

**STANLEY®**

Express-Swing™ Door System

Operation and Maintenance Manual

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## **Welcome to your new automatic door.**

We've provided you with an owner's manual to familiarize you with your automatic door system. It is essential that you "know your system", how it operates and how to maintain it to be compliant with the industry standards for safety. It is your responsibility, as owner or caretaker of the equipment, to inspect the operation of your door system on a daily basis to ensure that it is safe for all door users.

Within this manual you will find a description of the operation and maintenance requirements of your door system, as well as the instructions for the "Daily Safety Check" procedure. It is suggested that the "Daily Safety Check" be performed at least once a day and after any power outages. Occasional observance of the doors as they are in use is also recommended.



## General Information

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### Service Availability

STANLEY Access Technologies LLC products are distributed through a nationwide network of STANLEY-owned branch locations and authorized distributors that specialize in Sales, Installation and Service of automatic door systems. Our Service programs offer you ongoing support such as regularly scheduled preventive maintenance, or if required, emergency service 24 hours a day, 365 days a year. No matter where you are located, our technicians are only a phone call away. Should you need service on your door system **our customer support hotline is available 24/7 at 888-DOOR-444.**

### Limited Warranty

STANLEY Access Technologies LLC, a Division of Stanley Black & Decker, Inc., warrants the installed door system against failure due to manufacture of substandard material or workmanship for one year beginning on the completed date of installation. Please review your Certificate of Warranty Agreement for your full Warranty.

### Compliance with Industry Standards

Your door system was designed to comply with the latest revision of the operating and safety standards as prescribed by ANSI/BHMA A156.19 and UL325 requirements. It is important that:

- Your door system be maintained in compliance with the standards of the industry.
- Proper decals and labels be applied and maintained on your doors. If decals have been removed or cannot be read, request that the labels be replaced when calling for service.
- Safety devices are checked by a trained technician annually and each time a door is serviced.



## Contact Information

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STANLEY Access Technologies

65 Scott Swamp Road

Farmington, CT

[www.stanleyaccess.com](http://www.stanleyaccess.com)

Customer Support: 800-7-ACCESS

Telephone: (860) 677-2861

Fax: (877) 339-7923

Service: 888-DOOR-444



## Caution

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**An improperly adjusted** door can cause injury and equipment damage.

- Inspect door operation daily using safety checklist in Owner's Manual and at door.
- Safety devices should be in place and operational.
- Have door adjusted as recommended in Owner's Manual if necessary.
- Have door inspected at least annually by a STANLEY certified technician.

Should the door fail to operate as prescribed in the "Daily Safety Check", or at any other time for any reason, do not attempt to repair or adjust the door. Discontinue operation of the door and call for service by a STANLEY certified service technician. Our technicians are trained to service your door in accordance with applicable industry safety standards.

\*In this manual, the word "Caution" means that injury or property damage can result from failure to follow instructions.

\*The word "note" is used to indicate important steps to be followed or important differences in equipment.



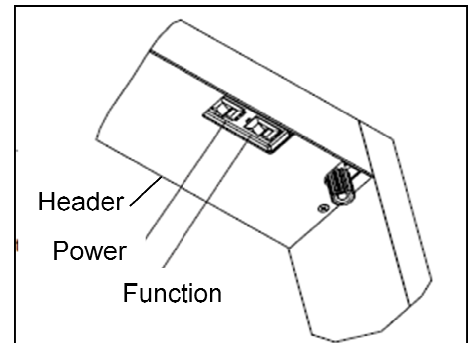
## Functional Basics

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**How it works:** The Express-Swing is a power open / power close system that is activated by a push plate or other knowing act device. The system can also be opened manually and it will power close. This system has a unique advantage over a typical swing door system as the panels open in the direction of travel, swinging away from the pedestrian.

**Opening and closing:** The Express-Swing can be opened with the touch of a button or opened manually. In case of a power outage the Express-Swing will function as a manual door. It will need to be opened and closed manually.

**Switches:** The Express-Swing is equipped with a power and function switch assembly for customer convenience. The switch assembly is mounted on the underside of the header.



The modes of the power switch are:

- ON – Allows power to be provided to the door system
- OFF – Removes power to the door system

The modes of the function switch are:

- AUTO – Allows the door to function automatically
- OFF/CLOSED – The door will not respond to the activation devices
- HOLD OPEN – Allows the door to remain in the full open (hold open) position.

**Sensors and Controls:** The sensor system uses a combination of active infrared technology and microprocessor technology to provide maximum user safety at all times. Sensors continually monitor the swing path area. The microprocessor interprets this information and prevents the door from opening and closing, if any pedestrians or other obstructions are present.



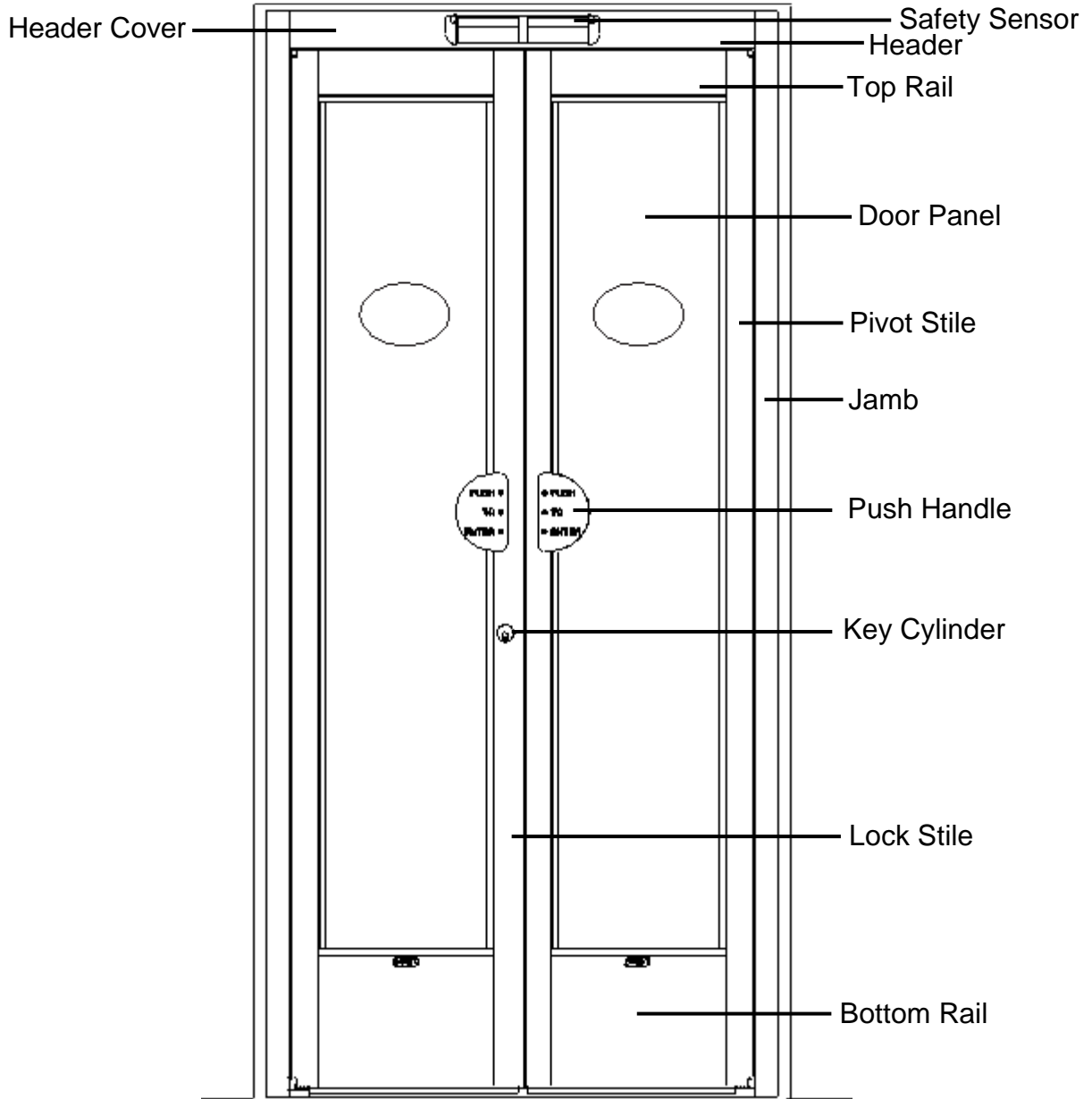
**Activating Device:** A wall switch is used as an activating device for the system. The activation device can be either push switch or a touch free device.

**Powering the Door System:** Use the following steps to power the door system.

- Ensure that the swing path on both sides of the entrance are clear, the door is unlocked and that the door panels manually swing freely in both the inward and outward direction. Also confirm that the door system is in good working order.
- Begin with the door in the closed position. From the inside, move the panels slightly outwards to allow access to the function and power switch located on the underside of the header. Set the function switch to "AUTO" and then set the power switch to "ON" position. Manually move the panels in the outward direction beyond halfway and step back out of the swing path and sensor zone. The door will then move automatically to the fully open outward position. Allow the overhead sensors to tune, a green flashing light will be active while the overhead sensors are tuning. After the sensors have tuned, the door will then return to the closed position.
- Upon completion of this cycle the system is ready for use. If the door does not respond as described repeat the steps above. If the door system does not respond after several attempts set the power switch to off and call your service representative.

Figure A –  
Express-Swing Drawing

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## Daily Safety Check

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**Keeping your door performing its best:** An automatic door is an assembly of mechanical, electrical and electronic components that make up a system to provide convenience and safety to all users. Lack of maintenance on your door equipment can have significant implications on the cost of ownership. STANLEY's total service and properly scheduled maintenance will extend the life of your equipment and keep it performing to its full potential.

For your customers' safety and your own protection perform this safety check on each automatic swinging door **daily** and after any power outage or generator test.

**Entrance:** Check the door area.

1. Check the door area for tripping or slipping hazards.
2. Check the overall assembly and that all door and frame components are firmly attached.
3. Check all door panels for broken or cracked glass. There should be no bulletin boards, literature racks, merchandise displays, or other attractions in the door area where people could be hit by the door.
4. Door should have decals properly displayed. (See Figures A and B)

**Sensors:** The sensors that are used have detection zones that are invisible to the eye. A walk test of the zones will give an indication of proper sensor operation.

1. Walk towards the door from several angles. When you are about 18" away the red light on the overhead sensor should turn on. Repeat this step for both sides of the door.
2. Activate the door via the push plate or hands free activation device. Walk through the doorway and into the "sensor zone" (the area the door swings through while opening). While standing in the sensor zone the door should remain open.
3. Walk out of the "sensor zone". After a brief time delay, the door should close to the fully closed position and stop without impact. Repeat Steps 2 and 3 for both sides of the door.
4. With the door closed walk into the "sensor zone". Have a second person active the door via the push plate or hands free activation device from the opposite side. The door should remain closed as long as you are in the "sensor zone". Repeat this step for both sides of the door.

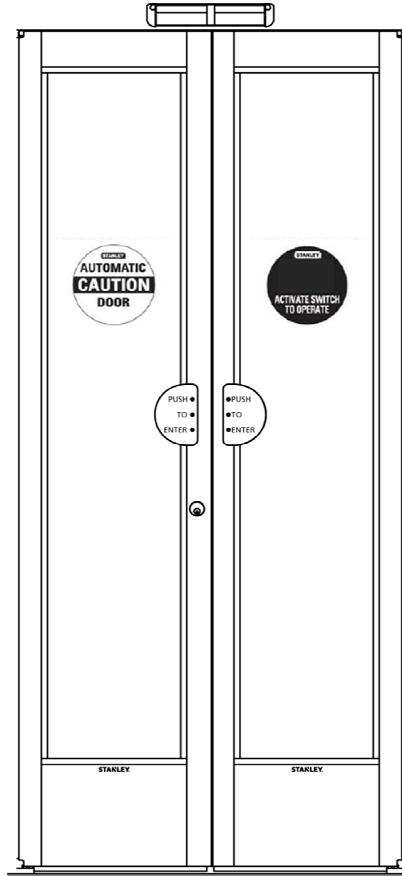
**If you have a problem you cannot correct, turn off the door operating equipment and call your service representative.**



## Figure B - Typical STANLEY Express-Swing Decal Application

All low energy doors shall be marked with a sign, visible from both sides of the door, with the words “**AUTOMATIC CAUTION DOOR**”. The sign shall be mounted on the door at a height 50” +/- 12” from the floor to the center line of the sign.

**When a separate wall switch is used** to initiate the operation of the door operator, the doors shall be provided with signage that states “**ACTIVATE SWITCH TO OPERATE**” along with other required signage. The “**ACTIVATE SWITCH TO OPERATE**” sign(s) should be on the side(s) of the door having the Knowing Act switch.



Exterior View

### DECALS INCLUDED

TWO SIDED P/N 410796



SIDE 1 and SIDE 2

TWO SIDED P/N 413743



SIDE 1 and SIDE 2



P/N 412266 OR  
P/N 417616 (D-4890)

A “**Daily Safety Check**” decal has also been provided as a reminder that your automatic swing door equipment must be checked daily for safe operation. Affix this decal to the inside jamb tube.



## Troubleshooting and Hints

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Issue	Possible Cause	Solution
Door will not open		
	No power	Ensure the building circuit breaker is on. Follow "Powering the Door System" instructions found on page 5 of this manual.
	Function switch set to "Off/Closed"	Turn function switch to "Auto"
	Door locked	Unlock door
	Power failure	Turn on/off power switch to "off" position for 15 seconds. Follow "Powering the Door System" instructions found on page 5 of this manual.
	Object in the swing path	Remove obstruction in swing path and move the door panel manually. Door must move freely
	Bad activation sensor	<b>Call for service - 1-888-DOOR-444</b>
		<b>Call for service if all the checks have been made and the door still does not open</b>
Door will not close		
	Object in the swing path	Remove obstruction in swing path and move the door panel manually. Door must move freely
	Function switch set to "Hold Open"	Turn function switch to "Auto"
	Bad activation sensor	<b>Call for service - 1-888-DOOR-444</b>
Door opens too far		
	Broken door stop	<b>Call for service - 1-888-DOOR-444</b>
Door opens too soon or too late		
	Sensor not working	<b>Call for service - 1-888-DOOR-444</b>
Door slams at full open or full close		
	Door not adjusted	<b>Call for service - 1-888-DOOR-444</b>