

# AUTOMATIC SWING DOOR

## Controller Code Information

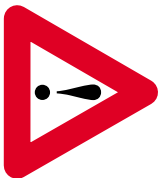
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# ED400/700 Controller Code Information

DISPLAY	SECTION	FUNCTION	DEFINITION AND NOTES
FULL	Run	Full Power (NA 700)	Full power operation must be adjusted according to ANSI 156.10 and includes safety devices.
LE	Run	Low Energy	Low Energy operation, switch on side of control must also be turned to LE for Low Energy function. Adjusted according to ANSI 156.19.
PA	Run	Power Assist	Power Assist operator will assist in manual operation but will not open the door.
OCN	Mount Type	OCM	Overhead concealed, direct drive application.
PSH	Mount Type	Push Arm	Push or Out arm application, door swings away from the header.
PUL	Mount Type	Pull Arm	Pull Arm or In arm application, door swings under the header.
LOG	Mon	Log	The controller logs the last 16 unusual events, turn dial knob counter clockwise to view. This feature is helpful in troubleshooting problems. See <b>Event</b> at end of form.
Obs	Mon	Obstacles	Total obstacle count up to 255; to reset, turn dial knob counter clockwise. Remember to reset if you adjust O.Ob. or C.Ob.
CYC	Mon	Number of Cycles	Total number of complete cycles up to 9,999,999 that the <b>controller</b> completed. Turn dial knob clockwise to view complete number.
FEL	Mon	Software Version	Displays the software release version the controller contains.
Ang	Mon	Angle	Approximate door angle in degrees. Setting and actual opening point must agree for proper operation.
CUR	Mon	Current	The motor current exceeded maximum for too long.
HLd	Misc. Selections	Hold	Power Hold function, adjustable force setting to hold the door against the latch or closed position OFF is spring tension only.(OFF 0.01 AMPS - 0.70 AMPS)(OFF is default after reset)
PnG	Misc. Selections	Push to Open	Push to open feature opens the door automatically when it is pushed off the latch stop. (Yes - No, default is NO)
OOS	Misc. Selections	Opening Obstruction	This menu is used to adjust Opening obstruction threshold. Value is displayed in TIME. Higher TIME means less sensitivity.(1.5 default, 0.2 - 2.0)
COS	Misc. Selections	Closing Obstruction	This menu is used to adjust Closing obstruction threshold. Value is displayed in TIME. Higher TIME means less sensitivity.(0.5 default, 0.2 - 1.1)
UAL	Misc. Selections	Wall Mask Angle	Menu adjust the angle at which point a swing side door mounted sensor is inhibited. (Default 65°, 60-115°)
OPd	Misc. Selections	Lock Delay	Lock delay function used for doors with locks or panic hardware that have to release before the door opens. OFF equals no delay.(OFF is default, OFF is 0.1 Sec., 0.1 - 2.0 Seconds)
OCd	Misc. Selections	Occupied Delay	How long the door stops after an obstacle or presence signal is received. ( 2 Sec default, 0.1 - 10.0 Sec.)
dEC	Misc. Selections	Deceleration	How quickly the door shows at back check, the higher the number the faster the door slows. (50 Default, 10-127)
PCE	Misc. Selections	Power Close	(“no” or “yes”) Turns power close on or off. (“no” is default after reset)
PCA	Misc. Selections	Power Close Angle	(off or 1 - 30 degrees) - Sets the angle the power close turns on at. (20 is default after reset)
Pcd	Misc. Selections	Power Close Time Delay	(00, 1 - 10 seconds) - Sets the time delay the power close starts after it achieves the proper power close angle. (4 is default after reset)
PCC	Misc. Selections	Power Close Current	(off or 0.01 - 1.00 Amps) - Sets the power closing amps in Pcd area.(1.00 is default after reset)
CLC	Misc. Selections	Power Boost	“Closing Current” (Off, or 0.01 - 1.00 Amps) - Sets the closing current while the door is at “any angle” or it’s closing cycle.(0.50 is default after reset)
rSt	Misc. Selections	Reset	Resets all parameters back to factory defaults. <b>Reset the control before the learn cycle on new installs,</b> or use the learn function to force a learn cycle on existing installations.

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ALL	Learn	Learn	The opener needs to do a full learn cycle, required on initial install see, rSt.
CYC	Learn	Cycle	The operator needs to do an open and closing cycle. The door will cycle after initial tune in until door is turned OFF and back ON.
rdy	Learn	Ready	The learn cycle is completed and the operator is ready.
---	Event		No other event in the log.
bad	Event	BAD	A variable in the control is out of established limits.
Cob	Event	Closing Obstacle	The door encountered an obstacle while opening. See COS parameter in Misc. Selections.
CUr	Event	Over Current	The motor current has exceeded limits for extended period.
Dir	Event	Direction	The motor is wired backwards.
EnC	Event	Encoder	The control is not receiving encoder information.
ENE	Event	Breakout	An emergency link was broken. Breakout switch or Smoke detector activation.
FAI	Event	Controller	The control box has failed to function.
HEA	Event	Overheat	The motor overheated.
LOC	Event	Locked	The door encountered an obstacle at latch stop.
Ntr	Event	Motor	The motor is not connected, or is open.
OOb	Event	Opening Obstruction	The door encountered an obstacle while opening. See OOS parameter in Misc. Selections.
PUP	Event	Power Up	Automatic power up after a bad value was detected.
Set	Event	Set-up	The operator is not set-up; a learn cycle is needed. If ready does not appear after a learn cycle, reset the control and try again.
SnG	Event	Presence Sensor	The swing side door mounted sensor was activated.
SUP	Event	Set-up	The operator is not set-up; a learn cycle is needed. If ready does not appear after a learn cycle, reset the control and try again.
to	Event	Time Out	A state lasted longer than expected.



If this unit is installed as a **LOW ENERGY** Operator, it is the installer's responsibility to adjust the operating parameters of the operator as to **NOT EXCEED** those in the **BHMA/ANSI 156.19** standard.

If these parameters are exceeded, additional safety devices **MUST** be installed to satisfy the requirements that are stated in the **BHMA/ANSI 156.10** standard for **FULL POWER DOORS**.