PROGRAMMING SPECIFICATIONS

FUNCTION LED	SETTING LED			FUNCTION DESCRIPTION	DEFAULT SETTING for HA8-Low Profile
0	0 to F	0 = slowest F = fastest		**OPENING SPEED**	A
1	0 to 5	0 = slowest 5 = fastest		**BACK CHECK SPEED**	1
2	0 to 5	0 = slowest 5 = fastest		**LATCH SPEED**	5
3	0 to 9	0 = slowest 9 = fastest		**HOLD SPEED**	2
4	1 = 2sec 2 = 4sec 3 = 6sec 4 = 8sec 5 = 10sec	6 = 12sec 7 = 14sec 8 = 16sec 9 = 18sec A = 20sec	b = 22sec C = 24sec d = 26sec E = 28ec F = 30sec	**ACTIVATION TIME** The time that the door remains open, starting when the activation trigger goes OFF. 1 to 30 sec	4
5	0 = 2 sec 1 = 4 sec 2 = 6 sec 3 = 8 sec	4 = 10 sec 5 = 12 sec 6 = 14 sec 7 = 16 sec		**DELAY ON OPERATE** The time delay before operating the door, starting when activation2 trigger goes ON. 2 to 16sec - This is valid when Setting A1 has the LED OFF.	1
6	0 = Instant trigger - extremely sensitive 1 = 1/8 sec - very sensitive 2 = 1/4 sec 3 = 3/8 sec - mid range sensitivity 4 = 1/2 sec 5 = 5/8 sec - not sensitive			**PUSH AND GO SENSITIVITY** The amount of time that a push and go trigger must be sensed before the door is triggered. A longer time makes the door less sensitive to a push and go.	3
7	1 = 1sec 2 = 2sec 3 = 3sec 4 = 4sec 5 = 5sec	6 = 6sec 7 = 7sec 8 = 8sec 9 = 9sec A = 10sec	b = 12sec C = 14sec d = 15sec E = 25ec F = 30sec	**PUSH AND GO ACTIVATION TIME** The time that the door remains open starting when the Push and Go input is triggered.	5
8	0 = 0sec 1 = .50sec 2 = 1.00sec 3 = 1.50sec 4 = 2.00sec			**SAFETY 1 INHIBIT** The time that a safety1 input is ignored (inhibited), starting when the door goes into Latch. 0 to 2 sec	0
9	0 = 0.125sec 1 = 0.25sec 2 = 0.50sec 3 = 1.00sec	4 = 1.50sec 5 = 2.00sec		**STRIKE DELAY** The time between Strike ON and door starting to open. **HA board ONLY**	0

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CODE INDICATION		ON/OFF LED = ON	ON/OFF LED = OFF	DEFAULT SETTING
FUNCTION LED	**SETTING LED**			
A	0	Safety 2 OFF at back check.	Safety2 always active	LED OFF
A	1	ACT=N1 is connected to a push button switch and always opens the door. ACT=N2 is connected to the door and is only active after ACT'N1 is pressed and before the door closes and gets to the Latch point.	Activation input 1 (ACT=N1) works as an instant activation. Activation input 2 (ACT=N2) works as a delayed activation (delay time programmed through Function A5@.)	LED OFF ACT=N1 = instant and ACT=N2 = delayed activation
A	2	Lockout ON – during closing Safety1 is active if the door stops moving (from hitting an obstruction for example). If door is moving then Safety1 is NOT active.	Lockout OFF Safety1 is always active	LED ON Lockout ON
A	3	Push and Go is active. Push and Go will only work with a door that DOES NOT have a clutch.	Push and Go disabled	LED OFF – Push and Go Disabled
A	4	In process of reading out A# of door opening cycles@	No readout	LED OFF – no readout
	To obtain the number of opening cycles that the door has gone through press the set button while in the Function A, Setting 4 mode. Example: Readout of 3 2 (pause) 7 0 = 3,270 door cycles			
A	5	Safety1 sensor mounted on closing side of door.	Safety1 sensor mounted overhead.	LED OFF – Safety1 mounted Overhead.
A5 – LED OFF (Overhead Sensor)	Door Opening	- Safety1 sensor has no effect		
	Door Fully Open	- Safety1 sensor ON = door will not close		
	Door Closing	- A2 setting ON. Door moving = Safety1 has no effect (door will open)		
		- A2 setting ON. Door stopped, Safety1 ON = door will not open		
		- A2 setting OFF. Safety1 ON = door will not open		
	Door fully closed	– Safety1 sensor ON = door will not open		
A5 – LED ON (Door mounted Sensor)	Door Opening	- Safety1 sensor has no effect		
	Door Fully Open	- Safety1 sensor ON = door will not close		
	Door Closing	- Safety1 sensor ON = door drives at HOLD speed		
	Door fully closed	– Safety1 sensor has no effect		

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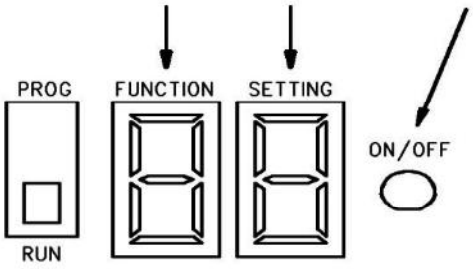
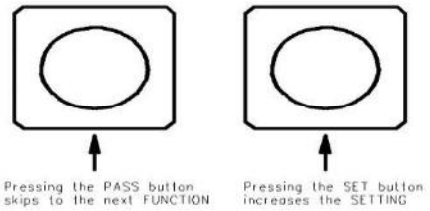
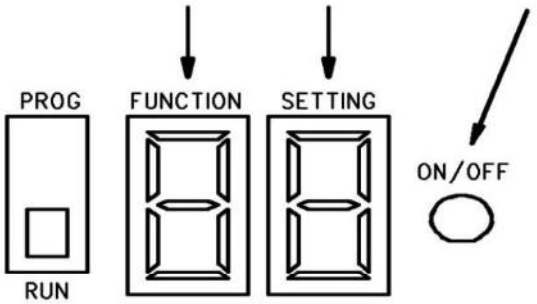
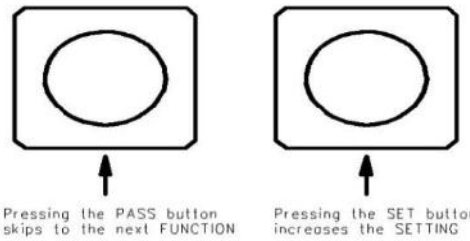




CODE INDICATION		ON/OFF LED = ON	ON/OFF LED = OFF	DEFAULT SETTING
FUNCTION LED	SETTING LED			
A	6	Safety1 sensor is a Normally Closed input (N.C.)	Safety1 sensor is a Normally Open input (N.O.)	LED OFF – Safety1 is Normally Open
A	7	Safety2 independent of Activation 1 Safety2 is ON = door holds Safety2 is OFF = door opens	Safety2 works with Act'n1. For Safety2 AND Act'n1 both ON = door holds. If Safety2 goes OFF = door opens If Act'n1 goes OFF = door closes.	LED OFF Safety2 works with Act'n1.
A	8	Fire door mode for California. Manually pulling the door closed while it is fully open will close the door ignoring all activation triggers including Hold Open. Turning to OFF resets this mode. See note1	Door will not shut when manually pulled closed.	LED OFF
	note1: When setting up Code A8 it is important to 1. Turn the overload all the way down (counter clock wise on the Potentiometer) and 2. To make sure that the Back Check speed is slow enough that it will not trigger the overload while the door is fully open.			





RESET TO DEFAULT - Pressing both the SET and PASS buttons together, for 5 seconds, will reset the product to its original default settings.

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Activation Devices - Push Plate / Button

- Test the button by pressing it once. The door should swing smoothly to the open position and stop without impact. After a time delay (normally 1s to 5s) the door should close smoothly.
- Repeat on the other side of the opening if the door has two-way operation.

NOTE: if there is more than one push plate on each side of the door, each push button should be tested.

TROUBLESHOOTING

PROBLEM	POSSIBLE SOLUTION
Programming function does not work.	1. Is there an ON/OFF switch connected? A switch must be connected from the ON terminal pin to the OFF terminal pin for programming to work.
	2. Slide switch must be moved to PROG for programming options to be modified.
Door does not open after being triggered.	1. Is power connected and ON? (7 segment LEDs will light with power ON)
	2. Is program/run switch in the Arun@ mode? (switch should be down)
	3. Which activation situation is selected? See setting A1 - If LED is ON for program setting A1, the Activation input 2 will only activate the door while it is closing and has not reached Latch.
	4. Is there an ON/OFF switch connected? A switch must be connected from the ON terminal pin to the OFF terminal pin for the doors to open.
Door does not open if triggered immediately after going into Latch.	1. Increase the Safety1 inhibit time. See Setting 9.
Push and Go function does not work.	1. Is operator equipped for Push and Go? Only an operator WITHOUT a clutch will work for push and go. Operators with a clutch cannot provide push and go.
	2. Is Push and Go function enabled? See setting A3
	3. Reduce push and go sensitivity. See setting 6
Door does not delay when triggered even when a delayed time has been set up.	1. Which activation situation is selected? See setting A1 - If LED is ON for program setting A1 this is a special activation situation and there is no delay
	2. Only Activation Trigger 2 input (ACT=N 2) will provide a delay on opening. Activation Trigger 1 input (and the push button on the board) will ALWAYS give an instant trigger regardless of how the time delay has been set up
Door opens slowly	1. Check to see that the Back Check and latching magnets are adjusted properly
	2. Increase the opening speed – Function 0
Door will not open	1. Make sure the door is unlocked and main power is on.
	2. Remove obstacle that could be causing the door not to open.
	3. Make sure the 3 position switch (I 0 II) is set to automatic mode (I)
My door will not close	1. Remove any obstacle from in front of the door, which is activating the sensor, thus keeping the door open.
	2. Make sure the 3 position switch (I 0 II) is set to automatic mode (I)

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