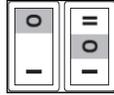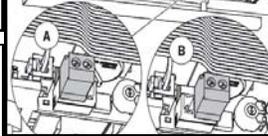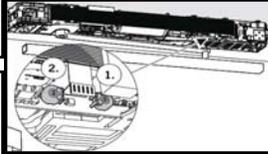# DORMA ED100/250 Quick Start Guide

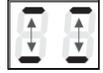| STEP 1	The operator must be completely installed and the door must be closed. The arm must be installed according to the installation directions. All terminal blocks need to be installed with no safety sensors connected. Both Program switches need to be in "0" position. Then switch on the power supply, a series of numbers and letters will show on the display. This will stop after two horizontal dashes side by side move up and down several times.
STEP 2	While the dashes are moving up and down, push the bottom button on the display . This will identify which way the unit is mounted. Letters and numbers will now display right side up.

The display will show a "P" on the right with a rotating segment on the left.

IMPORTANT:
Verify the no power closing speed and jumper setting before programming the door and completing a learn cycle. The door must be adjusted to close in no less than 3 seconds but a minimum of 5 seconds is recommend.

When the jumper is in the correct position the door will push open easily and close slowly. If the door is very hard to push open change the jumper position
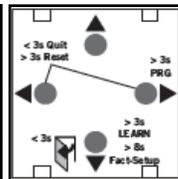
STEP	DIRECTIONS	EXPECTED RESULTS
3	Push and hold the right button for three seconds	Parameter ID will appear (ex: AS)
4	Push the right button again	Will display the current setting (ex: 00)
5	Push the right button again	Display will flash the current setting
6	Use the up and down buttons to change the settings	All three required settings must be made to flash even if the value does not need to be changed before the door will move to the learn cycle.
7	Push the right button again to accept the changes	
8	Push the left button again to go back to the menu	
9	Push the down button to go to the next setting (or) Push the left button again to exit programming menu	Go back to step 4 under programming. Display will show a rotating segment and a "0"

Notice:

This guide is intended to be used as a reference to assist a trained and certified AAADM technician in programming the DORMA ED100/250 operator in accordance with ANSI A156.19 Standard for Low Energy Automatic Doors or ANSI 156.10 for Full Power Automatic Doors

STEP	CONFIGURATION	RANGE FACTORY SETTINGS	Units [ ]= factory setting	DESCRIPTION
10	Door arm type Push or Pull Mounting **A S**	0 to 1	[0]	Operator installed on the pull side (hinge side)
			1	Operator installed on the push side (non hinge side).
11	Reveal **r d**	-3 to 30 ED250 -3 to 50	[0]	The reveal depth is adjusted in steps of 3/8". (Ex: 4 = 1 1/2")
12	Door Width **r b**	7 to 11 ED250 7 to 15	[10]	The astragal is included in the door width. The door width is indicated in steps of 4". (Ex. 9 = 36") (Ex. 11= 44")

-3= -1 1/8"	9= 3 3/8"
-2= -3/4"	10= 3 3/4"
-1= - 3/8"	11= 4 1/8"
0=0	12= 4 1/2"
1= 3/8"	13= 4 7/8"
2= 3/4"	14= 5 1/4"
3= 1 1/8"	15= 5 5/8"
4= 1 1/2"	16= 6"
5= 1 7/8"	24= 9"
6= 2 1/4"	32= 12"
7= 2 5/8"	40= 15"
8= 3"	48= 18'

DOOR SIZES

7= 28"	10= 40"
8= 32"	11= 44"
9= 36"	12= 48"

A "0" displayed on the right side and a rotating segment on the left indicates the unit is ready for a Learn Cycle. To start the learn cycle: Push and hold the bottom button for 3 seconds, until the display changes.

The door will make several movements and the display will cycle through several letters and numbers. When it stops at "4" push the door open to the desired opening angle between 90 and 110 degrees, then let go of the door and push the bottom button momentarily to continue the learn cycle.

If the door stops and displays "F", this is an indication that the spring force is too low. Turn off the power and push or let the door close. Increase the spring force and restart the learn cycle by pushing the bottom button for 3 seconds. The spring should have a minimum of 10 turns and a maximum of 18 to 24 turns. (24 on ED250)

The operator will complete the Learn cycle. When finished there will be two horizontal bars side by side on the display. You can now continue with the programming and customize the door as desired.

If a "P" is displayed again on the right side, the systems requires further settings. Reset the previous 3 settings, steps 3 - 12. Remember they all have to flash.