and performance. It is field selectable for fail secure and fail safe operation, and for 12 or 24VDC. This unique electric strike complies with NFPA 80-07 guidelines for retrofit into fire-rated frames.

# 9500 Series

## The surface mounted, fire-rated solution

### Specifications

- UL 10C fire-rated, 3 hour (fail secure only)
- CAN4-S104 (ULC-S104) fire door conformant
- WHI fire door listed
- UL1034, burglary-resistant listed and suitable for outdoor use
- ANSI/BHMA A156.31, Grade 1
- NFPA-252 fire door conformant
- ASTM-E152 fire door conformant

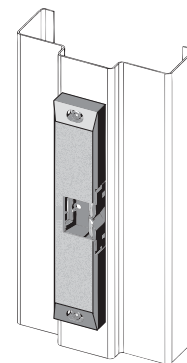
- California Fire Marshall listed
- NFPA 80-07 compliant
- Patent: 6,390,520

### Frame Application

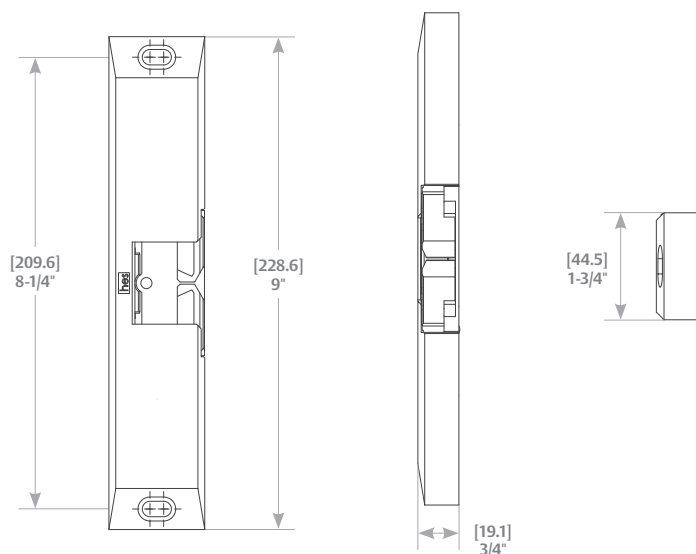
- Metal
- Wood

### Electrical

- .45 Amps @ 12VDC continuous duty
- .25 Amps @ 24VDC continuous duty







### Standard Features

- Completely surface mounted
- Stainless steel construction
- Tamper resistant
- Static strength 1,500 lbs.
- Dynamic strength 70 ft-lbs.
- Endurance 1,000,000 cycles
- Field selectable fail safe/fail secure
- Dual voltage 12 or 24VDC
- Horizontal adjustment
- Non-handed
- Internally mounted solenoid
- Accommodates up to 3/4" Pullman latch
- Five-year limited warranty

### Optional Features

- **LBM** » Latchbolt monitor
- **LBSM** » Latchbolt strike monitor

### Accessories

- 9400/9500/9600-108** » Spacer plate (black or 630 finish)
- SMB** » Surface mounting box
- 2001M** » Plug-in bridge rectifier
- 2004M** » ElectroLynx® adapter
- 2005M3** » SMART Pac® III
- 2006M** » Plug-in buzzer

### Finishes

- 630** » Satin stainless steel
- 605** » Bright brass
- 606** » Satin brass
- 612** » Satin bronze
- 613** » Bronze toned
- 629** » Bright stainless steel



RIM EXIT DEVICES

FIELD SELECTABLE  
(FAIL SECURE / FAIL SAFE)FIELD SELECTABLE  
(12 OR 24VDC)

FIRE RATED



GRADE 1



OUTDOOR RATED

UL 1034  
BURGLARY LISTED

**hes**  
ASSA ABLOY



The 9600 series Genesis™ is a windstorm rated, surface mounted electric strike designed to accommodate rim exit devices with a 3/4" throw latchbolt. All components are completely encased within its 3/4" thick stainless steel housing, so no cutting on the frame is required for installation. Simply place the electric strike on the surface of the frame, align it with the exit latchbolt and install. It is field selectable for fail secure and fail safe operation, and for 12 or 24VDC.

The 9600 is the only surface mounted electric strike designed with the strength and durability required to exceed the severe forces of ANSI Windstorm testing.

# 9600 Series

## The surface mounted, windstorm rated solution

### Specifications

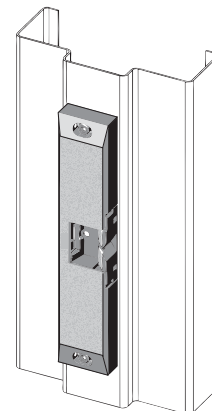
- ANSI 250.13-2003 Severe windstorm listed
- Florida Building Code Approved (FL#14307)
- UL1034 burglary-resistant listed and suitable for outdoor use
- ANSI/BHMA, A156.31 Grade 1
- Patent: 6,392,520

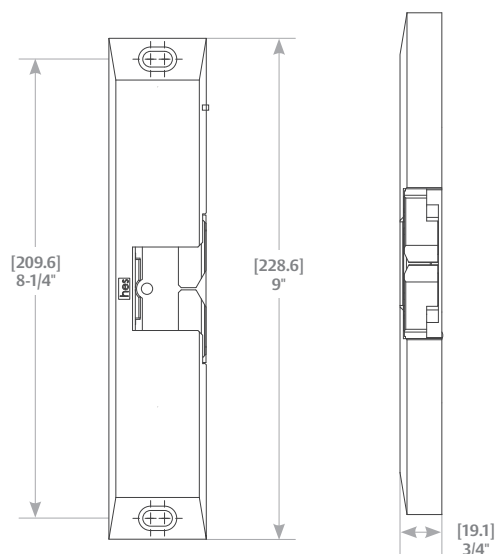
### Frame Application

- Metal
- Wood

### Electrical

- .45 Amps @ 12VDC continuous duty
- .25 Amps @ 24VDC continuous duty





### Standard Features

- Completely surface mounted
- Stainless steel construction
- Tamper resistant
- Static strength 1,500 lbs.
- Dynamic strength 70 ft-lbs.
- Endurance 1,000,000 cycles
- Field selectable fail safe/fail secure
- Dual voltage 12 or 24VDC
- Horizontal adjustment
- Non-handed
- Internally mounted solenoid
- Accommodates up to 3/4" Pullman latch
- Five-year limited warranty

### Optional Features

- **LBM** » Latchbolt monitor
- **LBSM** » Latchbolt strike monitor

### Accessories

- 9400/9500/9600-108** » Spacer plate (black or 630 finish)
- SMB** » Surface mounting box
- 2001M** » Plug-in bridge rectifier
- 2004M** » ElectroLynx® adapter
- 2005M3** » SMART Pac® III
- 2006M** » Plug-in buzzer

### Finishes

- 630** » Satin stainless steel
- 605** » Bright brass
- 606** » Satin brass
- 612** » Satin bronze
- 613** » Bronze toned
- 629** » Bright stainless steel



RIM EXIT DEVICES

FIELD SELECTABLE  
(12 OR 24VDC)FIELD SELECTABLE  
(FAIL SECURE / FAIL SAFE)

GRADE 1



OUTDOOR RATED

UL 1034  
BURGLARY LISTEDANS1 A250.13-2003  
WINDSTORM RESISTANT



*Ideal for ANSI 2-3/4" cut-outs*

The V3 series offers real value, innovation, and flexibility in one compact product. With 9 different faceplate options, the V3 is a drop-in replacement for other manufacturers' electric strikes. Offering up to 1/4" of horizontal adjustability, the V3 is ideal for cylindrical locksets with 1/2" to 5/8" latchbolts, in medium duty applications.

# V3 Series

## The flexible, compact electric strike solution

### Specifications

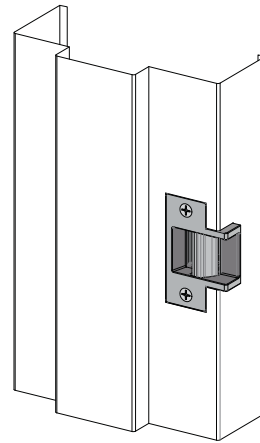
- ANSI/BHMA A156.31, Grade 2
- Patent pending

### Frame Application

- Metal
- Wood

### Electrical

- .20 Amps @ 12VDC/VAC
- .10 Amps @ 24VDC/VAC
- DC continuous duty
- AC intermittent duty



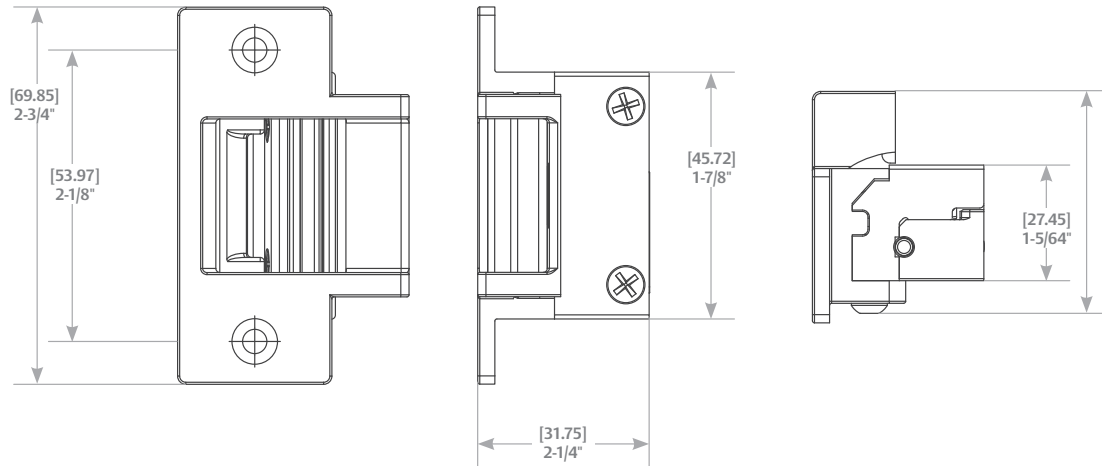


Diagram shown with Option 7

### Standard Features

- Standard Features
- Small strike body fits in many competitive cut-outs, with no modification to the frame
- 9 faceplate options, from 2-3/4"–9" long
- Accommodates 1/2" – 5/8" cylindrical latchbolt (5/8" with 1/8" door gap)
- Keeper shims for horizontal adjustment
- Static strength 1000 lbs.
- Dynamic strength 50 ft-lbs.
- Endurance 500,000 cycles
- Available in fail secure only
- Non-handed
- One-year limited warranty

### Finishes

- 630 » Satin stainless steel (Options 1-4)
- 606 » Satin brass (Options 1-4)
- 613 » Bronze toned (Options 1-4)
- 626 » Satin chrome (Options 5-7E)
- 606C » Gold (Option 5)



CYLINDRICAL  
LOCKSETS











GRADE 2



# V3 Series Faceplate Option Kits













**Operation:** After releasing the latchbolt, the keeper returns to the locked position

 <p>4-7/8" x 1-1/4"</p>	<p><b>Option 1</b></p> <p><b>For use with:</b> Cylindrical locksets. ANSI metal jamb installations.</p> <p><b>Retrofits:</b> RCI (4114, 7114), ROFU (1702, 1802) and TRINE (012, 2007, 2012).</p> <p>» ANSI/BHMA Numbers: E05031, E09322, E09323</p>	
 <p>4-7/8" x 1-1/4"</p>	<p><b>Option 1A</b></p> <p><b>For use with:</b> Cylindrical locksets. Metal frame installations with mounting tabs.</p> <p><b>Retrofits:</b> RCI (4104, 7104).</p> <p>» ANSI/BHMA Numbers: E09321, E09322, E09323</p>	
 <p>7-15/16" x 1-7/16"</p>	<p><b>Option 2</b></p> <p><b>For use with:</b> Cylindrical locksets. Metal frame installations with mounting tabs.</p> <p><b>Retrofits:</b> RCI(4108, 7108), ROFU (1704, 1804) and TRINE (2002WR).</p> <p>» ANSI/BHMA Numbers: E09321, E09322, E09323</p>	
 <p>6-7/8" x 1-1/4"</p>	<p><b>Option 3</b></p> <p><b>For use with:</b> Cylindrical locksets. Metal frame installations with mounting tabs.</p> <p><b>Retrofits:</b> RCI (4107, 7107), ROFU (1703, 1803) and TRINE (2678).</p> <p>» ANSI/BHMA Numbers: E09321, E09322, E09323</p>	

# V3 Series Faceplate Option Kits



**Operation:** After releasing the latchbolt, the keeper returns to the locked position

 <p>9" x 1-3/8"</p>	<p><b>Option 4</b>  <b>For use with:</b> Cylindrical locksets. Wood frame applications.  <b>Retrofits:</b> ANSI 9" x 1-3/8" cutouts.          » ANSI/BHMA Numbers: E09321, E09322, E09323</p>	
 <p>3-1/2" x 1-3/8"</p>	<p><b>Option 5</b>  <b>For use with:</b> Cylindrical locksets. Wood frame installations.  <b>Retrofits:</b> TRINE 005.          » ANSI/BHMA Numbers: E09321, E09322, E09323</p>	
 <p>7-15/16" x 1-7/16"</p>	<p><b>Option 6</b>  <b>For use with:</b> Cylindrical locksets. Metal frame or wood installations with mounting tabs.  <b>Retrofits:</b> ROFU 1509.          » ANSI/BHMA Numbers: E09321, E09322, E09323</p>	
 <p>2-3/4" x 1-1/8"</p>	<p><b>Option 7</b>  <b>For use with:</b> Cylindrical locksets. Metal jamb installations.  <b>Retrofits:</b> ANSI/BHMA A156.115 2-3/4" cutouts.          » ANSI/BHMA Numbers: E09321, E09322, E09323</p>	
 <p>2-3/4" x 1-1/8"</p>	<p><b>Option 7E</b>  <b>For use with:</b> Cylindrical locksets. Extended lip for 'knockdown' style frame installations.  <b>Retrofits:</b> ANSI/BHMA A156.115 2-3/4" cutouts.          » ANSI/BHMA Numbers: E09321, E09322, E09323</p>	

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# Folger Adam Electric Strikes

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# Folger Adam

## How to Order

Below is an example describing how to order the electric strike systems composed of a strike body, faceplate and accessories.

### Part Number Examples

#### 310-4-F-24D-630-LCBMA

Is the part number for a 310-4 model that is fail safe, 24VDC, has a stainless steel finish with a latchbolt and locking cam with auxiliary switch monitoring option.

#### 310-4-12D-630

Is the part number for a 310-4 model that is fail secure, 12VDC and has a stainless steel finish.

310-4	F	24D	630	LCBMA
Model Number	Fail Safe/Secure	Voltage	Finishes	Options
Choose the electric strike model number	Specify an "F" for Fail Safe and leave blank for Fail Secure (standard)	Specify voltage (12D or 24D)	Choose finish number (find this number on the series catalog page)	This item refers to latchbolt & locking cam monitor

Strike bodies and faceplates can be ordered separately.

### Part Number Examples

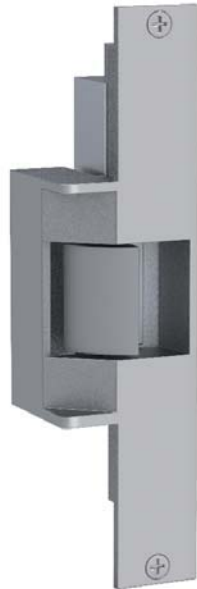
#### SB:310-1-1-(PK)-F-24D

Is the part number for a 310-1-1 model strike body only that is fail safe and 24VDC with a PK keeper.

SB	310-1-1	(PK)	F	24D	-	-
Prefix	Model Number	Keeper Style	Fail Safe/Secure	Voltage	Finish	Options
Specify strike body (SB) or faceplate (FP)	Choose strike body or faceplate only model number	Specify keeper style (none is standard)	Specify an "F" for Fail Safe (Fail Secure is standard)	Specify voltage (12D or 24D)	Find finish number on the series catalog page	This refers to options such as latchbolt and locking cam monitor



310-2



310-2-3/4



310-2 3/4OB



310-3-1

*NOTE: These products will require relocation of the strike center line when used with mortise locks. Consult HES Customer Support regarding use with the Best 40 series.*

# 300 Series

## The industrial grade, **fire-rated solution** for high abuse applications

The 310 series is a 3 hour fire-rated, industrial grade electric strike designed for extreme heavy duty applications. The all stainless steel construction of this device makes it ideal for high abuse applications that would disable other electric strikes.

### 310-2

For a 1/2" or 5/8" throw latchbolt (without deadbolt) on single and pairs of doors

*1/2" keeper standard*

### 310-2-3/4

For a 3/4" throw latchbolt (without deadbolt) on single doors

*3/4" keeper standard*

### 310-2 3/4OB

For a pair of doors, without a door coordinator, which are equipped with a lock having a 3/4" throw latchbolt (without deadbolt)

*3/4" keeper standard*

### 310-3-1

For a lockset with both a 3/4" throw latchbolt and a 1" throw deadbolt

- Deadbolt must be retracted manually
- Position of block within cavity is adjustable for RH and LH applications

*1" keeper standard*

## Specifications

- UL 10C fire-rated, 3-hour single door (fail secure only)
- UL 10C fire-rated, 3-hour double door (fail secure only)
- CAN4-S104 (ULC-S104) fire door conformant
- UL1034, burglary-resistant listed
- ANSI/BHMA A156.31, Grade 1
- DOD approved
- New York City accepted
- NFPA-252 fire door conformant
- ASTM-E152 fire door conformant

## Electrical

- .51 Amps @ 12VDC continuous duty
- .25 Amps @ 24VDC continuous duty

## Standard Features

- Tamper-resistant, heavy duty construction
- Constructed entirely of stainless steel for strength and corrosion resistance
- Static strength 1,500 lbs.
- Dynamic strength 70 ft-lbs.
- Endurance rating 500,000 cycles
- Horizontally adjustable keeper allows for door and frame misalignment
- 1/2" keeper depth (310-2)
- 3/4" keeper depth (310-2 3/4 and 310-2 3/4OB)
- 1" keeper depth (310-3-1)
- Non-handed
- Fail Secure (standard)
- Plug-in connector
- Five-year limited warranty

## Optional Features

- Fail Safe
- **LCBMA** » Latchbolt & Locking Cam Monitor with Auxiliary Switch (all except 310-2-3/4OB)

## Accessories

- 152** » Universal mounting tabs
- 310-2-3** » Strike latch guard (astragal)
- 2001-1** » Wire-in bridge rectifier
- 2001M** » Plug-in bridge rectifier
- 2004M** » ElectroLynx® adapter
- 2005M3** » SMART Pac® III
- 2006M** » Plug-in buzzer

## Finishes

- 630** » Satin stainless steel
- 605** » Bright brass
- 606** » Satin brass
- 612** » Satin bronze
- 613** » Bronze toned
- 629** » Bright stainless steel



CYLINDRICAL  
LOCKSETS



MORTISE LOCKS  
WITH DEADBOLTS



MORTISE LOCKS  
WITHOUT DEADBOLTS



FIRE RATED



GRADE 1



UL 1034  
BURGLARY LISTED





310-4



310-4S

# 300 Series

## The industrial grade, **fire-rated solution** for 1/2" or 3/4" rim exit devices

The 310-4 is a 3 hour fire-rated, industrial grade electric strike designed for extreme heavy duty applications. The all stainless steel construction of this device makes it ideal for high abuse applications that would disable other electric strikes. The 310-4 has a unique 3/4" face plate with an integrated 1/4" base shim that can be removed in the field to accommodate rim exit devices with a 1/2" or 3/4" throw latchbolt.

### 310-4

For up to 3/4" Pullman style latchbolts on single doors

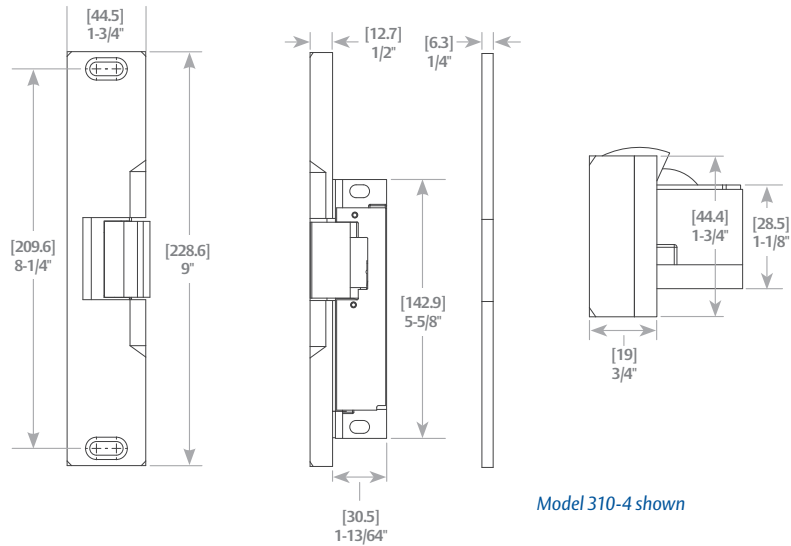
*PK keeper standard*

### 310-4S

For Squarebolt® style rim exit devices such as;

- Corbin Russwin® ED4200S, ED5200S and ED5200SA SecureBolt™
- Yale® 7150(F), 7250, 7270M(F) Squarebolt® Exit Devices

*SK keeper standard*



Model 310-4 shown

## Specifications

- UL 10C, 3-hour fire-rated (fail secure only)
- CAN4-S104 (ULC-S104) fire door conformant
- UL1034, burglary-resistant listed
- ANSI/BHMA A156.31, Grade 1
- NFPA-252 fire door conformant
- ASTM-E152 fire door conformant

## Electrical

- .51 Amps @ 12VDC continuous duty
- .25 Amps @ 24VDC continuous duty

## Standard Features

- Integrated shim for quick customization of faceplate thickness (1/2" to 3/4")
- Tamper-resistant, heavy duty construction
- Constructed entirely of stainless steel for strength and corrosion resistance
- Static strength 1,500 lbs.
- Dynamic strength 70 ft-lbs.
- Endurance rating 500,000 cycles
- Integrated ramps for better deadlatch handling
- Set screws for horizontal lockdown
- In-frame horizontal adjustability
- Wider faceplate (1-3/4" for greater versatility)
- Non-handed
- Fail Secure (standard)
- Plug-in connector
- Five-year limited warranty

## Optional Features

- Fail Safe
- LCBMA » Latchbolt & Locking Cam Monitor with Auxiliary Switch

## Accessories

- SMB » Surface mounting box
- 2001-1 » Wire-in bridge rectifier
- 2001M » Plug-in bridge rectifier
- 2004M » ElectroLynx® adapter
- 2005M3 » SMART Pac® III
- 2006M » Plug-in buzzer

## Finishes

- 630 » Satin stainless steel
- 605 » Bright brass
- 606 » Satin brass
- 612 » Satin bronze
- 613 » Bronze toned
- 629 » Bright stainless steel



RIM EXIT DEVICES



FIRE RATED



GRADE 1

UL 1034  
BURGLARY LISTED

# 300 Series

## The industrial grade, for surface vertical-rod exit devices

The 310-4 vertical surface mounted series is designed for heavy duty applications on single or double doors. The all stainless steel construction of this device makes it ideal for high abuse applications. This line of electric strikes will accommodate rim exit devices with a swinging, pullman style latchbolt.

### 310-4-1

For both leaves of a pair of doors when spacing of the vertical rod is between 4" and 4-3/4"

*PK keeper standard*

### 310-4-2

For both leaves of a pair of doors when spacing of the vertical rods is between 4-5/8" and 5-3/8"

*PK keeper standard*

### 310-4-3

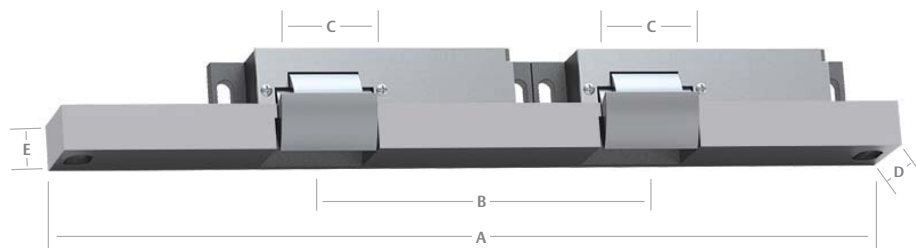
For both leaves of a pair of doors when spacing of the vertical rods is between 5-1/4" and 6"

*PK keeper standard*

### 310-4-30

For both leaves of a pair of doors when spacing of the vertical rods is between 2-5/8" and 3-3/8"

*PK keeper standard*



	A	B	C	D	E
<b>310-4-1</b>	13-3/8"	4-3/8"	1-13/16"	1-1/2"	3/4"
<b>310-4-2</b>	14	5"	1-13/16"	1-1/2"	3/4"
<b>310-3-3</b>	14-5/8"	5-5/8"	1-13/16"	1-1/2"	3/4"
<b>310-4-30</b>	12"	3"	1-13/16"	1-1/2"	3/4"

## Specifications

- UL1034, burglary-resistant listed
- ANSI/BHMA A156.31, Grade 1
- DOD approved
- New York City accepted

## Electrical

- .51 Amps @ 12VDC continuous duty
- .25 Amps @ 24VDC continuous duty

## Standard Features

- Tamper-resistant, heavy duty construction
- Constructed entirely of stainless steel for strength and corrosion resistance
- Static strength 1,500 lbs.
- Dynamic strength 70 ft-lbs.
- Endurance 500,000 cycles
- Adjustable keeper to allow for door and frame misalignment
- Pullman keeper
- Non-handed
- Fail Secure (standard)
- Plug-in connector
- Five-year limited warranty

## Optional Features

- Fail Safe
- LCBMA » Latchbolt & Locking Cam Monitor with Auxiliary Switch

## Accessories

- 2001-1 » Wire-in bridge rectifier
- 2001M » Plug-in bridge rectifier
- 2004M » ElectroLynx® adapter
- 2005M3 » SMART Pac® III
- 2006M » Plug-in buzzer

## Finishes

- 630 » Satin stainless steel
- 605 » Bright brass
- 606 » Satin brass
- 612 » Satin bronze
- 613 » Bronze toned
- 629 » Bright stainless steel

*Note: Double-door models are available with four different center-to-center dimensions between latchbolt keepers. Keepers are wide enough to compensate for vertical-rod exit bolts which may be as much as 3/8" (10mm) off center-to-center dimension, either way.*

*Note: When using an electric strike in conjunction with a vertical-rod exit device:*

1. *The bottom rod of the exit device must be removed or made inoperative.*
2. *The latchbolt of the exit device must be the "Pullman" or beveled type.*
3. *The latchbolt must be free-latching and remain projected while the door is open. Mechanisms that hold the latchbolt retracted while the door is open, and automatically release it when the door is closed, must be removed or made inoperative*



# 300 Series

## The industrial grade, for concealed vertical-rod exit devices

The 310-6 vertical series is designed for heavy duty applications on single or double doors. The all stainless steel construction of this device makes it ideal for high abuse applications. This line of electric strikes will accommodate rim exit devices with a swinging or pullman style latchbolt.

### 310-6-8

For only the active leaf of a pair

*PK keeper standard*

### 310-6-1

For both leaves of a pair of doors when spacing of the vertical rods is between 4" and 4-3/4"

*PK keeper standard*

### 310-6-2

For both leaves of a pair of doors when spacing of the vertical rods is between 4-5/8" and 5-3/8"

*PK keeper standard*

### 310-6-3

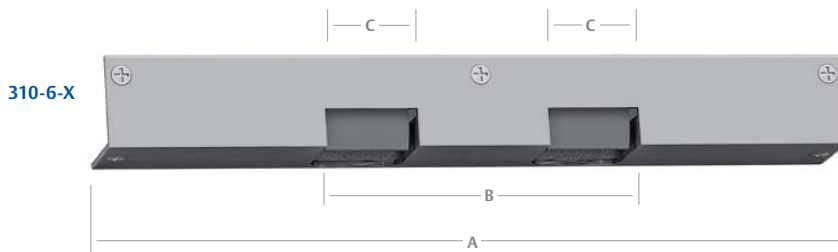
For both leaves of a pair of doors when spacing of the vertical rods is between 5-1/4" and 6"

*PK keeper standard*

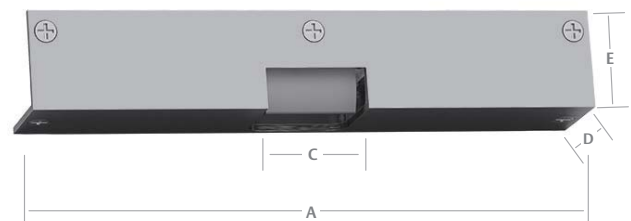
### 310-6-30

For both leaves of a pair of doors when spacing of the vertical rods is between 2-5/8" and 3-3/8"

*PK keeper standard*



310-6-8



	A	B	C	D	E
<b>310-6-1</b>	14-1/2"	4-3/8"	1-13/16"	1-3/4"	1-3/4"
<b>310-6-2</b>	15-1/8"	5"	1-13/16"	1-3/4"	1-3/4"
<b>310-6-3</b>	15-3/4"	5-5/8"	1-13/16"	1-3/4"	1-3/4"
<b>310-6-30</b>	13-1/8"	3"	1-13/16"	1-3/4"	1-3/4"
<b>310-6-8</b>	10-7/8"	—	1-13/16"	1-3/4"	1-3/4"



## Specifications

- UL1034, burglary-resistant listed
- ANSI/BHMA A156.31, Grade 1
- DOD approved
- New York City accepted

## Electrical

- .51 Amps @ 12VDC continuous duty
- .25 Amps @ 24VDC continuous duty

## Standard Features

- Tamper-resistant, heavy duty construction
- Constructed entirely of stainless steel for strength and corrosion resistance
- Static strength 1,500 lbs.
- Dynamic strength 70 ft-lbs.
- Endurance 500,000 cycles
- Adjustable keeper allows for door and frame misalignment
- Non-handed
- Fail Secure (standard)
- Plug-in connector
- Five-year limited warranty

## Optional Features

- Fail Safe
- **LCBMA** » Latchbolt & Locking Cam Monitor with Auxiliary Switch

## Accessories

**2001-1** » Wire-in bridge rectifier

**2001M** » Plug-in bridge rectifier

**2004M** » ElectroLynx® adapter

**2005M3** » SMART Pac® III

**2006M** » Plug-in buzzer

## Finishes

**612** » Satin bronze

**627** » Satin aluminum

*Note: Double-door models are available with four different center-to-center dimensions between latchbolt keepers. Keepers are wide enough to compensate for vertical-rod exit bolts, which may be as much as 3/8" (10mm) off center-to-center dimension, either way.*

*Note: When using an electric strike in conjunction with a vertical-rod exit device:*

1. The bottom rod of the exit device must be removed or made inoperative.
2. The latchbolt of the exit device must be the "Pullman" or beveled type.
3. The latchbolt must be free-latching and remain projected while the door is open. Mechanisms that hold the latchbolt retracted while the door is open, and automatically release it when the door is closed, must be removed or made inoperative.

*Note: The electric strike will not operate with a deadbolt style vertical rod.*





712



712-75



732



732-75

# 700 Series

## The industrial grade, **fire-rated solution** for high abuse applications

The 700 series is a 3 hour fire-rated, industrial grade electric strike designed for extreme heavy duty applications. The all stainless steel construction of this device makes it ideal for high abuse applications. The 712 series is designed to accommodate 1/2" throw latchbolts, and the 712-75 is designed to accommodate 3/4" latchbolts.\*

### 712

For use with 1/2" to 5/8" throw latchbolts in hollowmetal frame applications

*1/2" PK keeper standard*

### 732

For use with 1/2<sup>\*\*\*</sup> to 5/8<sup>\*\*\*</sup> throw latchbolts in wood frame applications. Features an offset solenoid

*PK keeper standard*

### 712-75

For use with 1/2<sup>\*\*\*</sup>, 5/8<sup>\*\*\*</sup> or 3/4" throw latchbolts in hollowmetal frame applications

*3/4" PK keeper standard*

### 732-75

For use with 1/2", 5/8" or 3/4" throw latchbolts in wood frame applications. Features an offset solenoid

*3/4" PK keeper standard*

*\*NOTE: These products will require relocation of the center line when used with mortise locks. Consult HES customer support regarding use with the Best 40 series.*

*\*\*NOTE: When using LBMLCM with a 1/2" or 5/8" keeper latchbolt detection may be dependent on the door gap.*

## Specifications

- UL 10C fire-rated, 3-hour single door (fail secure only)
- UL 10C fire-rated, 3-hour double door (fail secure only)
- CAN4-S104 (ULC-S104) fire door conformant
- UL1034, burglary-resistant listed
- ANSI/BHMA A156.31, Grade 1
- DOD approved
- New York City accepted
- NFPA-252 fire door conformant
- ASTM-E152 fire door conformant

## Electrical

- .29 Amps @ 12VDC continuous duty
- .15 Amps @ 24VDC continuous duty

## Standard Features

- Tamper-resistant, heavy duty construction
- Constructed entirely of stainless steel for strength and corrosion resistance
- Static strength 1,500 lbs.
- Dynamic strength 70 ft-lbs.
- Horizontally adjustable keeper allows for door and frame misalignment
- 1/2" keeper depth (712 and 732)
- 3/4" keeper depth (712-75 and 732-75)
- Non-handed
- Fail Secure (standard)
- Plug-in connector
- Five-year limited warranty

## Optional Features

- Fail Safe
- **LBMLCM** » Latchbolt & Locking Cam Monitor

## Accessories

- 150** » Strike latch guard
- 152** » Universal mounting tabs
- 2001-1** » Wire-in bridge rectifier
- 2001M** » Plug-in bridge rectifier
- 2004M** » ElectroLynx® adapter
- 2005M3** » SMART Pac® III
- 2006M** » Plug-in buzzer

## Finishes

- 630** » Satin stainless steel
- 605** » Bright brass
- 606** » Satin brass
- 612** » Satin bronze
- 613** » Bronze toned
- 629** » Bright stainless steel



CYLINDRICAL  
LOCKSETS



MORTISE LOCKS  
WITHOUT DEADBOLTS



FIRE RATED



GRADE 1



UL 1034  
BURGLARY LISTED





# 742 Series

The industrial grade, **fire-rated solution** for high abuse applications

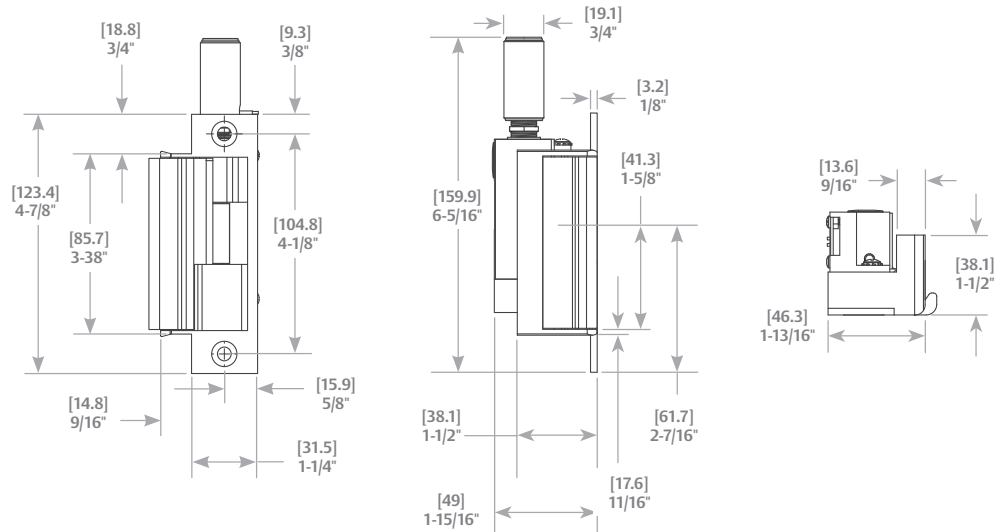
The 742-75 series is a 3 hour fire-rated, industrial grade electric strike designed for extreme heavy duty applications. The all stainless steel construction of this device makes it ideal for high abuse applications. The 742-75 series comes standard with a variety of brackets to accommodate all major mortise and cylindrical locks with up to a 3/4" throw latchbolts.\* This is the one electric strike to choose when you are uncertain of which lockset you may encounter.

## 742-75

For use with 1/2"\*\*, 5/8"\*\* or 3/4" throw latchbolts in hollow-metal frame applications

*\*NOTE: 742-75 is designed to work with a variety of mortise locks without deadbolts, including the Schlage L9000 and Yale 8800 without relocating the strike prep in the frame. Consult HES customer support regarding use with the Best 40 series.*

*\*\*NOTE: When using LBMLCM with a 1/2" or 5/8" keeper latchbolt, detection may be dependent on the door gap.*



## Specifications

- UL 10C fire-rated, 3-hour single door (fail secure only)
- UL 10C fire-rated, 1-1/2 hour double door (fail secure only)
- CAN4-S104 (ULC-S104) fire door conformant
- UL1034, burglary-resistant listed
- ANSI/BHMA A156.31, Grade 1
- NFPA-252 fire door conformant
- ASTM-E152 fire door conformant

## Electrical

- .29 Amps @ 12VDC continuous duty
- .15 Amps @ 24VDC continuous duty

## Standard Features

- Tamper-resistant, heavy duty construction
- Constructed entirely of stainless steel for strength and corrosion resistance
- Static strength 1,500 lbs.
- Dynamic strength 70 ft.-lbs.
- Endurance rating 500,000 cycles
- Horizontally adjustable keeper to allow for door and frame misalignment
- Deadlatch tabs included
- 3/4" keeper depth
- Non-handed
- Fail Secure (standard)
- Plug-in connector
- Full keeper shim
- Five-year limited warranty

## Optional Features

- Fail Safe
- **LBMLCM** » Latchbolt & Locking Cam Monitor

## Accessories

- 150** » Strike latch guard
- 152** » Universal mounting tabs
- 2001-1** » Wire-in bridge rectifier
- 2001M** » Plug-in bridge rectifier
- 2004M** » ElectroLynx® adapter
- 2005M3** » SMART Pac® III
- 2006M** » Plug-in buzzer

## Finishes

- 630** » Satin stainless steel
- 605** » Bright brass
- 606** » Satin brass
- 612** » Satin bronze
- 613** » Bronze toned
- 629** » Bright stainless steel



CYLINDRICAL  
LOCKSETS



MORTISE LOCKS  
WITHOUT DEADBOLTS



FIRE RATED



GRADE 1



UL 1034  
BURGLARY LISTED

**hes**  
ASSA ABLOY

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# Integrated Products

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# Integrated Products

## How to Order

All HES electric strikes are available with your choice of HID® Prox or iCLASS® reader. Below is an example describing how to order a 1006 with a Prox reader.

### Part Number Examples

#### IC8520-629

Is the part number for an 8500 Series with an iCLASS reader in bright stainless steel. The 8500 is field selectable, so you don't need to indicate fail safe or fail secure. Latch Bolt Monitoring is standard for integrated products.

#### RF9610-630

Is the part number for a 9600 Series electric strike with a Prox reader in satin stainless steel finish.

<b>RF1016</b>	<b>F</b>	<b>-</b>	<b>630</b>
Strike Series	Fail Secure/Safe	Voltage	Finishes
Choose the electric strike series number	Specify an "F" for Fail Safe and leave blank for Fail Secure (standard)	Specify voltage (12 or 24) when ordering a 7000 or 7500 and leave blank for the rest	Choose finish number (find this number on the series catalog page)

Faceplates are ordered separately as a second line item.

### Part Number Examples

#### KM-605

Is the part number for a 1006 Series KM Option faceplate with a bright brass finish.

#### 501-BLK

Is the part number for a 5200 Series 501 Option faceplate with a black finish.

#### 852M-629

Is the part number for a 8500 Series 852M Option faceplate with a bright stainless steel finish.

<b>KM</b>	<b>605</b>
Faceplate Series	Finishes
Choose the faceplate series number	Choose finish number (find this number on the series faceplate options page)



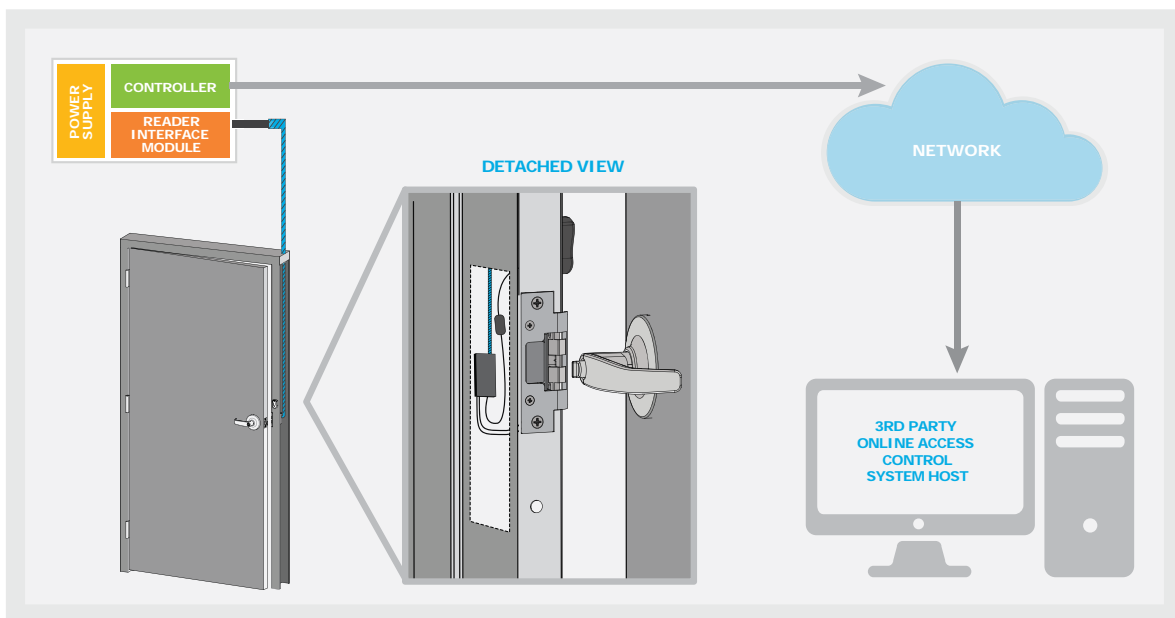


# Easy installation and compatibility in one convenient package

HES Integrated Access Control Products combine a high-quality access control reader, featuring HID® technology, door position switch and your choice of HES Electric Strikes—all in one convenient package. Designed for easy installation, maintenance and compatibility, these products are ideal for a full range of access control applications.

## All HES Integrated Products:

- Provide standard Wiegand output for seamless integration with current access control systems.
- Are available for cylindrical and mortise locksets as well as rim exit devices, in both fire and non-fire-rated openings.



The integrated door position switch and strike latchbolt monitor provide extra protection by allowing the access control system to monitor the door state and ensure the door is closed and secured. The tamper-resistant card reader is cleverly concealed within the door frame. Completing the package is your favorite UL-listed HES electric strike, available in a wide range of finishes.

The compact reader antenna mounts quickly and easily on the wall or on the frame in applications with difficult-to-mount wall surfaces such as brick or granite. This aesthetically pleasing product makes it possible to employ a card reader consistently throughout a facility, providing cardholders with a familiar format at each opening.



1006

4500

5000

5200

7000

7500



Integrated iCLASS<sup>®</sup>  
(actual size)



Integrated Prox  
(actual size)



## HES Integrated Products

### Powerful access control in a simple package

Experience the convenience of an electric strike with your choice of an iCLASS or Prox integrated card reader. HES Integrated Products combine any HES electric strike with a card reader, latchbolt monitor and door position switch for one-box convenience. HES Integrated Products conceal all components in the frame for easier installation, better tamper resistance, higher security and superior aesthetics. Engineered to work with any Wiegand-compatible controller, these versatile units easily integrate with most access control systems.



8000

8300

8500



9400

9500

9600

### Integrated iCLASS®

HES iCLASS Integrated Products combine any HES electric strike with HID® iCLASS reader technology, latchbolt monitor and door position switch. Optimized to make access control more powerful, the HID iCLASS 13.56 MHz contactless smart card technology offers enhanced security through encryption and mutual authentication.

#### Reader Specifications

- HID 13.56 MHz iCLASS reader (read only)
- Supports HID iCLASS credentials, plus CSN read only credentials including MIFARE® DESFire®, and Sony FeliCa™\*
- Interfaces with Wiegand compatible access control systems
- Readers dimensions: 1.25" w x 2" h x .75" d
- 500 ft. maximum distance from controller
- 12 to 24 VDC (125 mA Max @ 12 VDC) ± 10%
- FCC Part 15 & Industry Canada compliant

*\*Use of non-HID credentials may require an activation process or a programming card.*

### Integrated Prox

HES Prox Integrated Products combine the access control of HID 125KHz Prox reader technology with the physical security of an electric strike, latchbolt monitor and door position switch.

#### Reader Specifications

- HID 125 KHz Prox reader
- Interfaces with Wiegand compatible access control systems
- Readers dimensions: 1.25" w x 1.8" h x 2" d
- 500 ft. maximum distance from controller
- 10 to 14 VDC (124 mA Max @ 12 VDC)
- FCC Part 15 & Industry Canada compliant



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# Cabinet Locks

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# Cabinet Locks

## How to Order

Below is an example describing how to order an HES 660 cabinet lock.

Part Number Examples

**660-12V-LBSM-Pre-load**  
*Is the 660 cabinet lock, 12VDC, with LBSM that monitors the position of the latchbolt and keeper and handles pre-load.*

660	-	12V	LBSM - Pre-load
Strike Series	Fail Safe/Secure	Voltage	Optional Features
<i>Choose the electric strike series number</i>	<i>Specify an "F" for Fail Safe and leave blank for Fail Secure (standard)</i>	<i>Specify voltage (12 or 24)</i>	<i>This item refers to options such as latchbolt monitor, pre-load, key override, etc.</i>

HES now offers the K100-622H Kit for those customers who desire to wirelessly add access control to a cabinet using an existing EAC system.

Part Number Examples

**K100-622H-SE-B1**  
*Is a 622 cabinet lock, high frequency, paired with a Wiegand 1:1 hub and has black finish with round knob.*

**K100-622H-PA-W1**  
*Is a 622 cabinet lock, Prox, paired with a Wiegand 1:1 hub in white with round knob.*

K100	622H	PA	W	1
Cabinet Lock	Model	Credential Technology	Color	Knob Type
<i>Choose the cabinet lock series number</i>	<i>Choose the model number</i>	<i>SE - High Frequency PA - Prox</i>	<i>W - White B - Black</i>	<i>1 - Round 2 - Thumbturn</i>



**ADAMS RITE**  
A100 Keyless Entry Control  
*Ideal for aluminum and glass storefront doors*



**HES**  
K100 Cabinet Lock  
*Ideal for cabinets, lockers and drawers—in applications such as healthcare, higher education and IT*



**HES**  
KS100 Server Cabinet Lock  
*Ideal for server cabinets and data centers*



**MEDECO**  
M100 eCylinder  
*Ideal upgrade to existing mechanical door hardware*



**SARGENT**  
IN100 Lock  
*Ideal for institutional and commercial applications*



**SARGENT**  
PR100 Lock  
*Ideal for institutional and commercial applications*



**SECURITRON**  
R100 Surface Mounted Wireless Reader  
*Ideal for full glass entry doors*

# Aperio®

## Wireless possibilities for online access control

*Aperio (Latin) / a'pe.ri.o/ – to uncover, open*

At ASSA ABLOY, we've uncovered the solution that will open new doors to possibilities for online access control.

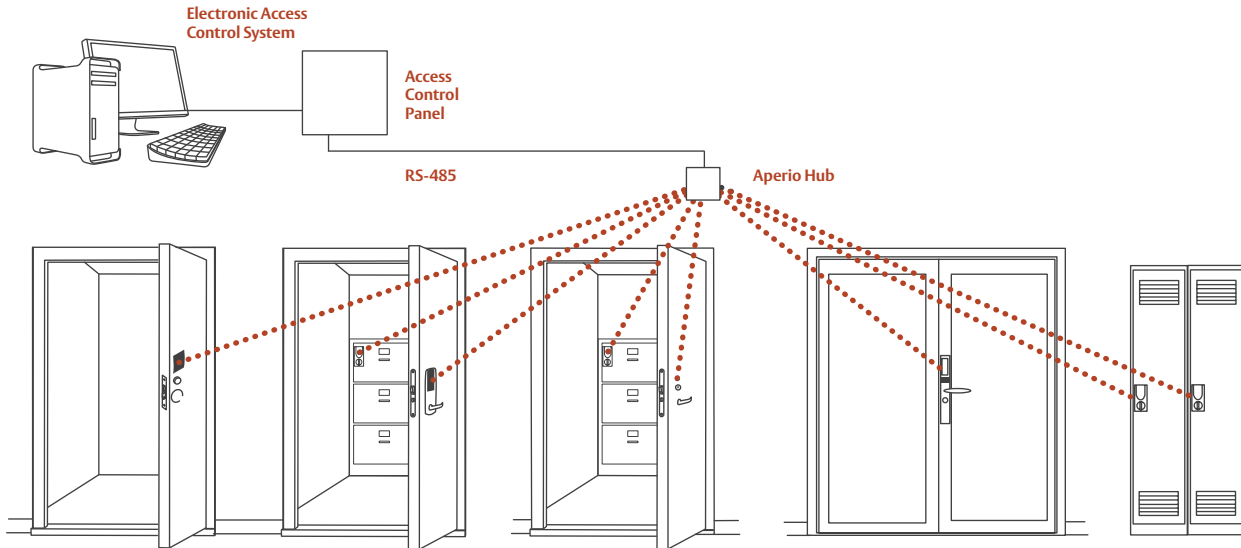
Aperio technology is a global wireless platform that reduces the cost and inconvenience of traditional access control — without the hassle of complex site surveys.

It utilizes local wireless communication between the lock and a communications hub to connect to an online electronic access control system. This offers facilities an easy, affordable way to expand the reach of existing access control systems and secure additional openings.

Aperio products are available through ASSA ABLOY Authorized Channel Partners.

Visit [www.intelligentopenings.com](http://www.intelligentopenings.com) for more information.

The HES K100 cabinet lock, HES KS100 server cabinet lock, Securitron R100 surface mounted wireless reader and the Adams Rite A100 keyless entry control are now available as single hub and lock kits.



### Standard Features

- Utilizes IEEE 802.15.4 wireless communication between the lock and an Aperio hub that is connected to the electronic access control system
- Real-time communication with the access control system for greater security and control
- Real-time door status monitoring
- Advanced data security with standard encryption techniques
- AES 128-bit encryption

- Global wireless platform that addresses a wide range of applications and security requirements
- Global Aperio technology is ideal for companies who wish to deploy a standard infrastructure across multi-national locations
- Available across a range of locking hardware from ASSA ABLOY Group brands, Aperio provides the flexibility to address a variety of applications throughout your facility
- Supports HID® 125 kHz proximity or 13.56 MHz iCLASS® (full authentication, all formats) credentials

### Quick, Easy Wireless Deployments

- No complex site surveys
- Minimal field configuration
- Simplified installation at the opening
- Uses existing credentials





*K100-622 wireless cabinet reader, lock and AperiO hub*

The HES K100 wireless cabinet lock with AperiO technology makes it easy and cost effective to bring real-time access control to cabinets and drawers where audit trail and monitoring are increasingly critical. It uses local wireless communication between the lock and an AperiO hub to connect to an access control system, eliminating the cost and difficulty of physically wiring access control to the cabinet.

The K100 expands the reach of access control systems to drawers, cabinets and lockers through the use of existing ID badges.

# K100-622H

## Wireless Cabinet Lock Series

Add cabinet security without adding another credential

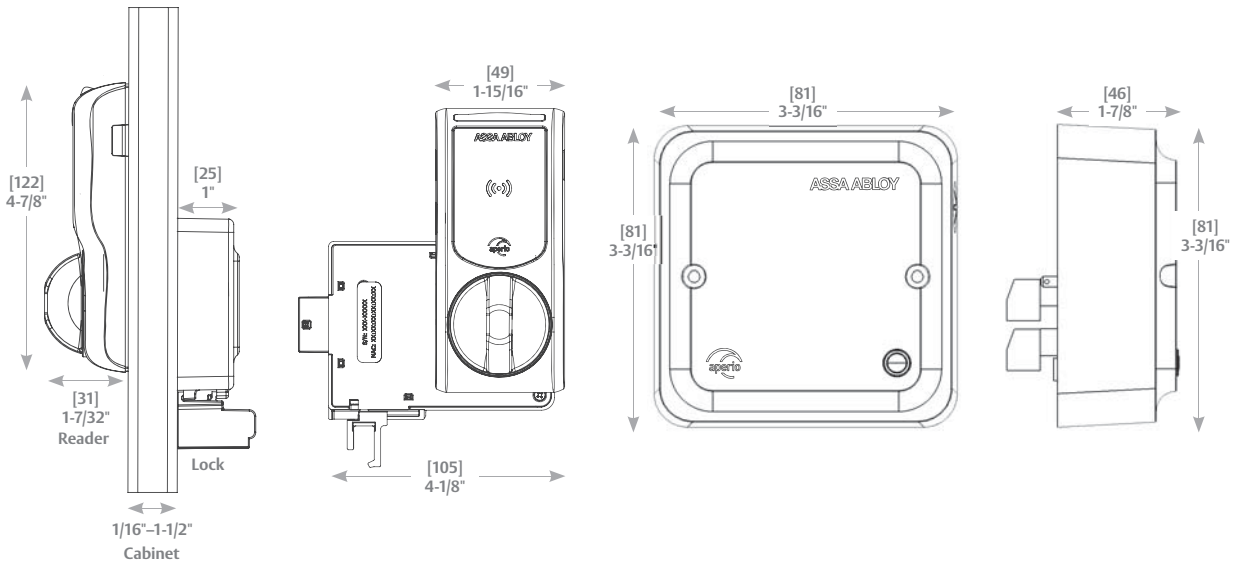
### Specifications

- Operating temperature +32 to +122F [0 to +50C]
- FCC and Industry Canada compliant
- Patents pending



*K100-621 with thumbturn knob*





### Standard Features

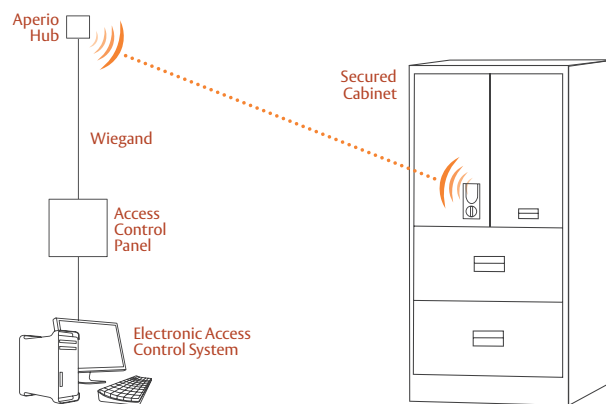
- Fast, easy-to-install wireless lock that communicates with an existing electronic access control system via the included Wiegand communication hub
- Convenient, quick response, single-card system uses existing ID badges (no keys to control or replace, no codes to secure or remember)
- High security asset protection with audit trail
- Cabinet lock latchbolt status monitoring
- Low maintenance with 50,000 cycles of battery life with two AA lithium batteries
- Low battery signaling and reporting
- Communication Hub using IEEE 802.15.4, connects to electronic access control with standard Wiegand wiring
- Secure AES128-bit encrypted wireless communication
- Mechanical key override compatible
- Uses existing ID badges
  - » *Two models are available to support low frequency or high frequency cards*
    - *Low frequency model supports Prox and EM Prox*
    - *High frequency model supports iCLASS, iCLASS Seos, iCLASS SE, ISO14443B UID, Mifare, Mifare Plus, Desfire SE, Desfire EV1, NFC*
- Bi-directional turnknob for easier opening
- Easy-to-manage user access
- Larger LED for improved visual feedback
- Custom cam can be locked in place when key is removed providing improved security
- Improved strike plate
- Three-year limited warranty

### Optional Features

- iCLASS or Prox reader
- Round or thumbturn knob

### Finishes

- White or black





KS100-640 and Aperio hub

Protect servers from malicious or accidental tampering trail without adding another credential.

The HES KS100-640H server cabinet lock and pre-paired Aperio hub tie to an existing electronic access control system using Wiegand wiring. This convenient system brings real-time access control in a single-card system to individual server cabinet doors, greatly improving the monitoring and security level of each server cabinet. It uses existing ID badges so there are no keys to control or replace and no codes to secure or remember.



# KS100-640H

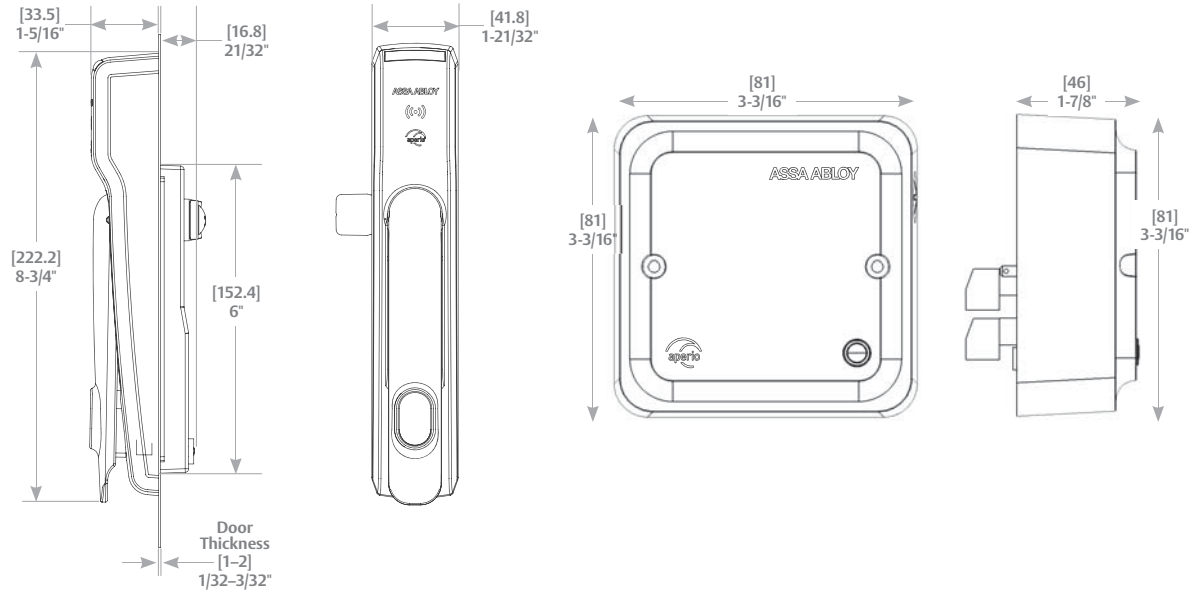
## Server Cabinet Lock and Aperio® Hub Wireless possibilities for server cabinet protection

### Specifications

- Operating temperature +32 to +122F [0 to +50C]
- FCC Part 15 and Industry Canada compliant

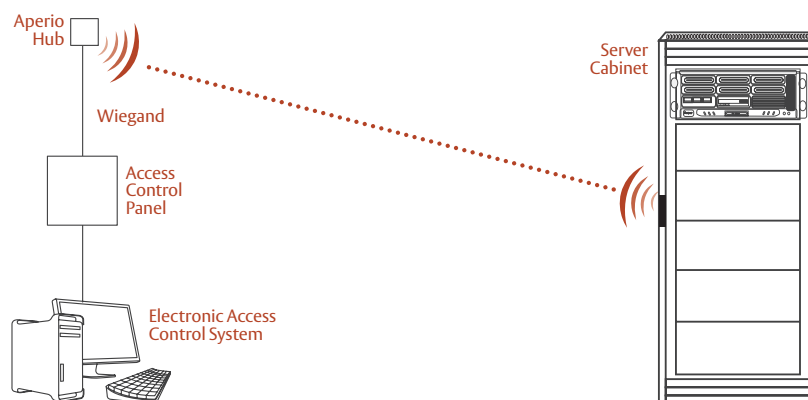


KS100-640 with green & red LED



### Standard Features

- Uses existing ID badges
  - » Two models are available to support low frequency or high frequency cards
    - Low frequency model supports PROX and EM PROX
    - High frequency model supports iCLASS, SEOS™, iCLASS SE, ISO14443B UID, Mifare, Mifare Plus, Desfire SE, Desfire EV1, NFC
- High security asset protection with audit control
- Online transaction audit control capability
- Hardwired power via standard, IEEE 802.3af, 48VDC Power over Ethernet (PoE)
  - » Does not require batteries or battery changes, lowering maintenance costs
  - » PoE Injector not included
- SFIC (small format interchangeable core) key override allows secure manual unlock capability
  - » SFIC not included
- Ideal for colocation data centers with multiple companies requiring access
- For use on left or right hand doors
- Designed for standard 25mm x 150mm server lock openings
  - » Retrofit onto most cabinets without cutting or pulling wire
- Fully encrypted AES 128 wireless communication between server cabinet lock and Aperio hub ensures data security
- Real-time communication to the access control system ensures easy management of access rights

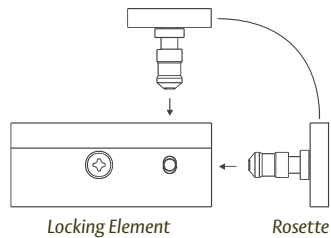




# 610 Series

The compact and cost effective cabinet locking solution

The HES 610 cabinet lock is a versatile, compact and cost effective cabinet lock for wood cabinets. The 610 cabinet lock can be triggered by a simple relay as part of an access control system or with a standalone keypad. The HES 610 is available in monitored and unmonitored versions. Typical uses include securing expensive inventory, prototypes, or controlled documents.

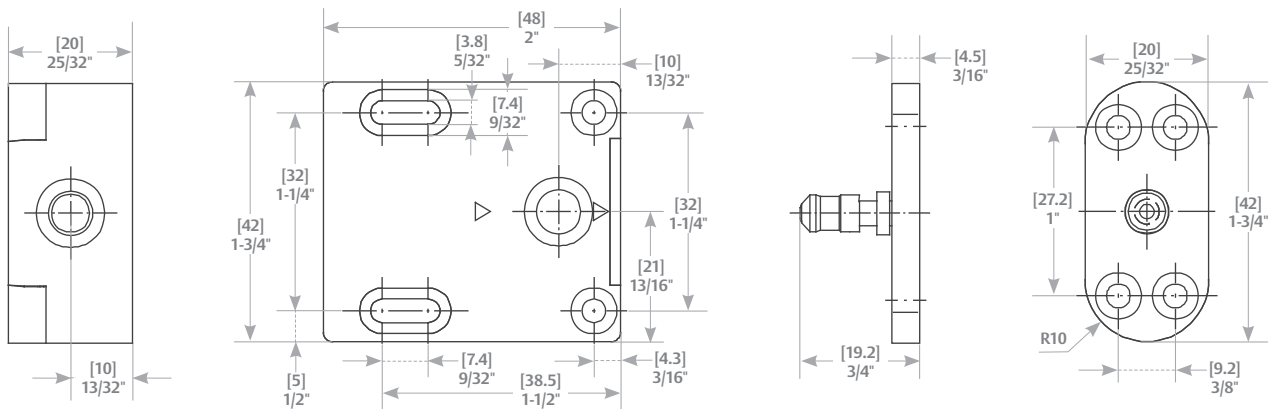


## Standard Features

- Fail safe / fail secure (field selectable)
- Holding force: 200 lbs.
- Compact design fits most drawers and cabinets
- Installation either at the side or front of cabinets
- 610LM option includes locked state monitoring
- 1-year limited warranty

## Electrical

- 12/24VAC/VDC field selectable
- Rated operating voltage  $\pm 10\%$ 
  - 12VDC 260mA
  - 24VDC 130mA
  - 12VAC 140mA
  - 24VAC 70mA
- Monitored Contact rating 25V / 1A





# 660 Series

## The strongest surface mounted, multi-purpose locking solution

The 660 electro-mechanical lock is a surface-mounted, electric, multi-purpose lock, perfect for drawers and cabinets, operating on either 12 or 24VDC with over 1,000 lbs. of holding force.

### Standard Features

- Static strength 1,000 lbs.
- Dynamic strength over 100 ft-lbs.
- Endurance over 1,000,000 cycles
- Available in either 12 or 24 VDC
- All metal construction
- Adjustable mounting brackets with final lockdown feature

- 6 foot cable lead
- Patented design
- 3-year limited warranty

### Optional Features

- **LBSM** » “Locked State” Monitoring
- Pre-load version

### Accessories

- **KO** » 660 Key override option

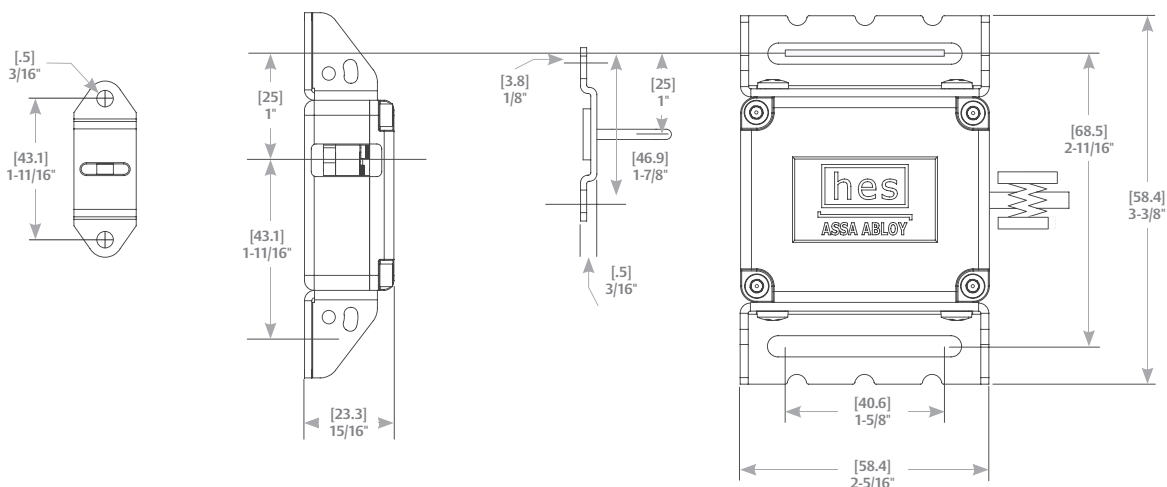
### Specifications

The 660 multi-purpose locking solution brings electronic access control to your cabinets and drawers. Strong, convenient and flexible, it is ideal for hotel, university, corporate, government, healthcare and entertainment applications such as:

- Guest rooms
- Lockers
- Cupboards
- Cabinets
- Boxes
- Display Cases

### Electrical

- .24 Amps @ 12VDC continuous duty
- .12 Amps @ 24VDC continuous duty
- .70 Amps @ 12VDC (pre-load option)
- .35 Amps @ 24VDC (pre-load option)



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# Accessories

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# Accessories

## How to Order

Accessories are ordered on a separate line. Here are a few examples of accessories part numbers.

### Part Number Examples

#### 2001M

*Is the part number for a Plug-in Bridge Rectifier that includes MOV and a self-resettable fuse.*

#### 2005M3

*Is the part number for a SMART Pac III that includes a Built-in Bridge rectifier and resettable fuse, MOV, voltage regulation and an input voltage level plus unit status LED.*









#### 150

*Is the part number for a Strike Latch Guard with a stainless steel finish.*

#### 310-2-3

*Is the part number for a Strike Latch Guard (Astragal) that is available for the Folger Adam 300 Series electric strikes with a standard 630 stainless steel finish and Torx® screws.*

## Electrical Accessories

Item	Accessory	Description
	<b>2001M:</b> Plug-in bridge rectifier	<b>Converts AC to unfiltered DC.</b> Rated 35 V, 1 Amp <i>Includes MOV and self-resettable fuse</i> <i>Not recommended for 1006 Electric Strike</i>
	<b>2001-1:</b> Wire-in bridge rectifier	<b>Converts AC to unfiltered DC.</b> Rated 35 V, 2 Amp <i>Not recommended for 1006 Electric Strike</i>
	<b>2002:</b> Universal AC transformer	<b>Converts 120/208/240 VAC to 12 or 24 VAC rated output.</b> 24V @ 1.67 Amp max
	<b>2002P-12-3, 2002P-12-1.5:</b> DC plug-in transformer	<b>Plug-in regulated</b> switching power supply
	<b>2004M:</b> ElectroLynx® adapter	<b>Adapter between existing HES electric strikes and ElectroLynx® connectors</b>
	<b>2005M3:</b> SMART Pac® III	<b>In-line power controller able to receive input voltages from 12- 32V AC or DC.</b> Built-in bridge rectifier. Reduces initial voltage by 25% to extend the life of the electric strike. <i>Includes built-in resettable fuse, MOV, voltage regulation and input voltage level indicating and unit status</i> <i>For use with 1006, input voltage must be DC</i>
	<b>2006M:</b> Plug-in buzzer	<b>Audible operation indicator.</b> At 24VDC, 75db @ 11-3/4"
	<b>2007M:</b> Plug-in pigtail connectors	With 4" wire leads



# Hardware Accessories

Item	Accessory	Description
	<p><b>150:</b> Strike latch guard</p>	<p><b>Stainless steel.</b> Installed at the edge of the door to cover the lock and electric strike <i>Available in 626 finish only</i></p>
	<p><b>SMB:</b> Surface mounting box</p>	<p><b>Installs on inactive door of pair of doors to accommodate rim-exit devices.</b> To be used with the 7000 (783S and 789S), 9400, 9500 and 9600 series. <i>Available in black finish only</i></p>
	<p><b>152:</b> Universal mounting tabs</p>	<p><b>Mount inside hollow metal and aluminum jambs</b></p>
	<p><b>154-MTK:</b> Metal Template Kit</p>	<p><b>For installing the 1006, 4500, 5000, 5200, 7000 and 7501 electric strikes</b> <i>(4-7/8" ANSI jamb preparation only)</i></p>
	<p><b>157D:</b> Torx® security bit</p>	<p><b>Tamper-Resistant Torx® R20 insert bit</b></p>
	<p><b>157:</b> Torx® screws</p>	<p><b>Two (2) 12-24 UNC x 3/4" FH</b> <b>Tamper-Resistant Pin-in-Torx® screws</b></p>



## Demo Mounts for HES Electric Strikes

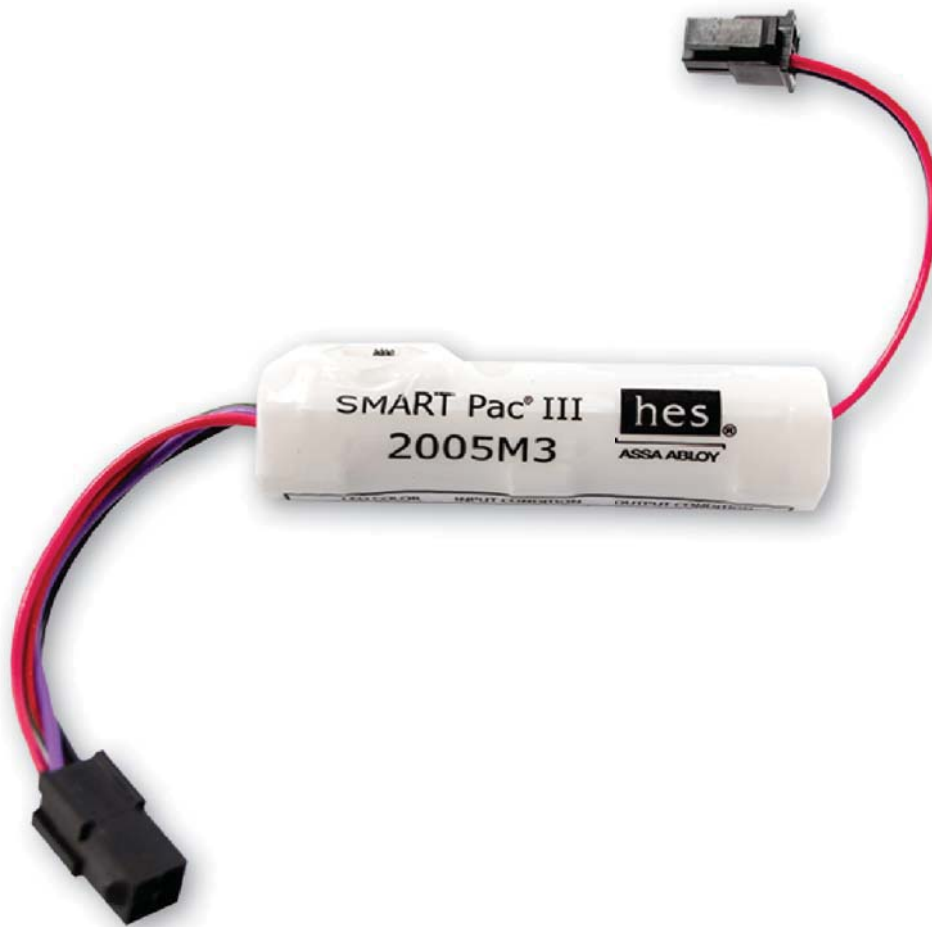
Demo mounts make it easy to display and demonstrate HES electric strikes. Choose from a pre-assembled strike in a demo mount or a standalone mount that works with an HES strike you currently have on hand. These durable, working samples showcase the product's features and benefits.

### HES Customer Support

Contact HES Customer Support today at **1-800-626-7590** to order your demo mounts.

Email your order to [customercare@assaabloyems.com](mailto:customercare@assaabloyems.com).





## Improve the Efficiency of Your HES Product

The SMART Pac® III in-line power controller is specially designed to protect an electric strike from excessive voltage and power surges that can damage the strike. The SMART Pac III provides the pre-set voltage, either 12 or 24VDC, for two seconds to actuate the electric strike, and then reduces the output voltage by 25% to prevent overheating, thus extending the life of the electric strike.

The SMART Pac III has a built-in selector switch for 12 or 24VDC output. It also includes a self-resetting fuse that protects the controller as well as the electric strike, and an MOV to protect the access control system from potential power

surges. The new SMART Pac III has a smaller 3/4" diameter and supports both fail safe and fail secure electric strikes without additional wiring. To assist the installer, the SMART Pac III is equipped with Smart LEDs that show the voltage input level and unit status, acting like a simple volt meter.\*

Installing a SMART Pac III power controller with any new HES or Folger Adam product extends the 1 year warranty on electrical components, including the SMART Pac III, to the full 3–5 year warranty term applicable to each Series mechanical component, as outlined in our standard terms and conditions.

*\*For use with the 1006 electric strike, input voltage to the SMART Pac III must be DC with less than 1 volt RMS ripple.*

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# General Information

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# General Info

## Helpful resources and the fine print

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In this section, you will find:

### Terms and Icons Glossary

*Defines commonly used acronyms along with the classifications and descriptions of our handy icons.*

### Compatibility Chart

*Details the HES and Folger Adam products that can replace competitors' products, but not necessarily the reverse.*

### Terms and Conditions

*Provides you with the mandatory details we're required to mention.*

### Trademark Usage

*We protect our copyrights and trademarks. Seriously.*

### LEED Certification

*Sustainability is an integral part of our business.*








### Lock Cross Reference

*Use this chart to identify which HES electric strike works with a specific manufacturer's lock. Very useful information.*

# Icon Glossary

Icon	Classification	Description
 CYLINDRICAL LOCKSETS	<b>Cylindrical</b> Locksets	A lock for a door prepared with one or more cross-bores and one or more edge-bores.
 MORTISE LOCKS WITH DEADBOLTS	<b>Mortise Locks</b> with deadbolts	A lock case that fits into a prepared rectangular shaped recess in the edge of a door. Deadbolts are bolts having no spring action, operated by a thumb turn or key.
 MORTISE LOCKS WITHOUT DEADBOLTS	<b>Mortise Locks</b> without deadbolts	A lock case that fits into a prepared rectangular shaped recess in the edge of a door. Latchbolts are a spring actuated bolt, with a beveled surface, which, when aligned with the strike plate, engages it automatically.
 RIM EXIT DEVICES	<b>Rim Exit</b> Devices	A latch mechanism that releases by depressing a cross bar or panel extending across the width of the door sometimes called a panic bar, panic exit hardware or fire exit bolt.
 SPECIALTY SPECIALTY LOCKSETS	<b>Specialty</b> Locksets	Includes specialty locksets including but not limited to: cylindrical deadbolt, hook bolt, unit lock, weiser bolt, and narrow style aluminum lock.
 ANSI A250.13-2003 WINDSTORM RESISTANT	<b>ANSI A250.13-2003</b> Windstorm Resistant	Products with an ANSI windstorm rating are certified and tested to perform in sustained winds or gusts of 100-to-150 miles per hour.
 FIELD SELECTABLE (12 OR 24VDC)	<b>Field Selectable</b> 12/24	Ability to select either 12 or 24VDC in the field.
 FIELD SELECTABLE (FAIL SECURE / FAIL SAFE)	<b>Field Selectable</b> Fail Secure/Fail Safe	Ability to select either fail secure or fail safe locking mode in the field. Strikes come configured for fail secure.

# Icon Glossary

Icon	Classification	Description
	<b>Fire-Rated</b>	Products with a fire rating have been evaluated and listed to UL10B, "Fire Test of Door Assemblies" and UL10C, "Positive Pressure Fire Tests with Door Assemblies". The hourly rating qualification is also noted.
	<b>Grade 1</b>	Passed requirements of 1500 lbs. static force, 70 ft. lbs of impact force and withstands 500,000 cycles of operation.
	<b>Grade 2</b>	Passed requirements of 1000 lbs. static force, 50 ft. lbs of impact force and withstands 300,000 cycles of operation.
	<b>Outdoor-Rated</b>	Ties in with the UL 1034 burglary resistant rating and products are suitable for outdoor use.
	<b>UL 1034 Burglary Listed</b>	Products with a UL 1034 listing are compliant as burglary resistant electric locking mechanisms.
	<b>UL Listing</b>	UL Listing means that UL has tested representative samples of the product and determined that it meets UL's requirements. These requirements are based primarily on UL's published and nationally recognized Standards for Safety.
	<b>UL Listing</b>	UL Listing means that UL has tested representative samples of the product and determined that it meets UL's requirements. These requirements are based primarily on UL's published and nationally recognized Standards for Safety. This icon indicates compliance with both Canadian and US requirements.

# Compatibility Chart

HES		Folger Adam	Adams Rite	Von Duprin	RCI	Trine	Rofu
Complete One Box Solutions	Standard Models						
1006CS, 1006CLB	1006J	712-75, 732-75		6211	F2164	4100	
1006CS, 1006CLB,	1006K, 1006KD, 1006KM	742-75		6210	F2164	4100	
1006CS, 1006CDB,	1006A, 1006AD, 1006AM						
1006CS, 1006CDB,	1006N, 1006ND, 1006NM			6210	F2164		
1006CS, 1006CDB,	1006T, 1006TD						
1006CS, 1006CDB,	1006H, 1006HD, 1006HM				F2164		
1006CS, 1006CDB,	1006E						
1006CS	1006Z						
	1006R						
	1006J2	310-2, 310-2 3/4		6215, 6224, 6226			
1006CDB-2	1006H-2	310-3-1		6216			
4500C		742-75	7240, 7270	6210	F2164	4100	
5000C	5000-501		7140, 7340, 7410, 7411	5100	L6514		1402, 1702
5000C	5000-501A		7101, 7160, 7300, 7440	5100	L6504		1402R, 1702R
	5000-502		7110, 7310, 7410	5100	L6508		1404, 1704
	5000-503		7130, 7430		L6507		1403, 1703
	5000-504						
5200C	5200-501			5100	S6514, 7114, 7314	2012	1402, 1702
5200C	5200-501A			5100	S6504, 7104, 7304		1402R, 1702R
	5200-502			5100	S6508, 7108, 7308	2002	1404, 1704
	5200-503				S6507, 7107, 7307	2678	1403, 1703
	5200-504						

HES

FOLGER ADAM

INTEGRATED PRODUCTS

CABINET LOCKS

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# Compatibility Chart

HES		Folger Adam	Adams Rite	Von Duprin	RCI	Trine	Rofu
Complete One Box Solutions	Standard Models						
7000C	7000-791	712, 732	7400, 7401, 7440				
7000C	7000-792		7410, 7411				
	7000-783		74R1, 74R2				
	7000-786						
	7000-789						
7501	7501						
8000C	8000-801, 8000-801A						
	8000-801E, 8000-802, 8000-803						
	8500 Series						
9400	9400						
9500	9500			6300	F0162		
9600	9600				0162		
		310-20B		6222, 6225			
		310-4		6212			
		310-4S					
		310-4-1, 310-4-2, 310-4-3, 310-4-30					
		310-6-1, 310-6-2, 310-6-3, 301-6-8, 310-6-30					

NOTE: This chart is offered as a convenience only. Reference should be made to the individual manufacturer's catalogs for complete data as to exact equivalents. There may be some variation in physical size, electrical characteristics and durability between strikes of different manufacturers. HES assumes no liability for differences between items compared. When compatibility is a concern, contact Customer Support at 800-626-7590 for application assistance. NOTE: The 109 trim adapter may be required for a neater appearance in retro fit applications where the strike lip dimensions exceed 3-3/8".

NOTE: This chart details the HES and Folger Adam products that can replace competitors products, but not necessarily the reverse.

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# Terms & Conditions

## Standard Terms & Conditions

The following Terms and Conditions (“Terms”) apply to the sale by Hanchett Entry Systems, Inc. (“HES”) of HES products and services (“HES products”).

All transactions are subject to the latest published Terms except to the extent modified by a written agreement between the purchaser and HES executed prior to an accepted order. The purchaser agrees that HES’ acceptance of any purchase order delivered by purchaser is subject to and conditioned upon these Terms. Purchase orders, quotation requests, or acknowledgements which have clauses contrary to these Terms are not binding on HES, unless specifically approved in writing by an authorized agent of HES. No order shall be binding on HES until received and approved by HES. HES expressly reserves the right to correct clerical, stenographic, and other obvious errors at any time.

## Pricing

All prices are subject to change without notice. No prices are guaranteed. All shipments will be made at prices prevailing at the time of acknowledgment.

## Payment Terms

Standard terms are net 30 days of invoice date.

## Credit Terms

Credit terms must be established by completing an HES credit application and submitting it to HES for approval. Accounts not paid within 30 days of the date of the invoice will be considered past due, with interest accruing at 2%

per month beginning on the 31st day after the date of the invoice. An order received on an account which has not been paid within 45 days from the date of invoice will not be processed until the account is current. An account remaining unpaid 60 days after the date of the invoice may be referred for collection and credit will be cancelled. HES reserves the right to revoke any credit extended to a purchaser because of purchaser’s failure to pay for any goods when due or for any other reason deemed good and sufficient by HES, and in such event all subsequent shipments shall be paid for on delivery.

## Freight Terms

All goods are delivered for shipment from the HES plant in Phoenix, Arizona. Purchaser agrees to pay the trucking, railway and freight charges on the goods from the point of shipment to the destination. Purchaser assumes the risk of loss or damage to the goods while in transit from the point of shipment.

## Delivery

Delivery is contingent upon conditions at time of order and is subject to change. HES shall not be liable for failure or delay in shipping goods if such failure or delay is due to an act of God, war, labor difficulties, accident, inability to obtain containers or raw materials, or any other causes. Any claims of shortages must be made within 30 days of shipment and are subject to approval. HES reserves the right to make delivery in installments. Installments shall be separately invoiced and paid for when due, without regard to subsequent deliveries. Delay in delivery of an installment shall not relieve the purchaser of its obligation to

accept remaining deliveries.

## Changes & Cancellations

Changes to or cancellations of orders must be made in writing and delivered by email, fax or regular mail. Cancellations made after HES has issued an order acknowledgment are subject to HES approval, and are subject to a \$25 processing fee in addition to any cost incurred by HES as a result of the original order.

## Warranty

HES products are generally governed by an express, limited warranty (“Warranty”). All new HES products are warranted to be free from manufacturing or design defects for a period, from date of manufacture, as follows:

### 1 Year ‘Hassle-Free’ Guarantee:

All HES products, including all Series electric strikes, electromechanical locks, security controls, power supplies and electrical components.

### Mechanical Components

#### Warranty:

- 3 Years: 7000 Series electric strikes and 660 electromechanical locks
- 5 Years: 1006, 4500, 5000, 5200, 7500, 8000, 8300, 8500, 9400, 9500 and 9600 Series electric strikes
- Lifetime: Integrated products.

### Electrical Components Warranty:

- 1 Year: All series electric strikes
- 3-5 Years: Installing a SMART Pac III® power controller with any new product extends the 1 year warranty on electrical components, including the SMART Pac III®, to the 3-5 year warranty term applicable to each

Series mechanical components as outlined above

### **Lifetime:** Integrated products.

The scope of this Warranty shall be limited to the replacement, but not installation, of the defective products. This Warranty is valid in the USA and Canada only. This Warranty also does not apply to products that have been misused or damaged by accident or by any acts of humans (other than HES personnel), war, terrorism, animals, pressure, biological, nuclear, or chemical agents, nature or the government or altered or repaired outside the HES factory. The purchaser accepts the products “as is”. HES MAKES NO OTHER WARRANTY EXPRESS OR IMPLIED; AND ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH EXCEED THE LIMITS OF THE FOREGOING WARRANTY, ARE HEREBY DISCLAIMED BY HES.

### **Procedure for Claiming Under Warranty or Returns**

Requests to return HES products should be made within 18 months from date of order and HES reserves the right to request date of manufacture and other product information. On goods returned for customer convenience, HES also reserves the right to request original packaging. An RMA (Return Material Authorization) must be obtained from authorized personnel of HES before any HES product may be returned. Upon inspection by HES, a decision will be made to repair, replace, or issue a credit for the HES product. This decision will be made solely by HES in accordance with the provisions of these Terms. Obsolete products will not be accepted for return. Transportation charges and insurance on all returned

materials must be prepaid by the purchaser. On goods returned for customer convenience, when the purchaser returns materials in compliance with these Terms which are accepted by HES, the purchaser may be issued a credit for 65% of the purchase price, with 35% charged by HES for handling and reprocessing. All refunds will be in the form of a credit.

### **Limitation of Liability**

To the extent permitted by law, HES and its agents and affiliates (collectively “HES Parties”) shall not be responsible for, and the purchaser hereby assumes the risk of, and hereby releases HES for any damages or injury whatsoever (including, without limitation, incidental or consequential damages, damages for lost profits or business interruption, and punitive damages) caused by or related to any use of HES Products, regardless of any error, omission, interruption, defect, failure of performance, delay in operation or transmission, even if HES has been advised of the possibility of such damages. If, notwithstanding the foregoing limitations, HES has any liability to the purchaser despite the foregoing limitations, the purchaser agrees that the HES’ total liability to the purchaser for all losses, damages, and causes of action, whether in contract, equity, tort (including without limitation, negligence and gross negligence), or otherwise, will not exceed the amount the purchaser paid to HES for the HES products. Any action or arbitration brought against the HES pertaining to or in connection with the HES Products must be commenced and served upon HES within one (1) year after the date the cause of action arose,

and not thereafter. Failure to abide by such deadline will constitute a complete defense for the HES Parties to the purchaser’s claims.

### **No Third Party Liability**

If the purchaser uses the HES Products on behalf of others or provides to others any products referenced herein, the HES Parties shall have no liability to such persons whatsoever, and the purchaser agree to defend and indemnify the HES Parties from any and all claims and demands asserted against them, and from any legal fees, costs and other expenses that the HES Parties incur therewith.

### **Governing Law and Jurisdiction**

These Terms are governed by the laws of the State of Arizona, U.S.A. but without regard to its principles of conflict of laws. For any interpretational disputes relating to, or claims arising from, these Terms, the purchaser agrees to the exclusive jurisdiction of the Superior Court of Arizona in Maricopa County, provided, however, that such restriction shall not apply to legal actions initiated or brought by HES. Upon request by HES, all disputes concerning and claims arising from the foregoing shall be referred to binding arbitration in Maricopa County, Arizona by an arbitrator selected only by the Superior Court of Arizona in Maricopa County. The purchaser hereby waives its right to a jury with regard to claims against the HES Parties hereunder. The language used in these Terms shall not be construed.

# Trademark Usage: ASSA ABLOY Americas

The following policy (“Policy”) of ASSA ABLOY Americas (“ASSA ABLOY”), and all of its affiliated group companies (collectively, the “Group Companies”), applies to the use of certain intellectual property of all such Group Companies, including all trademarks, names, logos, product images, and related information (the “ASSA ABLOY Marks”). ASSA ABLOY Marks are proprietary and critical to the success of ASSA ABLOY and the Group Companies, and may only be used in strict compliance with this Policy.

This Policy covers any person or entity reselling any product of any Group Company with the consent of such Group Company (each, an “Approved Reseller”). Each Approved Reseller has a non-exclusive right to use certain of the ASSA ABLOY Marks relating to any of the Group Companies for which it is an Approved Reseller, subject to the following conditions:

1. Approved Reseller’s use of ASSA ABLOY Marks must be truthful, fair, and not misleading;
2. Approved Reseller’s advertising must clearly indicate that it is advertising of the Approved Reseller, and is not advertising of ASSA ABLOY;
3. Approved Reseller may not use any ASSA ABLOY Marks as part of or in connection with a domain name;
4. Approved Reseller’s advertising must not imply or suggest an association between the Approved Reseller and ASSA ABLOY other than that of buyer and seller;
5. Approved Reseller’s use of

ASSA ABLOY Marks must be a positive representation of ASSA ABLOY, the Group Companies, and their products;

6. Approved Reseller’s trade name must be more predominant on Approved Reseller’s advertising than the ASSA ABLOY Marks;
  7. Approved Reseller’s use of ASSA ABLOY Marks must include the trademark symbol ® or TM, as appropriate, along with the following trademark legend printed in legible text on the Web page or document containing ASSA ABLOY Marks: “HES and Folger Adam Electric Door Controls are trademarks or registered trademarks of ASSA ABLOY, Inc. or one of its affiliates in the United States and other countries.”;
  8. Approved Reseller must not make modifications of any ASSA ABLOY Marks; and
  9. Approved Reseller may use only ASSA ABLOY Marks associated with the Group Companies for which it is an Approved Reseller (e.g., an Approved Reseller that sells Group Company X products but not Group Company Y products may use Group Company X trademarks in connection with its sale of Group Company X products, but may not use Group Company Y trademarks).
- ASSA ABLOY reserves the right to review Approved Reseller’s usage of ASSA ABLOY Marks at any time and may:
- a. require changes to the use of ASSA ABLOY Marks at any time in its sole discretion, which changes must be implemented

within 30 days of written notice to Approved Reseller;

- b. condition the use of ASSA ABLOY Marks on ASSA ABLOY’s prior approval of such use, which approval may be withheld in its sole discretion;
- c. revoke permission to use ASSA ABLOY Marks at any time for any or no reason upon 30 days prior written notice to Approved Reseller; and
- d. revoke permission to use ASSA ABLOY Marks immediately upon notice to Approved Reseller in the event Approved Reseller is in violation of this Policy, or of any other agreement with ASSA ABLOY or any Group Company.

Approved Reseller’s right to use ASSA ABLOY Marks in no way conveys to Approved Reseller any proprietary or economic interest in any ASSA ABLOY Marks.

Use of ASSA ABLOY Marks in violation of this Policy may result in severe civil and criminal liabilities. ASSA ABLOY will vigorously enforce this Policy by seeking all appropriate legal remedies, including, but not limited to, pecuniary damages and injunctive relief.



# HES Received Silver Level of LEED Certification

## Our Sustainability Initiative

ASSA ABLOY's drive to make sustainability an integral part of its business philosophy and culture is apparent in the newly constructed ASSA ABLOY Phoenix building. The Phoenix, Arizona home of Group brands Adams Rite, HES and SECURITRON incorporates sustainable construction methods that have earned the facility LEED® (Leadership in Energy and Environmental Design) Silver certification from the United States Green Building Council (USGBC).

## About the United States Green Building Council (USGBC)

USGBC is an internationally recognized organization that provides the LEED rating system, a concise framework for identifying and implementing practical and measurable design, construction and operation of high performance green buildings. The Phoenix facility is the first ASSA ABLOY Americas building designed to the LEED Silver level.

## Going Green

HES and Securitron completed the move to the 94,000 square-foot Phoenix facility in August of 2011. When designing the facility, one main priority was to make it as eco-friendly as possible. ASSA ABLOY Phoenix incorporated a wide variety of building design features to help improve energy efficiency, air quality and sustainability.

## Reduced Energy and Water Waste

New mechanical and electrical systems include a highly efficiency air conditioning system, plus Energy Star® appliances and equipment. The building features skylights, automatic controls and sensors that conserve

energy as well as lights on motion sensors and timers for climate control. Upgraded insulation and reduced water consumption for plumbing fixtures reduce energy and water usage. Employees in the new building benefit from improved interior air ventilation.

## Reduced Carbon Footprint

Site features that contribute to the Silver LEED rating include close proximity to a variety of services for employees and the use of native plants in landscaping for reduced irrigation water use. Bicycle parking and shower facilities support a reduced carbon footprint.






## Other Sustainable Practices

Sustainable practices used in the construction process include recycling and minimizing construction waste, using FSC-certified wood, and low VOC emitting paints, adhesives, and other surfaces throughout the building. Air was also filtered during construction to reduce the spread of dust.




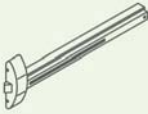
Employees and guests play a significant role in making the work environment healthy and sustainable. Recycling bins are strategically located throughout the building to facilitate recycling for operations and employees. Signs located throughout the building and internal action committees help educate guests and employees of the "green" features of the space and its smoke-free work environment. Environmentally responsible cleaning practices are used to maintain the building.

ASSA ABLOY Phoenix received formal conveyance of its LEED Silver certification in 2012, and enjoy the opportunity to showcase our new home as an example of ASSA ABLOY's commitment to sustainability.

# Lock Cross Reference

ANSI Lock	Description	Manufacturer	Electric Strikes
  	<p><b>Mortise locksets</b> Mortise lockset without a deadbolt</p>	<p><b>Arrow, Baldwin, Best, Marks, Omnia, PDQ</b></p>	<p>1006CS 1006CLB, RF1006CLB, IC1006CLB 1006KM, RF1006KM, IC1006KM 4500, RF4500, IC4500 742-75</p>
		<p><b>Corbin Russwin ML2000 and Arrow</b></p>	<p>1006CS 1006CLB, RF1006CLB, IC1006CLB 1006KM, RF1006KM, IC1006KM 4500, RF4500, IC4500 8500-852K, RF8500-852K, IC8500-852K 742-75</p>
		<p><b>Sargent 7700, 8100 Schlage L*</b></p>	<p>1006CS 1006CLB, RF1006CLB, IC1006CLB 1006KD, RF1006KD, IC1006KD 4500, RF4500, IC4500 8500-851M, RF8500-851M IC8500-851M (Sargent 8100 only) *8500-852L, RF8500-852L, IC8500-852L (Schlage L) 742-75</p>
		<p><b>Sargent 8200, 9200</b></p>	<p>1006CS 1006CLB, RF1006CLB, IC1006CLB 1006KM, RF1006KM, IC1006KM 8500-851M, RF8500-851M IC8500-851M 742-75</p>
		<p><b>Accurate, Falcon, Kaba Ilco/Unican, Yale 8700</b> (manufactured before 2005), Yale 8800</p>	<p>1006CS 1006CLB, RF1006CLB, IC1006CLB 1006KD, RF1006KD, IC1006KD 4500, RF4500, IC4500 8500-852M, RF8500-852M, IC8500-852M</p>
    	<p><b>Mortise locksets</b> Mortise lockset with a 1" deadbolt</p>	<p><b>Accurate, Almet, Arrow, Baldwin, Best, Marks, Corbin Russwin, Falcon, Omnia, PDQ Schlage</b></p>	<p>1006CS 1006CDB, RF1006DBL, IC1006CDB 1006AM, 1006HM, 1006NM, 1006T</p>
		<p><b>Sargent, Yale</b></p>	<p>1006CS 1006CDB, RF1006DBL, IC1006CDB 1006AD, 1006HD, 1006ND</p>

# Lock Cross Reference

ANSI Lock	Description	Manufacturer	Electric Strikes
	<b>Cylindrical lockset</b> Latchbolt for aluminum stile doors	All manufacturers	5000, RF5000, IC5000 7000, RF7000, IC7000 5200, RF5200, IC5200
	<b>Cylindrical lockset</b> Cylindrical lockset up to 5/8" throw	All manufacturers	1006CS 5000, RF5000, IC5000 7000, RF7000, IC7000 8000, RF8000, IC8000 8300, RF8300, IC8300 V3 712 310-2
	<b>Cylindrical lockset</b> Cylindrical lockset up to 3/4" throw	All manufacturers	1006CS, 1006CLB, RF1006CLB, IC1006CLB 1006J, RF1006J, IC1006J 5200, RF5200, IC5200 4500, RF4500, IC4500 7500, RF7500, IC7500 712-75 310-75
	<b>Rim mounted</b> Rim mounted exit device up to 1/2" throw	All Manufacturers	7000-789, RF7000-789, IC7000-789 9400, RF9400, IC9400
	<b>Rim mounted</b> Rim mounted exit device up to 3/4" throw	All Manufacturers	7000-783, RF7000-783, IC7000-783, 7000-786, RF7000-786, IC7000-786 9500, RF9500, IC9500 9600, RF9600, IC9600 310-4
	<b>Rim mounted</b> Rim mounted exit deadbolt	Corbin Russwin (Secure Bolt), Yale (Square Bolt)	310-4S

- HES and Folger Adam electric strikes are designed to be installed in accordance with the ANSI/BHMA A156.31 4-7/8" jam preparation.
- When accommodating a cylindrical lock, the electric strike is to be installed centerline to centerline.
- When accommodating a mortise lock, the centerline of the electric strike is to be installed 3/8" above the centerline of the mortise lock, except as noted for individual strikes. Folger Adam 712 series and 310 series will need special alignment with used with a mortise lock.
- HES electric strikes are all non-handed and designed for installation in hollow metal, concrete filled metal, aluminum and wood jambs.
- Folger Adam electric strikes are all non-handed and designed for installation in hollow metal, aluminum and wood jambs.

HES

FOLGER ADAM

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hesinnovations.com

## USA

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**800.626.7590**

**p** 623.582.4626

**f** 623.582.4641

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hesinnovations.com

**HES, Inc**  
Phoenix, Arizona

## CANADA

Customer Support  
**800.461.3007**

**f** 800.461.8989

**assaabloys.ca**

ASSA ABLOY DSS Canada  
Vaughan, Ontario



**ASSA ABLOY**

ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience

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