ED900
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First commissioning instructions/Quick start guide

⚠	**THIS STEP SHOULD BE COMPLETED <u>AFTER</u> 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).**

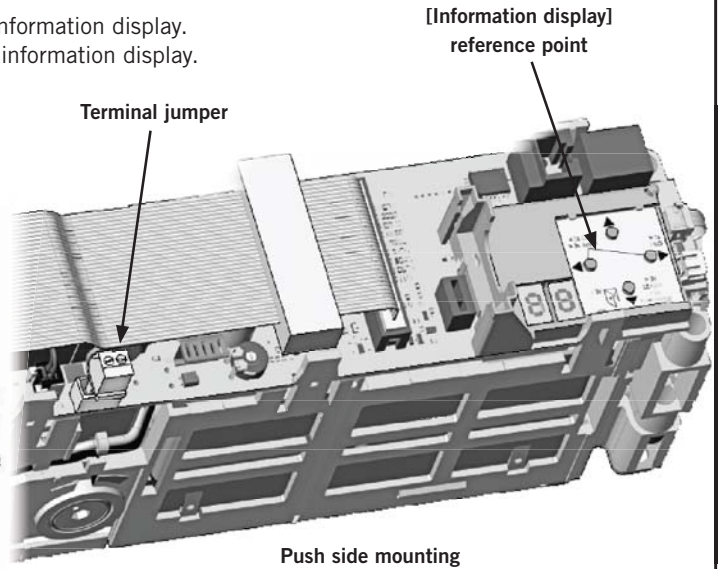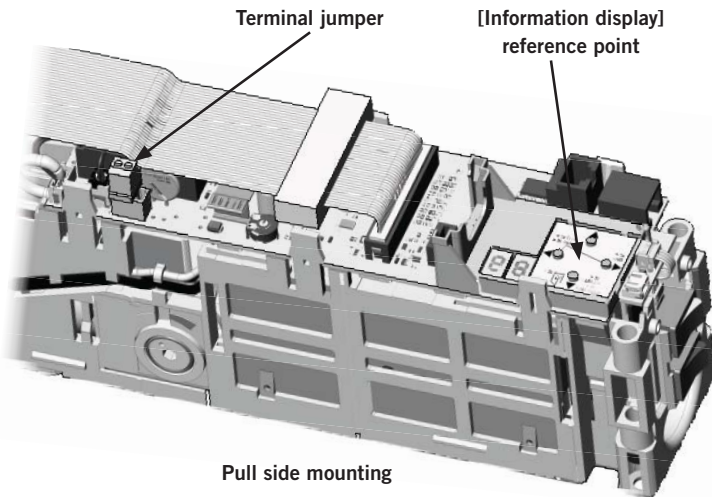**STEP 1: Write your door values in this chart for reference prior to starting the learning cycle.**

See learning cycle reference charts on last page of Quick Start Guide.			Coordinating Setting Value
	Mount type	**PUSH** or **PULL** (circle one)	
	Reveal depth measurement: Distance from the face of the mounting surface, to the door face. (see page 4 of this document for more description)	Reveal depth measurement	
	Door width measurement: Measure the width of the door in inches and divide by 4.	Door width measurement	
	Door type: Single door, double door, etc.		

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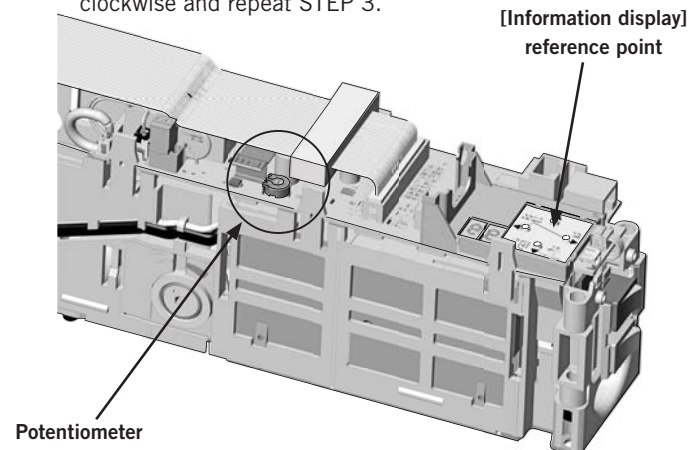- **Push side mounting:** terminal jumper is positioned **CLOSER** to the information display.

Terminal jumper [Information display] reference point

[Information display] reference point Terminal jumper

Pull side mounting

Push side mounting

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.
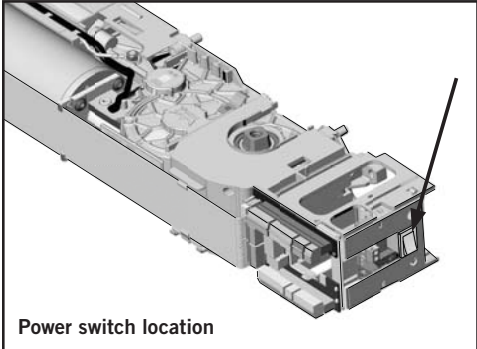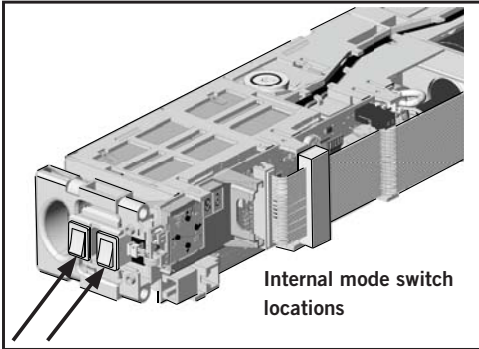

[Information display] reference point

Potentiometer

Potentiometer

ED900

⚠ **READ THIS BEFORE PERFORMING STEPS 4 - 6.** NOTE: After turning the internal mode switches and the power switch ON [step 4 & 5], 2 dashed horizontal lines will begin moving up and down in the display. Be sure to press the **BOTTOM** yellow button [Step 6] **WHILE** the 2 horizontal lines are moving up and down.

STEP 4
Set the internal mode switches to the OFF position: "O" and "O".

Internal mode switches

Internal mode switch locations

Power switch location

STEP 5
Set the power switch to the ON position: " ▬ ".

Power switch

- 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.

oP

NOTE: If at any time during the commissioning process, the oP [rotating "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.

AS

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

00

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

00

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

00

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

01

STEP 11
Press RIGHT yellow button to lock value entered.

AS

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

rd

STEP 13
Press BOTTOM yellow button to move to next item in menu.
Reveal Depth Screen

Reference door value chart

00

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

00

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

EXAMPLE
-3

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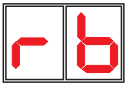**(Reference Reveal Depth Charts, page 4.)**

EXAMPLE
-3

STEP 17
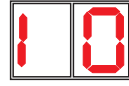Press RIGHT yellow button to lock value entered.

rd

STEP 18
Press LEFT yellow button to return to programming menu.

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Subject to change without notice
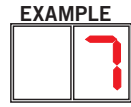
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Reference door value chart

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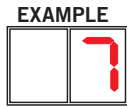Press BOTTOM yellow button to move to next item in menu.
Door Width Screen

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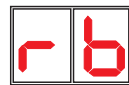Press RIGHT yellow button.
- Display will read "10".

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

EXAMPLE

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

EXAMPLE

STEP 23
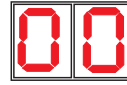Press RIGHT yellow button to lock value entered.

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

For single doors,

skip to step 30

Reference door value chart

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

STEP 26
Press RIGHT yellow button.
- Display will read "00".

STEP 27
Press RIGHT yellow button again.
- "00" will begin flashing.

STEP 28
Toggle UP or DOWN to select proper value.
(Reference Door Type Chart, page 4.)

STEP 29
Press RIGHT yellow button to lock value entered.

STEP 30
Press LEFT yellow button to return to programming menu.

STEP 31
Press **LEFT** yellow button again.
- Display will read "o0".

STEP 32
Press & hold BOTTOM yellow button for 3 seconds.
- 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.
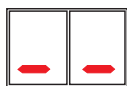- Display will read "04".

STEP 33
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!

STEP 34
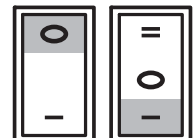Press BOTTOM yellow button to continue the learning process.

DO NOT INTERFERE WITH THESE MOTIONS DURING THIS PROCESS!

- When complete, display will read "_ _".

STEP 35
Set the operator to Automatic Mode.

The unit is now ready to add accessories and switches.

Automatic
Adjust the 2 pole switch to "O".
Adjust the 3 pole switch to "—".

ED900

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Learning cycle reference charts

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

Type of Mount	ED900 Type	Value
Push side	ED900 J8 or J12	01
Pull side	ED900 T	00

Setting 'dl': Step 25
Door type chart

Door type	Value
Single door	0
Double door leaf (astragal) active door	1
Double door leaf (astragal) passive door	2
Double door leaf (no astragal) active door	3
Double door leaf (no astragal) passive door	4

Setting 'rd': Step 13
Reveal depth chart

Reveal in inches	Value
- 1-1/8	-3
-3/4	-2
-3/8	-1
0	0
3/8	1
3/4	2
1-1/8	3
1-1/2	4
1-7/8	5
2-1/4	6
2-5/8	7
3	8
3-3/8	9
3-3/4	10
4-1/8	11
4-1/2	12
4-7/8	13
5-1/4	14
5-5/8	15
6	16
6-3/8	17
6-3/4	18
7-1/8	19
7-1/2	20
7-7/8	21
8-1/4	22
8-5/8	23
9	24
9-3/8	25
9-3/4	26
10-1/8	27
10-1/2	28
10-7/8	29

Setting 'rb': step 19
Door width chart

Door width in inches	Value
28 to 31-7/8"	7
32 to 35-7/8"	8
36 to 39-7/8"	9
40 to 43-7/8"	10
44"	11

Reveal depth

Negative reveal depth

Negative reveal depth

Face of mounting surface

Door frame

Frame face

Door face

Positive reveal depth

Positive reveal depth

Frame face

Door frame

Face of mounting surface

Door face