

# CS 80 MAGNEO

Automatic sliding door operator

## Owner's Manual

DL3316-020 – 10-2022

| EN |

dormakaba 

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# 1 General information

## 1.1 Owner's Manual

This Owner's manual applies to dormakaba CS 80 MAGNEO automatic sliding door operator

## 1.2 Cover page illustration.

Cover page documents the CS 80 MAGNEO ON-WALL operator configurations (Fig. 1.1).

Reference Chapter 1.1 for all CS 80 MAGNEO operator configurations.

## 1.3 Manual storage.

This document must be kept in a secure place, and accessible for reference as required. If the door system should be transferred to another facility, insure that this document is transferred as well.

## 1.4 dormakaba.us website.

Manuals are available for review, download, and printing on dormakaba.us website.

## 1.5 Dimensions

Unless otherwise specified, all dimensions are given in inches (").

## 1.6 Symbols used in this manual.



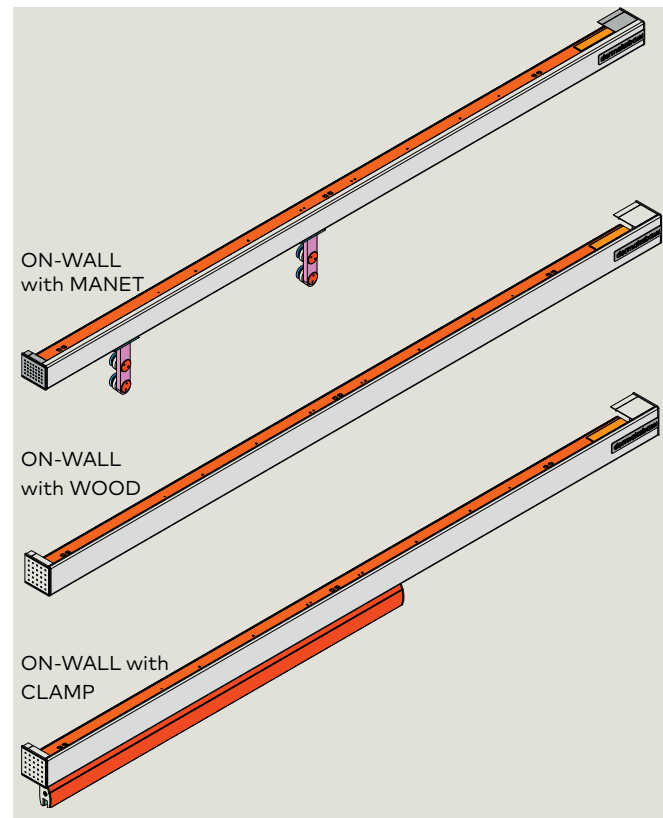
### WARNING

This symbol warns of hazards which could result in personal injury or threat to health.

### CAUTION

This symbol warns of a potentially unsafe procedure or situation.

Fig.1.1 MAGNEO ON-WALL operator configurations



# 1.1 CS 80 MAGNEO operator configurations

Fig.1.1.1 MAGNEO ON-WALL operator configurations

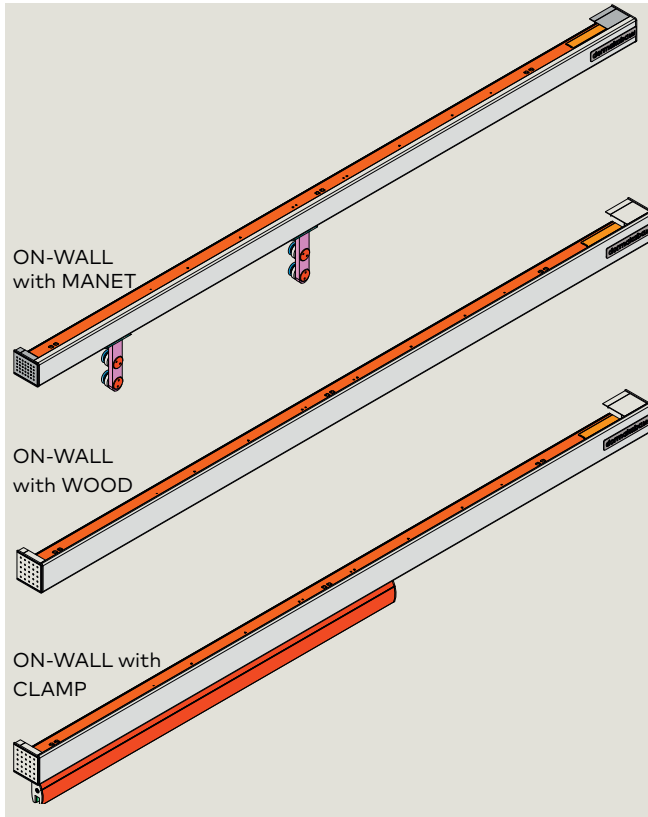


Fig.1.1.3 MAGNEO IN-WALL operator configurations

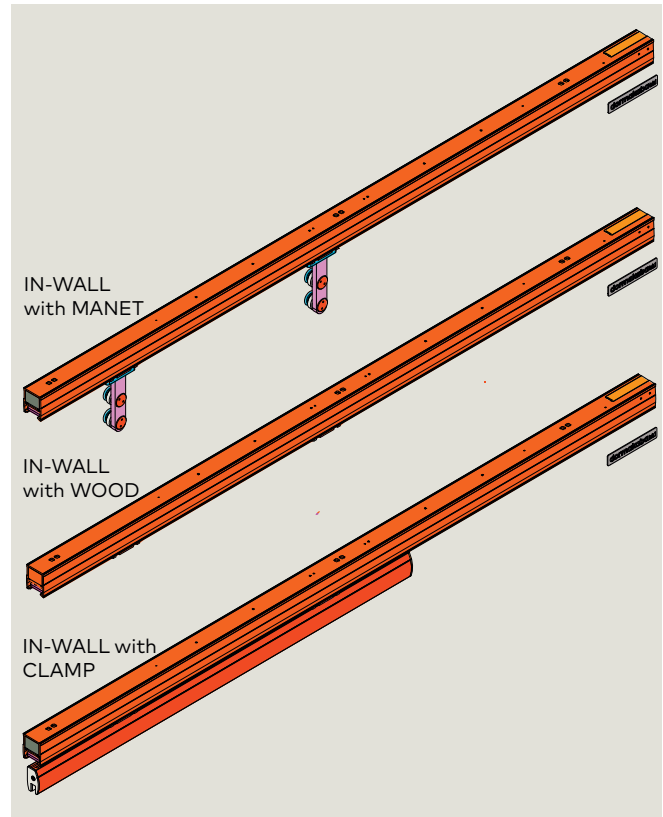


Fig.1.1.2 MAGNEO ON-GLASS operator configurations

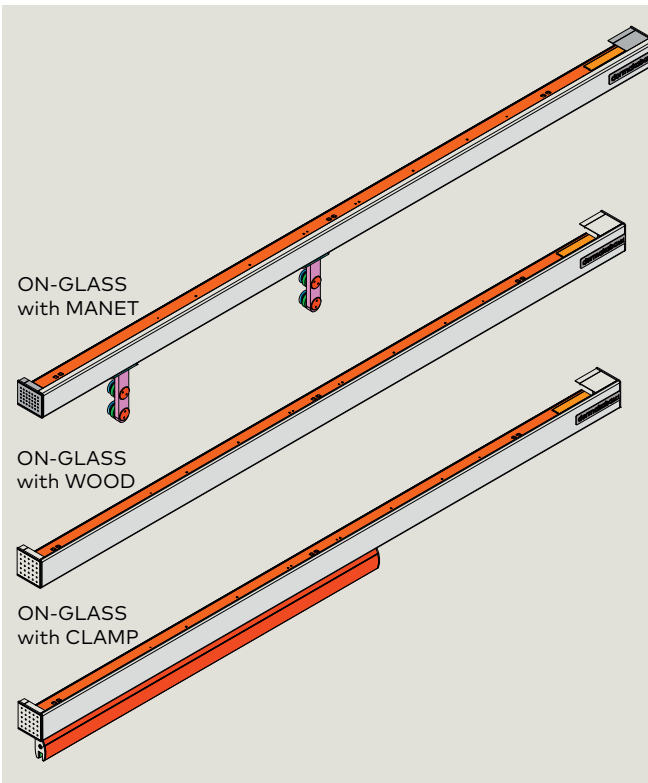
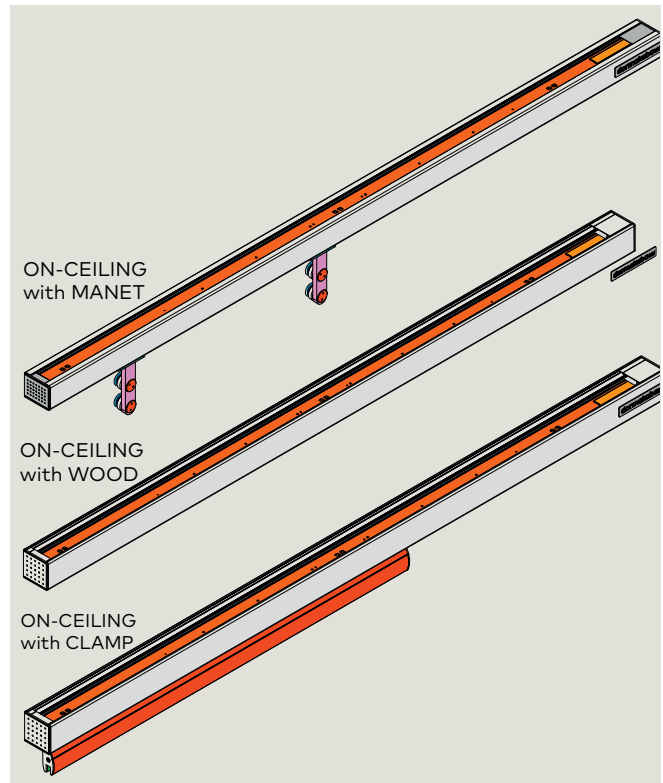


Fig.1.1.4 MAGNEO ON-CEILING operator configurations



## 2 To our customers

We are pleased that a dormakaba CS 80 MAGNEO automatic sliding door operator has been selected for this installation. dormakaba designed, tested and built the system to provide many years of service.

The purpose of this manual is to familiarize you with your CS 80 MAGNEO automatic sliding door operator system.

It is essential that you "know your system" and that you recognize the importance of maintaining your door system in compliance with industry standards for safety.

**It is your responsibility** as owner and caretaker of the equipment, to inspect the operation of your door system on a daily basis as outlined in Chapter 4, AAADM Safety information label to insure that it is safe for use by your customers and employees.



### WARNING

Should the door fail to operate as prescribed in the Safety information checklist or at any other time for any reason, do not attempt to repair or adjust the CS 80 MAGNEO operator system!

Call your local authorized dormakaba USA, Inc. distributor for repair. The distributor's AAADM certified technicians are trained to service the CS 80 MAGNEO sliding door operator using the dormakaba USA, Inc. Installation and Troubleshooting Instructions, and in accordance with ANSI/BHMA safety standards.

### 2.1 Service availability.

dormakaba USA, Inc. has a nationwide network of authorized distributors for sales, installation and service of its products.

### 2.2 Compliance with industry standards for safety.

Your CS 80 MAGNEO sliding door operator was designed to the latest ANSI/BHMA operating and safety standards.

In order to insure the continued safe operation of the door, it is important that:

- Proper decals and labels be applied and maintained on your doors (Chapter 5).
- If decals and labels have been removed, or cannot be read, contact your local authorized dormakaba USA, Inc. distributor for replacement decals or labels.

## 3 What you should know

### 3.1 Distributor information

#### 3.1.1 dormakaba USA, Inc. distributor information.

Be sure that the dormakaba USA, Inc. distributor has provided the following information for each door installation:

1. dormakaba CS 80 MAGNEO Owner's Manual DL3316-020,
2. Review of the daily Safety information checklist (Chapter 4).
3. Instructions on how to conduct the daily Safety Information checklist by walk through example.
4. Annual compliance inspection label completion (Chapter 4).
5. Circuit breaker or disconnect location for 115 Vac power to the CS 80 MAGNEO operator.
6. CS 80 MAGNEO mode switch (optional) location and instructions in its use. (Para. 3.5).
7. Discussion of problems that could result from operator being allowed to operate after a malfunction is observed.
8. Number to call for service or questions about your system if you are uncertain of any condition or situation.



#### **WARNING**

If there are any problems, discontinue door operation immediately and secure the door in a safe manner.  
Call your local dormakaba USA, Inc. distributor for repair.

### 3.2 CS 80 MAGNEO power configuration

CS 80 MAGNEO can be configured for:

- Low energy power operated sliding door (Para. 3.3).
- Power operated (full energy) sliding door (Para. 3.4).

### 3.3 Low energy power operated sliding and folding doors ANSI/BHMA A156.38

#### 3.3.1 Low energy power operator door definition (ANSI/BHMA A156.38).

A door with a power mechanism that opens the door upon receipt of a knowing act activating signal (Para. 3.3.2), does not generate more kinetic energy than specified in this standard, and is closed by a power mechanism or other means.

#### 3.3.2 Knowing act definition (ANSI/BHMA A159.19).

Any conscious action with the expected result of opening a door. This includes but is not limited to:

- Wall or jamb mounted contact or non contact switches such as pushplates.
- The action of manually opening (pushing, pulling or sliding) a door.
- Controlled access devices such as keypads, card readers, wireless transmitters and key switches.

### 3.4 Standard for Power Operated Pedestrian Doors ANSI/BHMA A156.10

#### 3.4.1 Power operated door definition (ANSI/BHMA A156.10).

The combination of door, operator, controls and sensors constituting the system. (Also called automatic door.)

## 3.5 Mode switch (option)

### 3.5.1 Mode switch positions.

Fig. 3.5.1 Auto

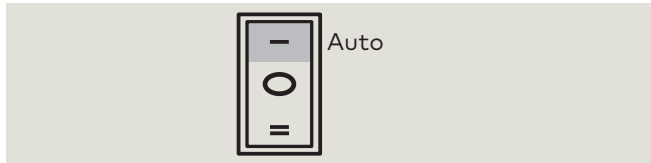


Fig. 3.5.2 Close

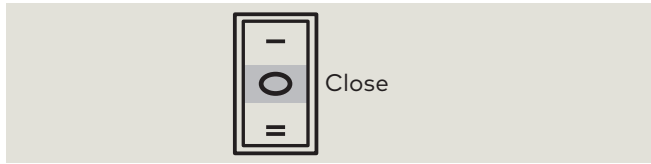
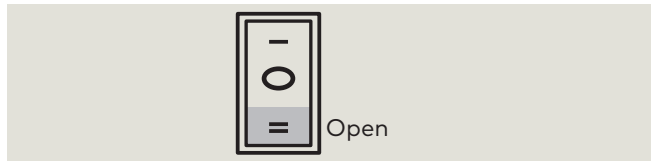


Fig. 3.5.3 Open



### 3.5.2 Mode switch position descriptions.

#### Auto

1. Door opens automatically when one of the activators is actuated or triggered.  
Door closes on expiration of adjustable hold open time with no activators or actuators triggered.
2. With knowing act device actuation (Para. 3.3.2).  
Door will remain at full open position for not less than 5 seconds before starting the door closing cycle.

#### Close

1. Door will remain closed, or if door is open door will close.

#### Open

1. Door opens automatically and remains open.

# 4 AAADM Safety information label

## 4.1 Safety information label, full energy automatic sliding doors ANSI/BHMA A156.10

### 4.1.1 Automatic sliding door safety information label.

This AAADM label outlines safety checks that should be performed daily on automatic sliding door controlled by a CS 80 MAGNEO sliding door operator configured for full energy.

### 4.1.2 Safety information label location.

Place label in a protected, visible location on door frame, near operator power switch if possible.

### 4.1.3 Annual compliance section of label.

This section of label is only completed on automatic sliding doors that comply with the ANSI/BHMA A156.10 standard and pass inspection by a AAADM certified dormakaba USA, Inc. technician.

### 4.1.4 Annual compliance inspection labels.

Place additional labels over annual compliance inspection section of safety information label.

Fig. 4.1.2 Annual compliance inspection labels



Fig. 4.1.1 Safety information label DD1269-010





## 5 CS 80 MAGNEO door signage

### 5.1 CS 80 MAGNEO operator configured as full energy, ANSI/BHMA A156.10

#### 5.1.1 Overview

Signage and warnings are specified in ANSI /BHMA A156.10, American National Standard for Power Operated Pedestrian Doors, paragraph 11.

#### 5.1.2 AUTOMATIC DOOR decal.

All swinging, sliding and folding doors shall be equipped with signage visible from both sides reading "AUTOMATIC DOOR" with letters 1/2" high minimum.

#### 5.1.3 STAND CLEAR decal.

Sliding doors that slide alongside an adjacent sidelite or wall shall be equipped with a sign that instructs users to stand clear of the sliding door travel path. The letters shall be 1" high minimum and located at 36" to 60" from the floor.

#### 5.1.4 Knowing act door - ACTIVATE SWITCH TO OPERATE decal.

Knowing act doors shall have signage stating "ACTIVATE SWITCH TO OPERATE" on side of door having knowing act switch. Each sign in minimum 1/2" high letters.

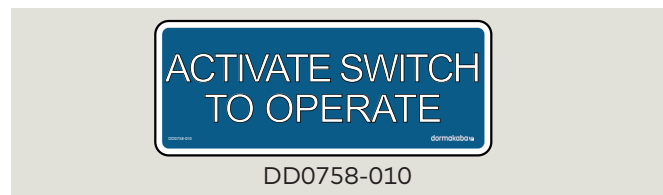
Fig. 5.1.1 AUTOMATIC DOOR decal



Fig. 5.1.2 STAND CLEAR decal



Fig. 5.1.3 ACTIVATE SWITCH TO OPERATE decal



### 5.2 CS 80 MAGNEO operator configured as low energy, ANSI/BHMA A156.38

#### 5.2.1 Overview

Signage and warnings are specified in ANSI /BHMA A156.38, American National Standard for Low Energy Power Operated Sliding and Folding Doors.

#### 5.2.2 Automatic door.

Doors shall be equipped with signage visible from both sides reading "AUTOMATIC DOOR" with letters 5/8" [16 mm] high.

#### 5.2.3 Knowing act door - ACTIVATE SWITCH TO OPERATE decal.

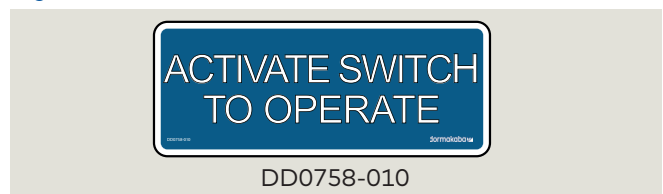
Knowing act doors shall have signage stating "ACTIVATE SWITCH TO OPERATE" on side of door having knowing act switch."

- When knowing act switch is used, it shall be installed in a location within view of the door, have an installation height of a minimum of 34" and a maximum of 48", or as specified in local building codes; shall remain accessible when the door is opened; and shall not be located in a position where the user would be in the path of the moving door. If located seven feet or more from the center of the door, there shall be an additional time delay of two seconds for each additional foot.

Fig. 5.2.1 AUTOMATIC DOOR decal



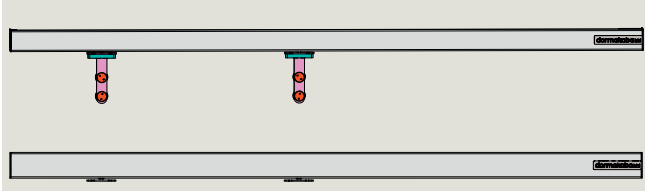
Fig. 5.2.2 ACTIVATE SWITCH TO OPERATE decal



# 6 Maintenance

## 6.1 CS 80 MAGNEO and glass door environment and maintenance

Fig. 6.1.1 CS 80 MAGNEO operator examples



### 6.1.1 Areas around door(s) and door sliding area.

Areas around door and door sliding area must be kept clean and clear of all obstacles.

### 6.1.2 Cleaning



#### WARNING

Cleaning of CS80 MAGNEO operator cover must be done with Mode switch (Para. 3.6) in Close position!

External surfaces (covers) of the CS 80 MAGNEO can be cleaned with a damp cloth and commercial cleaning agents.



#### TIPS AND RECOMMENDATIONS

Abrasive (scouring) agents should not be used as they may damage external surfaces.

### 6.1.3 Water and other liquids.

#### CAUTION

No water or other liquids must be sprayed or spilled on CS 80 MAGNEO operator!

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