



DOR-O-MATIC®

A Member of
AAADM
American Association of Automatic Door Manufacturers

Automatic Sliding Door Owner's Manual

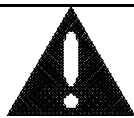
Series 96000 Slide

Distributed by:

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CAUTION

Improperly Adjusted Door can cause injury and 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.

Safety devices should be in place and operational.

Have door inspected at least annually by an AAADM certified inspector, and after any adjustment or repair.

DEFINITIONS

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

Note indicates 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 a qualified service technician. These technicians are trained to service your door in accordance with applicable industry safety standards.

SERVICE AVAILABILITY

Dor-O-Matic products are distributed through a nationwide network of Dor-O-Matic authorized distributors for sales, installation, and service.

Should you need service on your door system, consult the yellow pages of your telephone directory under "Door-Opening Devices" for your local Dor-O-Matic authorized distributor or call 1-800-543-4635 for a local distributor.

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:

1. Your door system be maintained in compliance with the standards of the industry.
2. Proper decals and labels be applied and maintained on your doors. If decals are removed or cannot be read, request labels to be replaced when calling for service.

3. Safety devices for all doors be checked annually by an AAADM certified inspector as well as each time a door is serviced.

AAADM, the American Association of Automatic Door Manufacturers, has established a program to certify automatic door inspectors. Through this program, the inspectors check your door systems for compliance with the appropriate version of the American National Standards Institute standard ANSI A156.10.

WHAT YOU SHOULD KNOW

Be sure that a Dor-O-Matic distributor has provided the following for each door:

1. Instructions to conduct the *Daily Safety Check* (by walk-through example).
2. Shown the location of function switches and instruction in their use.
3. Shown the location of the circuit breaker or power disconnect for each door system.
4. Discussion of problems that could result from door being allowed to operate after a malfunction is observed.
5. 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, **discontinue door operation immediately** and secure in a safe manner. Call your local authorized Dor-O-Matic distributor for repair.

6. AAADM compliance certificate signed by an AAADM certified automatic door inspector.
7. Warranty information for each door.

DAILY SAFETY CHECK

Perform these safety checks *daily* on each automatic sliding door to ensure your customers' safety and your own protection. Perform these tests while traffic is restricted from all detection and sensing zones.

Motion Detector Actuation

1. Check electronic sensor by walking towards door opening at a moderate speed. Door should start opening when you are about five feet from the door, should slide open smoothly, and stop without impact. Repeat on other side of opening. Move slowly through the door (6 in. per second). The door should remain open.
Note: If your door is set up for one -way traffic, the detector on the side not intended for use should be active until the door is within 6 inches of fully closed. The sensor should re-open the closing door if an object is detected a minimum of 24 inches from the door.
2. Step out of the sensor zone. After a brief time delay (at least 1_ seconds) the door should close smoothly and fully without impact. Doors should be adjusted so they do not close faster than 1 foot per second.
3. Observe traffic routing to door. Plan traffic routing so persons will approach the door straight on and not from an angle.
4. Walk parallel to the door face to check that the detection pattern is at least as wide as the door opening. This test should be performed about 2_ feet from the door face.
5. Open the door. Cover each doorway holding beam with your hand and stand motionless for several seconds. The door should remain open. Remove your hand and the door should close after the time delay expires. If other safety devices are being used, stand motionless in the door opening for 10 seconds. The door should not close.

Floor Mat Actuation

1. Step on the "opening" mat in several places. Door should slide open smoothly and stop without impact.
2. Step through the doorway onto the mat on the other side. Door should remain fully open without interruption.
Note: If there is more than one mat on each side, each mat should be tested.
3. Check the mat molding and threshold. It should be complete and secured with all screws required.
4. Step off the mat. After a brief time delay (at least 1_ seconds), the door should close slowly and smoothly without impact. Doors should be adjusted so they do not close faster than 1 foot per second.

General Safety

1. Decals:

Door should have decals properly displayed on a centerline of 58 in., ± 5 in. (147 cm, ±13 cm) to each moving leaf. There should also be decals that include the statements: "AUTOMATIC DOOR" (in letters 1/2 in. high, minimum) and "IN EMERGENCY - PUSH TO OPEN" (See Figure 1).



Figure 1: Signage

2. Closing Speed:

Horizontal doors must be adjusted within the following limits to comply with ANSI A156.10. The closing time of the door must not be less than the minimum time as shown in the following table. This closing time is taken from a point one inch from full open to a point two inches from fully closed. Example: If a 3'0" door panel closes in 1.7 seconds it is too fast and must be slowed down. If it closes in 3.0 seconds it is in compliance.

Maximum Closing Speed – 1 Foot Per Second		
Normal Door Opening		Minimum Closing Time
Single Slide	Bi-Part	
	48"	2 Seconds
	60"	2.5 Seconds
36"	72"	3 Seconds
42"	84"	3.5 Seconds
48"	96"	4 Seconds

Force to prevent the door from closing should not exceed 30 pounds. This should be checked at several points in the closing cycle by stopping the door and attaching a spring scale. The scale reading should not exceed 30 pounds, or if operator is equipped with a reversing feature, the door should reverse with a force not to exceed 30 pounds.

3. Emergency Breakout:

Test by manually pushing door at lock area in direction of emergency exit. Release door. The door should either stop operation or spring to closed position. Make sure door panel or panels are properly re-latched.

4. Housekeeping:

Be sure floor guides are kept clean and free of any debris which could prevent proper door slide. Check the door area for tripping or slipping hazards. 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.

NOTE: IF YOU HAVE ANY PROBLEM YOU CANNOT CORRECT, TURN OFF THE DOOR OPERATING EQUIPMENT AND CALL YOUR SERVICE REPRESENTATIVE.

LIMITED WARRANTY

Dor-O-Matic hereby warrants, subject to the provisions thereof, that the products and parts manufactured by Dor-O-Matic and its affiliates shall be free from defects in material and workmanship for a period of one year from the date of shipment from the Dor-O-Matic factory.

OPERATIONAL FEATURES

Every Dor-O-Matic automatic sliding door package is shipped with either a three or four-position switch. The functions are as follows:

3-Position Switch	4-Position Switch	Function
Off	Off	Operator is disconnected (Door can be locked).
-	1-Way	Only interior activation device is functional.
Auto	2-Way	Both interior and exterior activation devices are functional.
Hold Open	Hold Open	Door(s) will open and remain open indefinitely.

DOOR LOCKING PROCEDURES

Locking

1. Stand clear of all the opening detection areas and allow the door(s) to close completely.
2. Turn the door function switch to the "Off" position (see Operational Features).
3. For interior locking – The door(s) can now be secured with the lock mechanism.
4. For exterior locking – Manually open the door(s), exit, manually close, and lock with key.

Unlocking

1. Unlock door(s).
2. Manually open the door(s) and enter.
3. Turn the door function switch to the desired function (see Operational Features).

Emergency Function

In the event of an emergency, the sliding doors are capable of swinging into a breakout position by exerting force at the lock area of the door. There is a remote possibility that the sliding doors could be accidentally struck by people or carts and be put into this emergency breakout mode. The operator's function is normally shut off whenever the doors are in this mode and will require resetting of all door leaves to their proper position. To reset, grasp the door at the lock end and slide it open slightly. Next, swing the door closed, making sure the pin catches at the top. The operator will automatically turn on after all the doors have been reset to the fully closed position.

TROUBLESHOOTING

Symptom	Possible Cause	Solution
Door fails to open.	No main power.	Check main circuit breaker.
	Switch in "Off" position.	Place switch in "Auto" position.
	Physical obstruction.	Check bottom track for debris.
	Door in breakout position.	Reset door to normal position.
	Activation device defective.	Consult Dor-O-Matic distributor.
Door opens and stays open.	Switch in "Hold Open" position.	Place switch in "Auto" position.
	Activation/Safety device detecting an object or person	Clear doorway of any objects and/or stand clear of the area.
	Activation/Safety device defective.	Consult Dor-O-Matic distributor.
Door does not operate smoothly.	Various causes.	Consult Dor-O-Matic distributor.

Note: Door and detection device functions must comply with applicable safety standards. Repairs should be performed by an authorized Dor-O-Matic distributor. For safety standards information, consult Dor-O-Matic.