

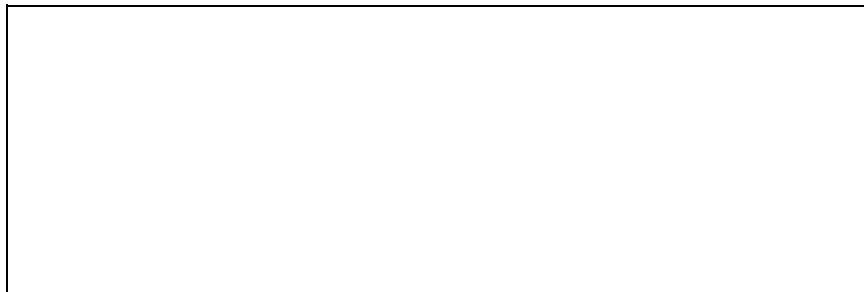
AAADM

American Association of Automatic Door Manufacturers

Low Energy Power Operated Doors

OWNER'S MANUAL

Distributed by:



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CAUTION

An Improperly Adjusted Door can cause injury and/or equipment damage.

Inspect door operation daily using safety checklist in owner's manual and at door.

Have door adjusted as described in Owner's Manual.

Have door inspected at least annually by an *AAADM* certified inspector.

In the following manual, the word:

Caution means that injury or property damage can result from failure to follow instructions.

Note is used to indicate important steps to be followed or important differences in equipment.

To Our Customers

The purpose of this manual is to familiarize you with your automatic door system. It is essential that you "know your system" and that you recognize the importance of maintaining your door system in compliance 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 use by your invitees, customers, or employees.

This manual will provide you with a description of the operation and maintenance requirements of your door. It also provides the instructions for the *Daily Safety Check*.

Should the door fail to operate as prescribed in the *Daily Safety Check*, or at any other time for any other reason, **do not attempt to repair or adjust the door**. Call an AAADM Certified technician. These technicians are trained to service your door in accordance with applicable industry safety standards.

Service Availability

Low energy automatic door products are distributed through a nationwide network of authorized suppliers for sales, installation, and service.

Should you need service on your door system, consult the respective door manufacturer or its authorized representative.

Compliance with Safety Standards

Your door system was designed to the latest operating and safety standards. In order to ensure the continued safe operation of your door, it is important that

- Your door system be maintained in compliance with the standards of the industry.
- Proper signage and labels be applied and maintained on your doors. If signage is removed or cannot be read, request replacement when calling for service.

AAADM, the American Association of Automatic Door Manufacturers, has established a program to certify automatic door inspectors. Through this program, the inspectors are trained to check your door systems for compliance with the American National Standards Institute standard ANSI/BHMA A156.19.

What You Should Know

Be sure that an automatic door supplier has provided the following for each door:

1. Instruction on how to conduct the *Daily Safety Check** (by walk-through example).
2. Location of function switches and instruction in their use.
3. Circuit breaker or main power-disconnect location for each door system.
4. AAADM inspection form or a work order signed by an AAADM Certified Inspector.
5. A completed annual compliance inspection label located at the bottom of the safety information label affixed to the door.
6. Warranty information for each door.
7. Number to call for service or questions about your system if you are uncertain of any condition or situation.

Note: If there are any problems, or if you are unsure about the safe performance of the door, **discontinue door operation immediately** and secure in a safe manner. Call an authorized automatic door professional for repair.

***Note:** AAADM Daily Safety Check videos are available. Contact your automatic door supplier or AAADM.

Daily Safety Check

Perform the following safety checks *daily* on each automatic swinging door to ensure your customers' safety and your own protection. Verify the following requirements while traffic is restricted.

1. Activate the door. Door should open at a slow smooth pace (4 seconds or more) and stop without impact.
2. Door must remain fully open for a minimum of 5 seconds before beginning to close.
3. Door should close at a slow smooth pace (4 seconds or more) and stop without impact.
4. Inspect the floor area. It should be clean with no loose parts that might cause user to trip or fall. Keep traffic path clear.
5. Inspect door's overall condition. The appropriate signage should be present and the hardware should be in good condition.
6. Have door inspected by an AAADM certified inspector at least annually.

IF YOU HAVE A PROBLEM, TURN OFF THE DOOR OPERATING EQUIPMENT AND CALL YOUR AUTOMATIC DOOR SUPPLIER.

General Safety

Pay attention to the following general safety items and perform checks periodically where noted.

1. Force. Force to prevent the door from closing should not exceed 15 pounds. This can be measured with a force gauge.
2. Breakout Stop. Center pivoted in-swinging doors may be supplied with an emergency breakout stop or switch that will allow the door to open in the direction of emergency egress. Call your supplier for details.

When the door is pushed into the breakout mode, check that door will not activate.

3. Signage. Doors shall be equipped with (a) decal(s) visible from either side, instructing the user as to the operation and function of the door. The decal shall be mounted 50 inches, +/- 12 inches, from the floor to the centerline of the decal. The letters shall be 5/8 inch high minimum.



Figure 1

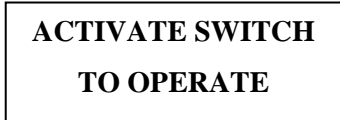


Figure 2

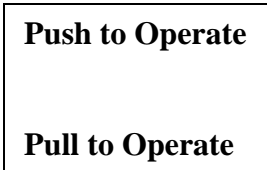


Figure 3

- A. All low energy doors shall be marked with a sign, visible from both sides of the door, with the words “Automatic Caution Door.” See Figure 1. The sign shall be a minimum of 6 inches in diameter and with minimum 5/8 inch tall black lettering on a yellow background. Additional information may be included.
- B. When a separate wall switch is used to initiate the operation of the door operator, the door shall be provided with decals on both sides of the door with the message “Activate Switch to Operate” or the side with the knowing act switch if there is only one. Letters white and background blue. See Figure 2.
- C. When door motion is used to initiate the door operation, the doors shall be provided with the message “Push to Operate” on the push side of the door and “Pull to Operate” on the pull side of the door. Letters white and background blue. See Figure 3

- 4. Lock Stile. With door open, grasp lock stile of door and attempt to move vertically and horizontally. There should be no looseness in the door pivots or in connections between door and operator.
- 5. Housekeeping. Check the door area for tripping or slipping hazards.
- 6. Check all door panels for damage.

Make sure that all hardware and overhead covers are properly secured. There should be no bulletin boards, literature racks, merchandise displays, or other attractions in the door area that would interfere with use of the door or invite people to stop or stand in the door area.

IF YOU HAVE A PROBLEM, TURN OFF THE DOOR OPERATING EQUIPMENT AND CALL YOUR AUTOMATIC DOOR SUPPLIER TO MAKE PROMPT REPAIRS.

Operation

The typical installation includes a small control panel on one end cap of the header assembly. The panel is composed of (a) Three position rocker switch providing ON / OFF / OPEN functions; (b) Red LED indicator; (c) Black reset button.

In standard operation, the red LED is not illuminated. If a problem occurs, inhibiting door operation, the LED will flash slowly (once per second). To resolve, press and hold the black button until the flashing stops (6 - 8 seconds). This will reset the unit, clear the alarm, and turn off the LED. Please note, if the condition that caused the alarm has not been corrected, the alarm will occur again.

Alternatively, a three position toggle switch providing ON / OFF / HOLD OPEN functions may be mounted on the door jamb, adjacent framing, or at a remote location.

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TWO-YEAR WARRANTY

8400 Series Low Energy Operators (8418, 8419, 8420, 8421,8422,8423).

Subject to the limitations of liability set forth below, Hager Companies (the "Company") warrants to purchasers that the products identified above which the Company sells under the "Hager" trademark or trade name are free from defects in workmanship and materials under normal use and regular service and maintenance for a period of five years from date of delivery.*

THIS IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY THE COMPANY WITH RESPECT TO THE PRODUCTS AND IS IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, ARISING BY OPERATION OF LAW OR OTHERWISE. ALL IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, NON-INFRINGEMENT AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY EXCLUDED.

This warranty does not cover defects or damage arising from improper installation, incorrect application, lack of or improper maintenance, improper storage, shipping and handling, excessive wear and tear, misuse, abuse, accident, unauthorized service, or use with unauthorized products or parts.

The sole and exclusive liability of the Company under this warranty or otherwise, shall be limited to the repair or replacement of any product or component part which shall prove defective to the original purchaser from the Company. The Company will not pay for the costs or repair performed other than in accordance with this warranty. THE COMPANY SHALL NOT BE LIABLE FOR DAMAGES CAUSED BY DELAY IN PERFORMANCE AND IN NO EVENT, REGARDLESS OF THE FORM OF THE CLAIM OR CAUSE OF ACTION (WHETHER BASED ON CONTRACT, INFRINGEMENT, NEGLIGENCE, STRICT LIABILITY, OTHER TORT OR OTHERWISE), SHALL THE COMPANY'S LIABILITY TO PURCHASER AND/OR ITS CUSTOMERS EXCEED THE PRICE PAID BY PURCHASER FOR THE SPECIFIC PRODUCTS GIVING RISE TO THE CLAIM OR CAUSE OF ACTION. PURCHASER AGREES THAT IN NO EVENT SHALL THE COMPANY'S LIABILITY TO PURCHASER AND/OR ITS CUSTOMERS EXTEND TO INCLUDE INCIDENTAL, CONSEQUENTIAL OR PUNITIVE DAMAGES RESULTING FROM USE OF THESE PRODUCTS, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. The term "consequential damages" shall include, but not limited to, loss of anticipated profits, business interruption, loss of use or revenue, cost of capital or loss or damage to property or equipment. The foregoing limitations and exclusions are intended to be effective to the maximum extent permitted by law. This warranty is governed by the law of the State of Missouri without regard to its conflicts of law principles. The company and purchaser agree that the United Nations Convention on Contracts for the International Sale of Goods and the United Nations Convention on the Limitation Period in the International Sale of Goods shall not apply to sales of the products covered by this warranty.

Written notice of a product believed to be defective as covered by this warranty should be sent to Hager Companies, 139 Victor Street, St. Louis, Missouri 63104 within 30 days from the discovery of the alleged defects, and should include the purchaser's name and address, identification of the product, and brief description of the defect. Upon receipt of such notice, the Company will inform the purchaser where to ship such product, shipping charges prepaid, for examination. In the event such examination reveals a defect covered by this warranty, the Company will, at its own option, repair or replace the product, and return it or the replacement to the purchaser, with charge only for transportation.