ED900 DOUBLE LEAF DOOR SYSTEMS

Low energy operator

Installation instructions:
T/slide channel/pull arm mounting
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</table>
Accessories

Electrical connection
Apart from the broad range of DORMA accessories, other manufacturers offer various activators, locking devices, safety sensors and additional accessories that are compatible with ED900 operators.

External activation device minimum requirements
In general external activation devices need to provide a normally open dry contact.

Contact ratings
Operating voltage with power supply via operator:
- 24 V DC +/- 10%
Pulse width:
- min. 200 ms
Dry contact, normally open devices (such as push buttons or overhead sensors):
- Use input terminals 41 and 3 for interior and exterior activation
- Use input terminals 42 and 3 for interior and exterior activation
Energized output (telephone systems):
- 8 - 24 VAC / DC + 10%

Locking device
Immediately upon activation the locking relay is thrown and operator will delay opening the door giving the lock mechanism time to fully release before opening the door. This delay can be between 0 to 4 seconds (0.4 seconds default) and is adjusted by parameter “Ud”. Motor locks without a feedback contact can be directly connected to the operator as long as the delayed opening for the locking mechanism amounts to less than 4 seconds. In order to ensure that the operator and the locking device work together properly, the locking device has to comply with the following specifications:

Minimum requirements
Operating voltage with power supply via operator:
- 24 V DC +/- 10%
Operating voltage with external power supply:
- max. 48 V AC/DC
Current load for relay contact of locking device:
- max. 1 A
Power supply:
- 115 V AC +/- 10%
- 50/60 Hz
- max 6.6 A
Rated for continuous duty: electric strike:
- min. 30%
Rated for continuous duty: motor lock:
- 100 %

Power consumption for accessories:
- The operator will provide a maximum of 1.5 A at 24 V DC for external accessories. Any additional power will require an external power supply in order to avoid malfunctions.

Override Activation Inputs
Note: These inputs bypass the mode switch and are always active.

Dry contact, normally closed devices (frequently used to control systems with smoke and heat evacuation or building management systems):
- Use input terminals 53 and 3 and set parameter “d2” to 1.
Wet output devices with 8 to 24 volts (such as telephone/intercom systems):
- Use input terminals 57 and 57a.

Template options
a  ED900 track installation, pull side mount, on a 2” frame face (08281670)
b  ED900 track installation, pull side mount, drop 2” frame face (08281680)
c  ED900 track installation, pull side mount, above 2” frame face (08281720)
ED900 DOUBLE LEAF DOOR SYSTEMS - PULL SIDE

System Setup

⚠ Follow included template to properly prepare door frame for all accessories of the operator installation.

⚠ Properly buildup door frame depending upon thickness for appropriate stabilization of operator against the wall.

⚠ All electrical components are disabled prior to installation of the unit to ensure proper safety of the installer.

⚠ Prior to installation of the operator, measure the door reveal. Note this measurement in the appropriate chart in ED900 - Quick Start Guide.

Reference information

Internal mode switches

Operator modes (See images at below)
The operator can be set to varying modes using the internal mode rocker switches on the end of the unit. When adjusting any settings or functions of the operator, be sure the unit is in the properly stated mode prior to adjustment.

OFF The door opens automatically when the night trigger is activated and closes on expiration of the adjustable hold-open time.

AUTOMATIC The door opens automatically when one of the activators is triggered and closes on expiration of the adjustable hold-open time.

PERMANENT OPEN The door opens automatically and remains open until the function is deactivated.

Permanent Open
Adjust the 3 pole switch to "-".

Automatic
Adjust the 3 pole switch to "-".

OFF
Adjust switch to "O"

Pairs operator system
The operator system comprises the following core components:

1. ED900 closer/unit
2. Mounting plate

Handing of the door

Left hand door (LH) Interior side of door Right hand door (RH)

Hinge Left hand reverse door (LHR) Exterior side of door Right hand reverse door (RHR)
ED900 Operator system

The operator system comprises all core components.

1. Closer/unit (quantity: 2)
2. T/slide channel pull arm assembly (quantity: 2)
3. Closer cover assembly (quantity: 2)
4. Track cover assembly (quantity: 2)
5. End caps (quantity: 2)
6. Mounting plate (quantity: 3)

Tools required

Drill bit sizes:
Metal:
1/4-20 UNC tap
7/32” drill size
Wood:
5/32” drill size
For use with sex nuts:
3/8” drill size

Drill bit sizes:
Metal:
1/4-20 UNC tap
7/32” drill size
Wood:
5/32” drill size
For use with sex nuts:
3/8” drill size
A. Preparing to mount the units

1.1 **Primary unit:** Turn the power switch to the off position, and unplug the main power connector from the main power connection board of both operators.

**Secondary unit:** Disconnect the controller cord from the main power connection board.

1.2 Remove the units from their mounting plates by removing the (8) capture screws on each operator using a 5mm T-handle (---). If needed, carefully use a screwdriver to pry the operator off the mounting plate.
ED900 DOUBLE LEAF DOOR SYSTEMS - PULL SIDE

2.1 Place the primary unit on a flat surface next to the secondary unit. Orient them such that each units' user interfaces (1) are facing each other.

B. Removing current power switch on secondary unit

3.1 Pull the terminal connection board (1) up and away from the housing.
3.2 Flip the second bracket (2) out from the housing.
3.3 Lift the third set of brackets (3) up and out of the way.
3.4 Lift the current main power connection board out of the housing. (4)
C. Securing the mounting plates for both operators

Reference included templates No. 08281670 Track Arm; 08281720 Track Over Frame; 08281680 Track Drop Angle for mounting base plate drilling and hole dimensions; reference the template on the following page for center mounting plate drilling and hole dimensions.

4.1 Assemble the three mounting plates on a flat surface [two mounting base plates (1) and one center mounting plate (2)].

4.2 Loosely, secure the plates to one another using the provided fasteners as seen in the image above.

4.3 Temporarily place the operators back onto their mounting plates, to be sure that the cover will align properly with the operators. Adjust the distance between the mounting plates accordingly.

4.4 Once the cover fits properly, remove the operators and tighten the fasteners on the center plate.

4.5 Use the mounting plate assembly as a jig, using a 1/4” drill bit to locate, only, the center of the holes.

**DO NOT DRILL THROUGH.**

4.6 Secure the mounting base plates to the frame with twenty four screws [1/4-20 machine screws or No.14 wood screws] (3) through the provided holes, onto the door frame or wall.

*Use the fasteners supplied with this unit.*

4.7 Insert the two provided retaining pins (4) into the bottom hole only of the mounting plate. This will properly support the unit.
D. Wiring the power cord

Tools required

<table>
<thead>
<tr>
<th>Tool</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8 Flat head screwdriver</td>
</tr>
<tr>
<td>#1 Philips screwdriver</td>
</tr>
<tr>
<td>Pliers</td>
</tr>
</tbody>
</table>

WARNING! Power cords pose a risk of becoming entrapping in moving parts of the operator, door or system.

The flexible power cord should not be routed through doorways, window openings, walls, ceilings, floors, or the like. The cord should also not be attached or secured to the building structure. The cord cannot be concealed behind walls and the like. Make sure the power cord does not become entrapped in any moving parts of the operator, door, or system.

ATTENTION! When connecting the power cord to 120V 60 Hz ONLY.

To reduce the risk of electric shock, this equipment has a grounding type plug, that has a third (grounding) pin. This plug will only fit into a grounding type outlet. If the plug does not fit into the outlet, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.

For in-wall mounting: When installing the socket, please remember that the socket should be reached by hand. (maximum 14" away)

1. 120V power cord
2. Conduit box
3. Conduit plate
4. Cord grip
5. Wire nut

ATTENTION! When connecting the power cord to 120V 60 Hz ONLY.

Pour réduire le risque de choc électrique, cet appareil est équipement d'une fiche avec mise a la terre comportant une troisième broche (Broche de terre). Cette fiche ne peut être branchee dans une prise avec mise a la terre. S'il n'est pas possible de la brancher dans la prise, faire poser une prise appropriée par un électricien qualifié. NE PAS MODIFIER LE FICHE.

5.1 Remove the power connector from both sides of the mounting plates.
5.2 Insert the conduit plate to the mounting plate on the primary unit side.
E. Wiring the new single internal mode switch & the pairs power cable/jumper cable

NOTE: A new single internal mode switch will need to be installed.

NOTE: If there are any additional accessories or trigger inputs to be wired, place the wires into the mounting plate track at this time.

7.1 Place the head of the new single internal mode switch at the terminal housing unit end of the secondary unit.

7.2 Run the wires of the new single internal mode switch through the channels of the mounting plates. Let the ends of the wires hang loosely out of the primary unit's side.

7.3 Feed the pairs power cable/jumper cable through the mounting plates of both units, allowing the female end to hang freely out of the primary unit side and the male end to hang freely out of the secondary unit side.

7.4 Reinsert the power connector onto the mounting plate using the provided pan head screw.

7.5 Connect the wires of the power cord to the power connector terminal blocks, and let the cord hang loosely. See below:
- Black (live) = “L” terminal (connects to brown wire)
- White (neutral) = “N” terminal (connects to blue wire)
- Green (ground) = connect to ground wire (connects to green wire)

7.6 Once all wires have been fed through the mounting plates, press the clips (1) down to hold the wires into place.

8.1 Remove the protective foil (1) from the heat conductive pads (2) on the underside of the operator.

⚠️ Heat conductive pads must remain clean.
F. Mounting the ED900 units

9.1 Slide the operators onto the [3 each] retaining pins (1) of the mounting plates (2).

9.2 Feed the connection cables (3) and other wires through the primary and secondary units' housings (4).

NOTE: Connect the ground wires to the housings on both operators.

9.3 Secure the operators with the 8 (each) captured screws provided. (See above image for capture screw locations.)
G. Wiring connection location

10.1 Connect all wires that were hanging freely: (Door frame was removed from image for better viewing.)

**PRIMARY UNIT SIDE:**
- The main power supply connects to the power connection board of the primary unit.
- The female end of the pairs power cable/jumper cable connects to the power connection board of the primary unit.
- The controller cord for the primary unit is already connected.
- The new single internal mode switch wires connect to the terminal connection board on the primary unit.

**SECONDARY UNIT SIDE:**
- The male end of the pairs power cable/jumper cable connects to the controller cord of the secondary unit.
- Feed the new single internal mode switch up through the housing and snap into place.

*Disclaimer: Power connection board is pulled out of housing for better viewing of cable connections.*
H. Wiring the operator

11.1 Use the Connection Diagram below for reference of input and output locations.

⚠️ Be sure the operator is powered OFF before attempting any wiring due to potential electric shock.

Connection diagram

The following jumpers (4/4a; 15/3; 11/3) must be in the proper locations for the unit to be properly commissioned. For additional wiring information please see the ED900 section of Dorma’s website.

Connect the cables to the connection terminals and attach them to the connection board. These terminals must be connected to their respective locations prior to powering the unit. The jumpers must be in the proper locations for the unit to function properly.

The maximum current load at terminal 1 and 3 is 1.5A.

The cable length must not exceed 98' 5" [30m] when using J-Y (ST) Y 1/32" [0.8mm].
I. Mounting the T/slide channel (Pull side)

13. Insert the pivot pin (2) (1/2" [12.5mm] or 1" [25mm]) into the slide shoe and secure with retaining clip.

13.2 Use larger pin (1") for doors with rabbet.

Assemble the slide shoe (1)

13.1 Insert the pivot pin (2) (1/2" [12.5mm] or 1" [25mm]) into the slide shoe and secure with retaining clip.

13.2 Use larger pin (1") for doors with rabbet.

14. Position the individual components inside the slide channel and screw down the fittings.

- A - Slide channel
- B - End stop
- C - Cushion
- D - Slide shoe
- E - Fitting
15.1 Secure the slide channel assembly (1) with two screws [#10-32 x 1-1/4 Phillips pan head or No. 21 wood screws] through the appropriate holes.

15.2 Press the slide channel cover (2) onto the slide channel assembly.

16.1 Assemble the end caps (1) onto the spacers (2).

16.2 Insert both components into the slide channel cover (3).

16.3 Align the end caps so that they are flush with the cover on both sides.
18.1 Press arm (1) onto the slide shoe (2) inside the slide channel (3).

18.2 Secure the arm and slide shoe with one shoulder bolt screw (4), using a 5mm allen key (26 ft-lbs [35 Nm]).

17.1 Secure the appropriate size pinion axle (1) to the pinion (2).

17.2 Attach the track arm (3) to the operator pinion axle with an M8 self-locking hex screw with washers (4), using a 5mm allen key (26 ft-lbs [35 Nm]). Only use the provided self-locking screw. If the screw has to be removed during repair or maintenance work, it must be replaced by a new self-locking screw, or replace the existing screw with the addition of blue loctite.

18.3 Do not adjust the end stop until after the unit is commissioned. See section L, ‘Adjusting the maximum opening angle’ (page 20).
19 Adjusting the spring force

19.1 Fully turn the spring force counter clockwise (-) until it stops.
19.2 Turn at least 10 full revolutions clockwise (+) to add spring force.

- The system will check the spring adjustment during the learning cycle; the cycle will be interrupted if the spring is insufficiently tensioned.
- A learning cycle has to be performed whenever the spring is readjusted.
J. Pre-commissioning

Pre-commissioning information: READ FIRST PRIOR TO COMMISSIONING

- The control unit is equipped with a user interface and information display. You can perform all adjustments with this interface display. Use the four yellow buttons to enter information. The buttons can be adapted depending upon the intended mounting of the operator.
- Make sure all six terminal connectors are properly connected to their respective locations prior to powering up the unit.
- Use connection diagram as reference (page 18).

K. Programming the pairs units

20.1 Commission both units using the steps on the following pages.

L. Connecting the communication cable

21.1 Connect the communication cable (CAT5 cable) from the primary unit to the secondary unit.
First commissioning instructions/Quick start guide

THIS STEP SHOULD BE COMPLETED AFTER THE UNIT HAS BEEN MOUNTED.
Prior to starting the Commissioning, verify the manual settings (Adjusting of braking circuit, spring force, closing speed). (Refer to Book 2 of 3 “ED900 Door Operator Installation” for the manual settings).

STEP 1: Write your door values in this chart for reference prior to starting the learning cycle.

<table>
<thead>
<tr>
<th>Mount type</th>
<th>Coordinating Setting Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reveal depth measurement: Distance from the face of the mounting surface, to the door face. (see page 4 of this document for more description)</td>
<td>Reveal depth measurement</td>
</tr>
<tr>
<td>Door width measurement: Measure the width of the door in inches and divide by 4.</td>
<td>Door width measurement</td>
</tr>
<tr>
<td>Door type: Single door, double door, etc.</td>
<td></td>
</tr>
</tbody>
</table>

STEP 2
Set the green terminal jumper for push or pull side mounting.

- **Pull side mounting:** terminal jumper is positioned AWAY from the information display.
- **Push side mounting:** terminal jumper is positioned CLOSER to the information display.

STEP 3
Manually open door to a 90° angle and let it close.

Door should fully close at a speed greater than 3 seconds. If door closes in less than 3 seconds, turn the potentiometer 1/4 turn clockwise and repeat STEP 3.
**STEP 4**
Set the internal mode switches to the OFF position: "O" and "O".

**STEP 5**
Set the power switch to the ON position: "1".
- 2 horizontal dashed lines will begin moving up and down for 5 seconds.

**STEP 6**
Press BOTTOM yellow button WHILE the 2 horizontal lines are moving up and down.
- This will orient the unit for left or right hand mounting.
- The unit will continue to scroll information on the display as the process is starting.
- "op" will be displayed.
- If button is not pushed while the 2 horizontal lines are moving up and down, turn operator OFF and ON again to start over.

**NOTE:** If at any time during the commissioning process, the "op" (rotation "o" and "P") appears after approximately 1 minute of inactivity, press and hold the RIGHT yellow button until the previous programming step appears. Then continue with the commissioning process.

**STEP 7**
Press & hold RIGHT yellow button.
- Display will read "AS".

**STEP 8**
Press RIGHT yellow button.
- Display will read "00".

**STEP 9**
Press RIGHT yellow button again.
- "00" will begin flashing.

**STEP 10**
Toggle UP or DOWN to select proper value.
- Pull side: "00"
- Push side: "01"

**STEP 11**
Press RIGHT yellow button to lock value entered.

**STEP 12**
Press LEFT yellow button to return to programming menu.

**STEP 13**
Press BOTTOM yellow button to move to next item in menu.

**STEP 14**
Press RIGHT yellow button.
- Display will read "00".

**STEP 15**
Press RIGHT yellow button again.
- "00" will begin flashing.

**STEP 16**
Toggle UP or DOWN to select proper value.
(Reference Reveal Depth Charts, page 4.)

**STEP 17**
Press RIGHT yellow button to lock value entered.

**STEP 18**
Press LEFT yellow button to return to programming menu.
ED900 DOUBLE LEAF DOOR SYSTEMS - PULL SIDE

Reference door value chart

STEP 19
Press BOTTOM yellow button to move to next item in menu.
Door Width Screen

STEP 20
Press RIGHT yellow button.
- Display will read “10”.

STEP 21
Press RIGHT yellow button again.
- “10” will begin flashing.

STEP 22
Toggle UP or DOWN to select proper value.
(Reference Door Width Chart, page 4.)

STEP 23
Press RIGHT yellow button to lock value entered.

STEP 24
Press LEFT yellow button to return to programming menu.

STEP 25
Press BOTTOM yellow button to move to next item in menu.
Door Type Screen

Reference door value chart
M. Modify the programs to link the units together

Primary unit side

- Set the primary unit per the following chart:

<table>
<thead>
<tr>
<th>Primary unit</th>
<th>Secondary unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>DL 01</td>
<td>DL 02</td>
</tr>
<tr>
<td>Double leaf door (with astragal) ACTIVE door</td>
<td>Double door leaf (with astragal) PASSIVE door</td>
</tr>
<tr>
<td>DL 03</td>
<td>DL 04</td>
</tr>
<tr>
<td>Double leaf door (NO astragal) ACTIVE door</td>
<td>Double door leaf (NO astragal) PASSIVE door</td>
</tr>
</tbody>
</table>

26.1 Press LEFT yellow button again.
- Display will read "00".

26.2 Press & hold BOTTOM yellow button until display changes.
- Unit will make some automatic movements as it starts the learning process.
DO NOT INTERFERE WITH THESE MOTIONS DURING THIS PROCESS!
- Door will open 70° and STOP at that angle.
- Display will read "04".

26.3 From the 70° angle, manually push the door open to the desired opening angle (max 110°).
DO NOT ALLOW THE DOOR TO HIT AGAINST ANY FIXED OBJECTS, INCLUDING DOOR STOPS!

26.4 Press BOTTOM yellow button to continue the learning process.
DO NOT INTERFERE WITH THESE MOTIONS DURING THIS PROCESS!
- When complete, display will read "_ _".

ERROR MESSAGE 'IN61' WILL APPEAR. THIS OCCURS BECAUSE THE SECONDARY UNIT HAS NOT BEEN COMMISSIONED YET. THE ERROR MESSAGE WILL DISAPPEAR AFTER COMMISSIONING OF THE SECOND UNIT HAS BEEN COMPLETED.

Secondary unit side

- Set the secondary unit per the following chart:

<table>
<thead>
<tr>
<th>Primary unit</th>
<th>Secondary unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>DL 01</td>
<td>DL 02</td>
</tr>
<tr>
<td>Double leaf door (with astragal) ACTIVE door</td>
<td>Double door leaf (with astragal) PASSIVE door</td>
</tr>
<tr>
<td>DL 03</td>
<td>DL 04</td>
</tr>
<tr>
<td>Double leaf door (NO astragal) ACTIVE door</td>
<td>Double door leaf (NO astragal) PASSIVE door</td>
</tr>
</tbody>
</table>

26.1 Press LEFT yellow button again.
- Display will read "00".

26.2 Press & hold BOTTOM yellow button until display changes.
- Unit will make some automatic movements as it starts the learning process.
DO NOT INTERFERE WITH THESE MOTIONS DURING THIS PROCESS!
- Door will open 70° and STOP at that angle.
- Display will read "04".

26.3 From the 70° angle, manually push the door open to the desired opening angle (max 110°).
DO NOT ALLOW THE DOOR TO HIT AGAINST ANY FIXED OBJECTS, INCLUDING DOOR STOPS!

26.4 Press BOTTOM yellow button to continue the learning process.
DO NOT INTERFERE WITH THESE MOTIONS DURING THIS PROCESS!
- When complete, display will read "_ _".

26.5 Set the new internal mode switch to Automatic Mode
- The unit is now ready.

Internal mode switches

Automatic mode
- Adjust the 2 pole switch to "0".
- Adjust the 3 pole switch to "_".
ED900 DOUBLE LEAF DOOR SYSTEMS - PULL SIDE

Learning cycle reference charts

Setting 'AS': Step 7
Mount type chart: push/pull

<table>
<thead>
<tr>
<th>Type of Mount</th>
<th>ED900 Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Push side</td>
<td>ED900 J8 or J12</td>
<td>01</td>
</tr>
<tr>
<td>Pull side</td>
<td>ED900 T</td>
<td>00</td>
</tr>
</tbody>
</table>

Setting 'rd': Step 13
Reveal depth chart

<table>
<thead>
<tr>
<th>Reveal in inches</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>-1-1/8</td>
<td>-3</td>
</tr>
<tr>
<td>-3/4</td>
<td>-2</td>
</tr>
<tr>
<td>-3/8</td>
<td>-1</td>
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<tr>
<td>0</td>
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<td>1-7/8</td>
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<td>2-1/4</td>
<td>6</td>
</tr>
<tr>
<td>2-5/8</td>
<td>7</td>
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<tr>
<td>3</td>
<td>8</td>
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<td>28</td>
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<td>10-7/8</td>
<td>29</td>
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Setting 'rb': Step 19
Door width chart

<table>
<thead>
<tr>
<th>Door width in inches</th>
<th>Value</th>
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<tbody>
<tr>
<td>28 to 31-7/8&quot;</td>
<td>7</td>
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<tr>
<td>32 to 35-7/8&quot;</td>
<td>8</td>
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<tr>
<td>36 to 39-7/8&quot;</td>
<td>9</td>
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<tr>
<td>40 to 43-7/8&quot;</td>
<td>10</td>
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<td>44&quot;</td>
<td>11</td>
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</table>

Setting 'dl': Step 25
Door type chart

<table>
<thead>
<tr>
<th>Door type</th>
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<tr>
<td>Single door</td>
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<tr>
<td>Double door leaf (astragal) active door</td>
<td>1</td>
</tr>
<tr>
<td>Double door leaf (astragal) passive door</td>
<td>2</td>
</tr>
<tr>
<td>Double door leaf (no astragal) active door</td>
<td>3</td>
</tr>
<tr>
<td>Double door leaf (no astragal) passive door</td>
<td>4</td>
</tr>
</tbody>
</table>

Reveal depth

Negative reveal depth

Positive reveal depth

DORMA AMERICAS, Inc. Dorma Drive, Drawer AC Toll-Free: 800-523-8483 E-mail: dormaarchitectural@dorma.com 08282110 03/2016 Reamstown, PA 17567 Fax: 800-274-9724 Subject to change without notice
N. Mounting the units - continued

Adjusting the maximum opening angle

Dead stop adjustment for slide channel. The end stop must exceed the adjusted opening angle when the door is pushed open manually.

22.1 Set internal mode switches to PERMANENT OPEN.

Permanent Open
Adjust the 2 pole switch to “O”.
Adjust the 3 pole switch to “=”.

• The door will open until it has reached the desired opening angle in the First Commissioning procedure.

22.2 Move the cushion (1) and the end stop (2) until they are located 3/16” (5mm) from the slide shoe (3).

- Slide the end stop and cushion towards the hinge-end of the slide channel for maximum opening of the door.
- Slide the end stop and cushion away from the hinge to lessen the angle of the door opening.

22.3 Secure the end stop with the included screw when the appropriate stop location is acquired.
23.1 Prior to installing the operator cover, secure the two between support brackets (1) on the center mounting plate.

23.2 Screw two self tapping screws to the middle of the center mounting plate (a few turns will suffice).

23.3 Orient the brackets as seen in the above image, slide the brackets under the screw heads and tighten.

23.4 Position the full width operator cover (2) and push until it snaps into place.

23.5 Drill four holes through the bottom and top of the closer cover and into the mounting plate. See template image above.

23.6 Secure the power-switch end cap and closer cover with fasteners (3) to be compliant to US 325 and CA C22.2 No. 247.

23.7 Snap the remaining end cap (4) into place over the switches.

Caution: Do not pinch any cables.
Install operator axle covers

24.1 Snap one axle covers (1) onto the bottom of the unit cover and twist the top axle cover in place.

NOTE: Do this to both sides of the unit cover. A track arm was used as the example in this image.
O. Signage

The ED900 is supplied with a pack of door decals to alert and instruct pedestrian traffic in the operation and use of the door. The decals are applied to the door and should be visible from both sides of the door. The method of activation determines the combination of decals required. Not all decals will be used in every application.

The Caution – Automatic Door decal is required under A156.19, the American National Standards for power assist and low energy power operated doors. The decal shall be mounted on the door at a height of 58 inches +/- 5 inches from the floor to the center of the sign. Two decals are supplied, one for each side of the door. For glass doors, only one decal is required since printing is on both sides.

Decals for doors which are activated by a push button(s) and is applied directly below the Caution – Automatic Door decal on the side of the door where the push button(s) is located.

Decals for doors which are activated by the Push & Go feature and is applied direction below the Caution – Automatic Door decal or the Activate Switch to Operate decal on the pull side of the door.

Decals for doors which are activated by the Push & Go feature and is applied direction below the Caution – Automatic Door decal or the Activate Switch to Operate decal on the push side of the door.