

STANLEY®

Pro-Care™ 8500 Manual & 8500A
Automatic ICU Sliding Door System
Owner's Operation and Maintenance
Manual

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To Our Customers:

We've provided you with an owner's manual to familiarize you with your Pro-Care™ 8500 Manual or 8500A Automatic Sliding 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

Service Availability

Allegion 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 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

Allegion Access Technologies LLC, a Division of Allegion, 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 A156.10, ANSI/BHMA A156.38, and UL325. It is important that:

- Your door system be maintained in compliance with the standards and codes of the industry.
- Proper decals and labels be applied and maintained on your doors as applicable. 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

Allegion Access Technologies
65 Scott Swamp Road
Farmington, CT
www.stanleyaccess.com

Customer Support: 800-7-ACCESS
Telephone: (860) 677-2861
Fax: (877) 339-7923
Service: 888-DOOR-444



Caution

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 ALLEGION 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 ALLEGION 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 Description

This Allegion Access Technologies Pro-Care™ 8500 Manual and 8500A Automatic Sliding Door System is designed specifically for this highly important hospital environment with many functions developed to meet the requests of hospital professionals and end-users. AAT Engineers work tirelessly to ensure that the functions and features of our Pro-Care™ 8500 Manual and 8500A Automatic Sliding Door Systems provide wide clear door opening, easy access to patients and equipment, and functional ease of use.

The Pro-Care™ 8500 Manual and 8500A Automatic Sliding Door System is a sliding door system designed for, but not limited to, intensive care unit (ICU) applications with two methods of operation (automatic or manual use). The Pro-Care™ 8500 and 8500A is designed to be intuitive to the end user for sliding open and swinging out.

The Pro-Care™ 8500A Automatic Sliding Door System can be configured to be provided with touchless wave sensors for automatic use. The door system is available for Low-Energy applications where the door operates at reduced speeds and stays in the fully open position for longer. If the door system is configured for Full-Energy applications, the door is equipped with an overhead sensor for safety protection. In addition to the overhead sensor, the microprocessor controller contributes to safety with its built-in logic function that reverses the door operation in the unlikely event an obstacle prevents the door from closing. For the utmost privacy in the hospital environment, the Pro-Care™ 8500A Automatic Sliding Door System is available with privacy glass blinds or electrified privacy glass.

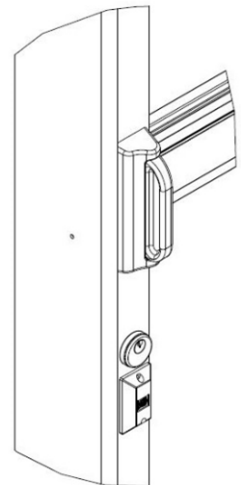
The door system consists of complex mechanical and electrical components and sub-assemblies. Lack of maintenance on your door equipment can have significant implications on the cost of ownership.

Stanley's total service and properly scheduled maintenance will extend the life of your equipment and keep it performing to its full potential.

Operation – Manual Sliding Door Systems

Operation of the Pro-Care™ 8500 Manual Sliding Door System is basic and simple. Use the handle to manually push the sliding door panel open or close. If the door is equipped with a self-closer, the door may automatically close. Manually push the door open to overcome the self-closer.

- If the door package is equipped with a positive latch, simply push the handle in the open direction to disengage the latch from the jamb or adjacent panel.
- If the door package is equipped with a 1-point lock, simply rotate the thumb-turn or use a key to unlock the door from the jamb. The exit indicator will change from “LOCKED” to “OPEN” to indicate that the 1-point lock is no longer engaged.



Operation – Automatic Sliding Door Systems

Power:

The main power switch for the Pro-Care™ 8500A Automatic Sliding Door System is located on the jamb tube (see image). The switch is illuminated a red color when the power is on. This switch should not be turned off unless the door is being serviced.

Automatic:

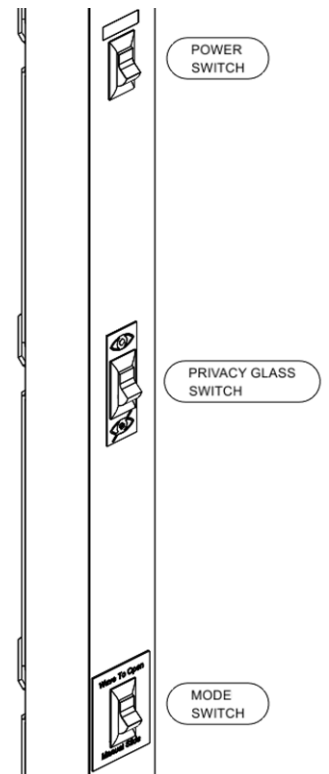
Operation of the Pro-Care™ 8500A Automatic Sliding Door System is based upon the mode switch which is located on the jamb tube (see image).

- Wave to Open
 - In this mode, the touchless wave sensors will send a signal to the microprocessor controller to automatically slide open the door panel
- Manual Slide
 - In this mode, the door panel must be manually slid open or closed. The moving panel should move freely and easily by hand without binding

Privacy Glass (Optional):

The Pro-Care™ 8500 Manual and 8500A Automatic Sliding Door System is available with an electrified privacy glass option. This option allows the electrified glass to appear transparent or translucent for additional privacy. To activate the electrified privacy glass, an optional jamb mounted mode switch is available (see image) or the switch may be mounted remotely

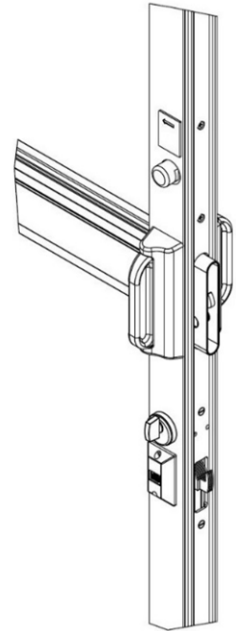
- “Privacy” or Closed Eye
 - In this mode, the door has translucent glass
- “Clear” or Opened Eye
 - In this mode, an electric current makes the doors glass transparent



Swing Out

One important feature is the ability to “swing out” the door panels to aid the egress of patients and equipment. To enable the swing out feature, use the following procedure:

- Move the sliding panels to the fully open position or activate using the touchless wave sensor in the “Wave To Open” mode (automatic doors only)
- Push the round swing out button located on the sliding panel. All panels will swing out together
- Swing out panels to 90° to obtain the greatest opening
- To re-engage the door panels, simply push the swung doors closed to original position. Do not hold the swing button upon return as the swing mechanism is spring-loaded and will automatically reset
- Slide the door panels as desired or allow the door panel to automatically close if in the “Wave To Open” mode (automatic doors only)



Note:

- If a automatic sliding door panel is partially swung out, the Power Assist feature will be disabled and the door will safely shut off the motor. In this event, simply push/pull the panels towards the original slide position to reset the panel from swung out

Power Loss (Automatic Doors Only)

In the unlikely event of a power loss, the microprocessor controller of the Pro-Care™ 8500A Automatic Sliding Door System will need to be re-initialized. Perform the following steps as needed:

1. Turn the “POWER” switch to the “OFF” position (non-illuminated)
2. Ensure the doors are in the normal sliding position (not swung out)
3. Turn the “POWER” switch to the “ON” position (illuminated)
4. If the door was not fully closed on power up, the door panel will begin to open slowly. Allow the door to open completely without any interruptions
5. Upon reaching the fully open position, the door panel will begin to close. Allow the door to close completely without any interruptions
 - a. If the power was turned “ON” when the door was in any position other than full open, the door will not close slowly for the entire door length but instead close at normal speed for the door travel that has already been “learned”. Stay clear of the door path during power initialization
6. The door is now ready for normal operation



Daily Safety Check

Housekeeping

General housekeeping maintenance should be provided by the owner or responsible person in charge. Check the door area for tripping or slipping hazards. There should be no bulletin boards, literature racks, merchandize displays, or other attractions in the door area where people could be hit by the door. It is recommended that any debris in the door's path be vacuumed out or swept away.

Daily Maintenance

Allegion Access Technologies recommends that the doors are inspected daily to ensure performance and safety. Please perform the following before the beginning of each day:

1. Check the door area for slipping or tripping hazards.
2. Check all door panels for broken or cracked glass. If broken or cracked glass is detected, contact our call center at 888-DOOR-444 immediately.
3. Ensure the swing out mechanism is properly re-engaged to allow normal slide operation.

Sensors (Automatic Doors Only)

For Pro-Care™ 8500A Automatic door system packages configured for Full-Energy application, overhead safety sensors are provided to detect the presence of objects in the door path. 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. With the mode switch in the "Wave to Open" position, the following should be done for all automatic door packages:

1. Walk towards the door from several different angles. When you are approximately two feet 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 touchless wave sensor or manually. Walk through the doorway and into the threshold "sensor zone" (the area the door slides through while opening). Stand in the threshold sensor zone in several locations, the door should remain open.
3. Exit the "sensor zone". After a brief time-delay, the door should close to the fully closed position and stop without impact. Repeat Steps 2 & 3 for both sides of the door.

***If a problem exists that cannot be reset, turn off the door operating equipment and call a service representative**

Cleaning

Allegion Access Technologies recommends that you clean the Pro-Care™ 8500 Manual or 8500A Automatic door system using the following procedure:

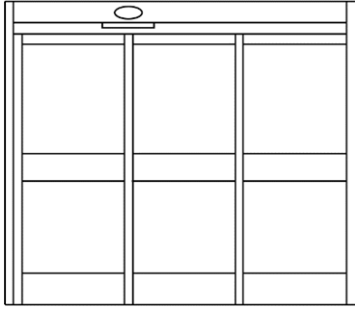
- Glass – Clean with water and a cotton cloth or use Windex™ or other like-product with a detergent and alcohol-based cleaner.
- Aluminum – Clean with a mixture of equal parts Windex or other like-product and Simple Green™ All Purpose Cleaner and a cotton cloth.
- DO NOT USE any product with Alkalide or other sodium-based product as it could deteriorate the aluminum finish.

Service and Preventive Maintenance

Allegion Access Technologies recommends routine and scheduled preventive maintenance for all manual and automatic door products. Contact your local, authorized Allegion Access Technologies product provider to arrange a regular maintenance schedule.

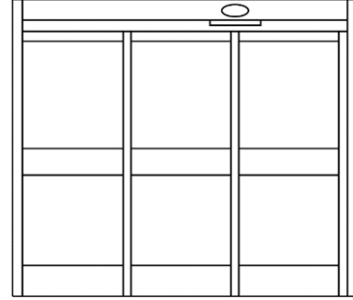
***If the door is not functional or is in need of repair contact Allegion Access Technologies at 888-DOOR-444 to schedule a service call**

Typical Allegion Slide Door Decal Application (Automatic)



Door Slides on Interior

Decals for Two-Way Traffic



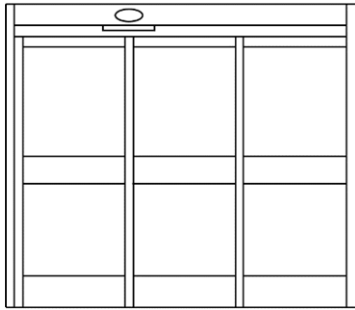
Door Slides on Exterior

“CAUTION: AUTOMATIC SLIDING DOOR, DOOR MAY CLOSE WITHOUT WARNING” decals must be visible from both sides of the door. Locate and affix the (Decals are applied in factory on typical doors)



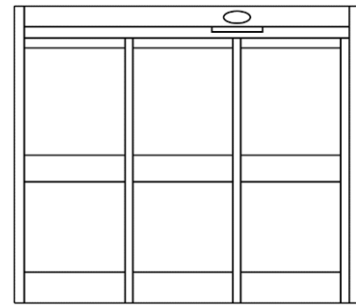
Sliding door packages must be marked with “CAUTION STAND BACK” decals visible from the side that the door slides on. The recommended mounting locations are:

- a) For units with swing sidelights, affix the caution decals to the muntin bar or glass on the interior side of the swing sidelight panel.
- b) For units with fixed sidelights, affix the caution decals to the muntin bar or glass on the exterior side of fixed sidelight panel
- c) For units without sidelights, affix the caution decals to the exterior wall or panel that the door slides in front of.



Approach Side

Decals for One-Way Traffic



Non-Approach Side

Sliding doors servicing ingress or egress must be marked with directional decals. The arrow sign must be visible from the approach side and an international “DO NOT ENTER” must be visible from the other side. Locate and affix the decals on the door 50” +/-12” from the finished floor.

KNOWING ACT DOORS – The door shall have signage which says “AUTOMATIC DOOR – ACTIVATE SWITCH TO OPERATE” along with other required signage visible from each side of the door.

Decals included:



Decals Ordered Separately:



P/N 413743

P/N 511164

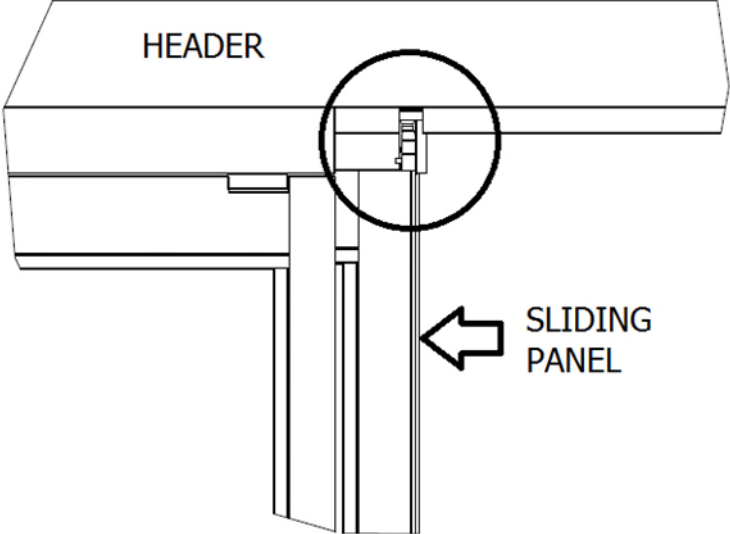
P/N 511165

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

For jurisdictions that the IBC code compliance requires “This Door Must Remain Unlocked During Business Hours” affix the decal on all exit doors. This decal is not supplied as part of the decal kit.



Troubleshooting and Hints

Possible Cause		Solution
Door Will Not Slide in Automatic or Manual Mode		
	Object in the slide path	Remove obstruction in slide path and move the door panel manually
	Door damaged (load wheel or self-closer malfunction)	Call for service - 1-888-DOOR-444
Door Will Not Unlatch		
	1-Point lock engaged	Use a key or the thumb-turn to unlock the door panel from the jamb
	Positive latch engaged	Manually push the handle assembly in the direction of slide to disengage the positive latch from the jamb
	Door damaged	Call for service - 1-888-DOOR-444
Door Will Not Latch		
	Panel misaligned with strike hook	Contact service technician to adjust panel height or adjust strike vertical position
	Panel hook does not contact electric strike (Automatic Door Only)	Adjust latch hook for engagement
Noise During Slide		
	Swing out mechanism partially engaged or not properly reset	Push the sliding panel towards the rotating panel to fully return and engage the swing mechanism
	Debris in door path	Clear out door path or floor area
	Door damaged or self-closer malfunction	Call for service - 1-888-DOOR-444
Door Panels Do Not Swing Out		
	Sliding panel not fully open	<p>Move the sliding panel to the fully open position to align the swing interlock with the header notch</p>  <p style="text-align: center;">HEADER</p> <p style="text-align: right;">SLIDING PANEL</p>

	Swing out mechanism still engaged	With the sliding panel fully open, push the round swing out button
	Door damaged	Call for service - 1-888-DOOR-444

In Automatic Mode, Door Does Not Open		
	Incorrect wiring of wave sensors	Call service technician to verify wiring of wave sensors.
	Positive latch electric strike still engaged	Contact service technician to verify connection between electric strike and wiring harness in jamb tube
	Microprocessor control box received obstruction signal	Contact service technician to adjust stationary floor pivot height for proper engagement
	Power not on	Turn power switch to "ON" position
	Door damaged or self-closer malfunction	Call for service - 1-888-DOOR-444
In Automatic Mode, Door Does Not Close		
	Object in sensor zone	Remove object from sensor path and allow sensor to retune
	Incorrect overhead sensor wiring	Contact service technician to verify overhead sensor wiring
	Inadvertent activation signal from touchless wave sensor	Remove object causing activation of touchless wave sensor. Adjust touchless wave sensor sensitivity if needed
	Sliding panel partially swung out	Fully reset door panels from swing out position
	Door damaged or self-closer malfunction	Call for service - 1-888-DOOR-444