

# **AAADM**

American Association of Automatic Door Manufacturers

## **Low Energy Power Operated Swing Doors**

### **OWNER'S MANUAL**

**Distributed by:**

A copy of the Owners Manual has been provided with your order.  
For additional copies, please download and print from;  
[recorddoors.com>documents>owners manual](http://recorddoors.com>documents>owners manual)

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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

- 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.

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 endcap 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.

# WARRANTY **record** AUTOMATIC DOOR OPERATORS

## STANDARD WARRANTY

We warrant that **record** Automatic Door Operators have been manufactured from high-grade materials with first class workmanship. Subject to the other conditions of this **Warranty**, if any parts of our own manufacture prove defective in material or workmanship within eighteen months after original installation, we shall repair or replace such parts free of cost. If any equipment or parts not of our own manufacture are utilized in connection with this door operator and equipment, we shall assume responsibility and liability for defects only to the extent of such adjustment as the manufacturer there of makes to us. The warranty shall not extend beyond eighteen months from the date of installation regardless of any replacements, which may be made.

Our obligations under this **Warranty** are conditional upon the owner's having (1) given us prompt written notice of alleged defects, and (2) upon our request, returning allegedly defective items to our facility in Monroe, North Carolina, freight prepaid, for our inspection.

We shall have no obligation or liability, under this **Warranty** or otherwise, in the event of improper installation of this automatic door equipment unless and until the installation is correct. However, in no case shall we have any obligation or liability beyond eighteen months after original installation or any replacement or repairs that may be made. We reserve the right, without obligation, to inspect all installations of **record** door operators and equipment for the protection of both the owner and ourselves.

In no event shall we have any obligations or liability, under this **Warranty** or otherwise, resulting in whole or in part for damage to defects in the door operator or equipment caused by abuse, misuse, malicious mischief, acts of God, casualty, improper handling or the negligence of the owners or others. Nor shall we have any obligations or liability for any loss, cost or expense incurred in the repair or replacement of the door operator or equipment except on express written authority from our office in Monroe, North Carolina.

The owner's sole remedy against us for any alleged defects in the **record** door operator or equipment shall be as provided in this **Warranty**. We hereby disclaim all other obligations and liability for damages, including any incidental consequential damages. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

This **Warranty** may not be changed, expanded or modified in any way except in writing, signed by our duly authorized representative. **record** factory-authorized distributors would provide any Warranty covering field labor.



**record**

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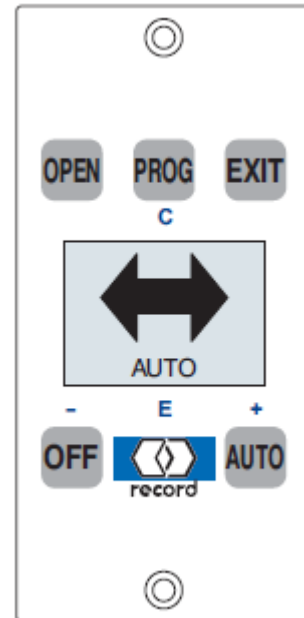


# Power assist swing door operator display panel

An optional feature for the DFA127 swing door operators is an electronic control panel to select the operating mode of the door and provide feedback on the door status.

Included are six pushbutton / keys

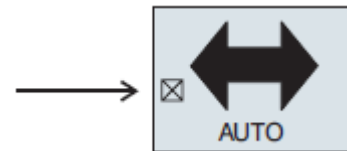
- AUTO** Auto is the standard operation mode and the operator will work in the power assist mode.
- OFF** Off will turn off the power assist function. You still can open the door manually, however you have to push with more force.
- OPEN** OPEN automatically opens the door and remains open.
- EXIT** Reserved for other type of doors, do not use.



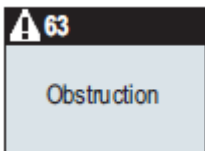
The control panel can be “locked”, preventing unauthorized use, by pressing the key sequence.



A small square with an “X” will appear on the left of the display. To re-enable the keypad, repeat the above sequence.




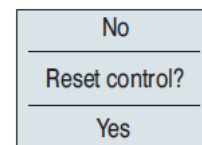
The control panel includes a backlit display providing confirmation of the above mode selection and will additionally indicate when the system has an abnormal operating status. Abnormal status indication is in the form of a short text description of the anomaly. Examples include “Obstruction”, “Encoder Fault”, etc. The user may be able to re-solve some issues without requiring a service call. Certain door status will require an authorized technician to service the door.




Example: Obstruction indicates the door has encountered significant resistance in either opening or closing and cannot move without exceeding code limited forces. Inspect the bottom guides, weatherstripping, etc., around the perimeter of the door and in the door’s path.

When another error code shows up it may help to reset the door operator.

Press the  button for 8 seconds. The screen at right will appear.



Press the  button again to initiate a software reset; normal operation should resume in a few seconds. If not, contact your record dealer.