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INSTALLER & USER MANUAL

Please read this instruction manual carefully before using this product.

Model: HA-8 LOW PROFILE
AUTOMATIC SWING DOOR OPERATOR

www.entrematic.ca
www.entrematic.us

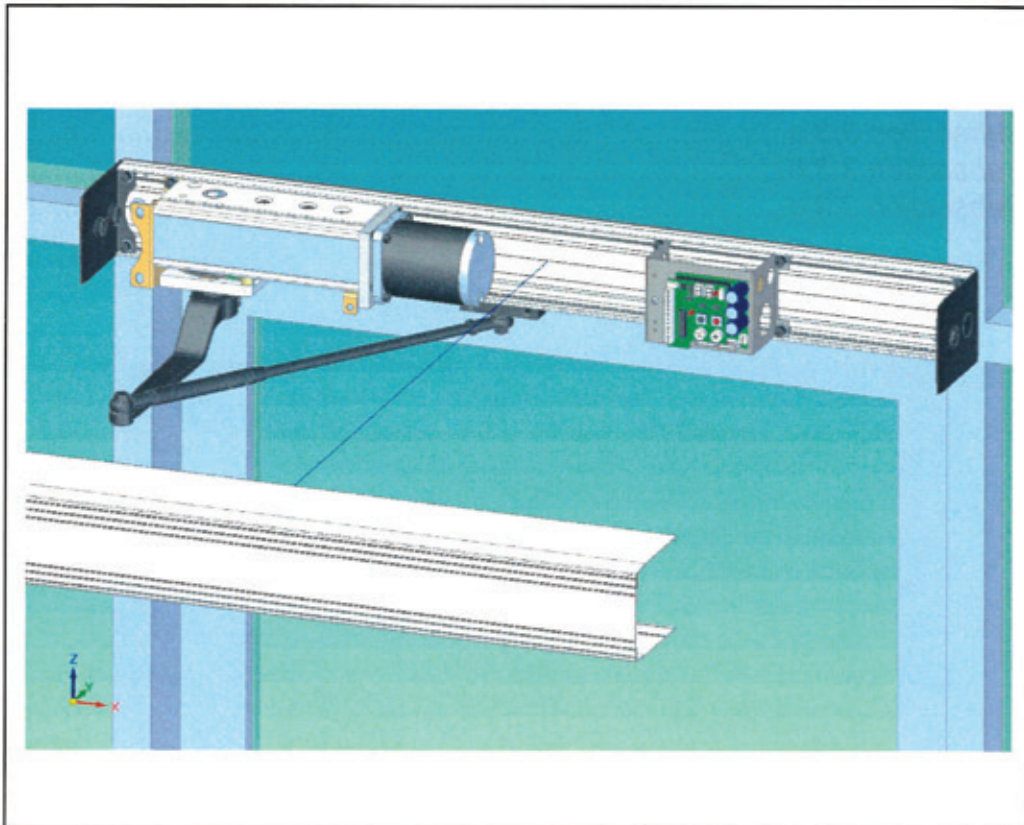



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WARNING:	AVOIDANCE OF ELECTRIC SHOCK, INJURY, FIRE OR MALFUNCTIONS
	<p>PLEASE READ ALL INSTALLATION INSTRUCTIONS BEFORE USE</p> <p>POWER ACCEPTANCE 110V AC – 50/60 HZ</p> <p>CONTROL BOARD POWER SUPPLY 16V DC</p> <p>CONTROL BOARD TO BE CONNECTED TO EARTH (GROUND)</p> <p>POWER SHOULD BE SWITCHED OFF DURING INSTALLATION</p> <p>KEEP FINGERS & CLOTHING CLEAR OF ALL MOVING PARTS</p> <p>ADJUSTMENTS MUST BE PERFORMED BY APPROVED PERSONNEL ONLY</p> <p>REPAIR & ALTERATION TO ALL COMPONENTS IS PROHIBITED</p> <p>REMOVE ALL PULL ROPES AND REMOVE, OR MAKE INOPERATIVE, ALL LOCKS (UNLESS MECHANICALLY AND/OR ELECTRICALLY INTERLOCKED TO THE POWER UNIT), THAT ARE CONNECTED TO THE DOOR BEFORE INSTALLING THE OPERATOR.</p> <p>INSTALL THE DOOR OPERATOR AT LEAST 8 FEET ABOVE THE FLOOR IF THE OPERATOR HAS EXPOSED MOVING PART.</p>
WARRANTY:	CONTACT YOUR LOCAL REPRESENTATIVE FOR WARRANTY CLAIMS AND VALIDITY

SPECIFICATION

MODEL	HA-8-LP	
Application	Restricted - Low Energy	
Door Weight (max)	350 lb.	
Operator Dimensions	(L) x 4 1/8 in. (H) x 5 1/8 in. (D)	
Operator Net Weight	17 lb. Approximate	
Power supply	110V ~ 115V AC, 50/60Hz	
Consumption	DC16V / 3 AMP	
Rated operation	Continuous opening and closing cycles	
Operation during Power failure	Low manual resistance when opened by hand. Door closing by spring.	
Hold Open	Pulsed Energy to Motor. No overheating. Continuous Hold Open	
Operating environment	Ambient temperature -20 deg. ~ +50 deg. (No condensation or icing)	
	Ambient humidity 30% to 85%RH (No hazardous materials must be present in the atmosphere)	

Important Notice

It is the responsibility of the final installer and/or Installation company, to certify that the final completed operator is in accordance with:

1. ANSI A156.19-for- low energy swinging doors
2. ANSI A117.1 SAFTEY CODE, Section 404.3 requirements
3. ADA law section 4.13.12
4. Complete Authorized Technician Check List

Complete and Retain In Accordance

Manufacturer:

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Pittsburgh, PA 15205

Tel: 412-200-5750
Fax: 412-200-5751
Email: info@entrematic.com

Entrematic CA
221 RACCO PKY.
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Toll Free: 877-348-6837

Machine Description:
Model:

AUTOMATIC SWING DOOR OPERATOR
HA-8-LP



HOW THE DOOR OPERATES

Operation Switch - You will find the operation switch on the side cover.

- With the door in the closed position. Check that the door is unlocked and the main power switch is on. (A main power isolator switch should be positioned to the side of the header)
- Check the status of the 3 position switch, located on the side cover.



II = Hold Open
0 = Manual
I = Automatic

Automatic Mode

- The switch should be set to the (I) automatic position for activation.
- Activate the push button or knowing act device. The door opens to about 80 degree position at full speed, then will slow for the final 10 degree of opening until full open is complete. (There is no need for a learning cycle as the open position is already pre-set during installation)
- After the pre-set open time is complete, the door will begin to close at the set closing speed, until the final 10 degree of closing, when the door will slow for the final 10 degree of closing until the full latch position.

Hold Open Mode

- The switch should be set to the (II) hold open position in order hold the door open automatically for an extended length of time.
- No Activation or Safety sensor signals will be active in this mode as the door is stationary in the open position. The door will remain held open continually by a pulsed signal to the motor without overheating. To close the door, move the switch to either automatic (I) or off position (0) and the door will close smoothly and gently to the full closed position.

Off Mode

- The switch should be set to the (0) off position. No Activation signals or (Safety sensor signals if equipped) will be active in this mode as the door is stationary in the closed position. Power will remain ON and supplied to the unit, however all signals will be ignored. The door can be opened easily with minimum force.

Basic Operation

- When the door receives activation the door opens and brakes before the fully open position and opens slowly to the full doorstop position, following the programmed data.
- Once pre-set open time period is complete, the door will close at the pre-set closing speed, braking to low speed a little before the fully closed position and closes slowly.
- When an activation signal activates while the door is closing, the door will stop and reverse to open.

Safety Features

The control board can accommodate overhead and door mounted safety sensors.

- If equipped the safety sensor on the closing side of the door is activate while the door is closing, the door will reverse to open.
- If equipped the safety sensor on the opening side of the door is activated by another pedestrian while the door is opening, the door will stall until that pedestrian has left the opening area.
- If the door is equipped with an overhead safety sensor, the door will not open if there is an obstruction or pedestrian in the swing path.
- If the door is equipped with an overhead presence sensor and in the closed position, the door will not open if there is an obstruction or pedestrian in the swing path.

Activation Devices

The HA8-LP is compatible with all devices using a dry contact switch, usually hardwired or radio controlled. All activation signals should be wired to Activation 1 and Common. When a door is used in a vestibule the built-in sequence can be used to allow both doors to operate in sequence. This is achieved by wiring Activation 2 on both boards together. The delay at which the second door opens after the first door opens is set using function #5 on the programming schedule, up to 5 sec delay is achievable.

Push Plate or Knowing Act Device

- Test the knowing act device. 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.

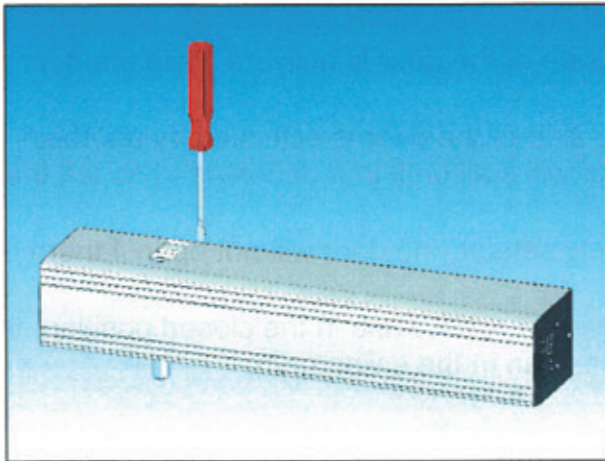
Electric strike

Only the HA-8 LP control board is capable of supplying power to a 24 VDC electric strike. When the door is triggered a contact closure occurs across Ground and N.O. or N.C. to energize the strike. The strike has a delay function from .125 seconds - 2 seconds.

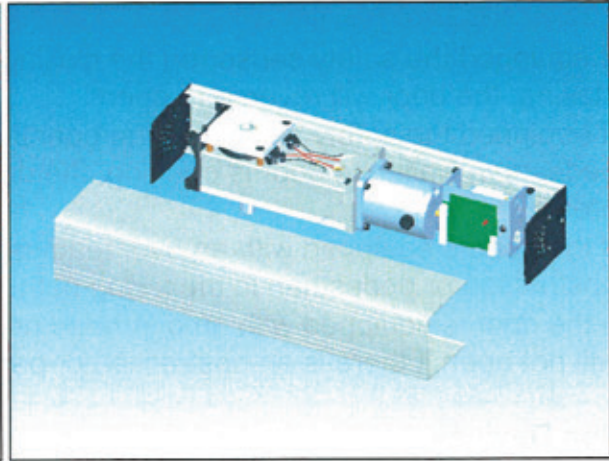
NOTE: If there is more than one push plate or Knowing Act Device on each side of the door, each should be tested.

Installation - Base Installation

MOUNTING

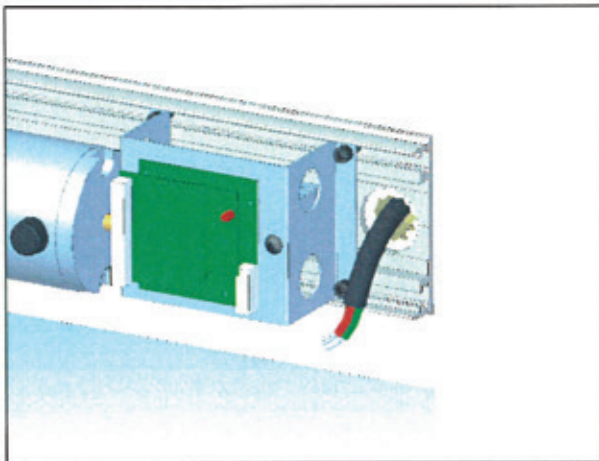


Removing The Cover (A)

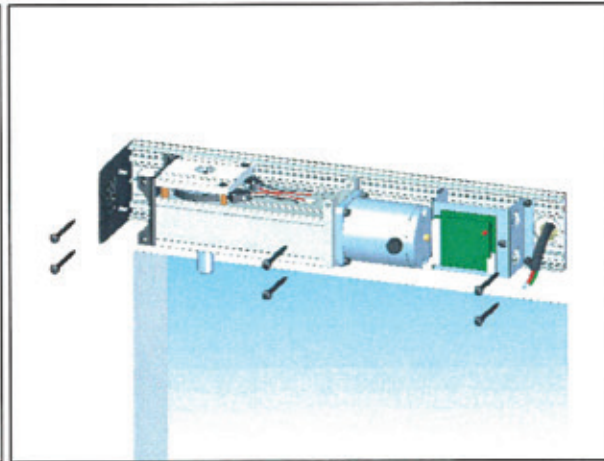


Removing The Cover (B)

1. Remove the cover from the assembly by gently prying with a screwdriver.
2. Once the snaps are clear pull the cover straight off.
3. Verify that the operator is the correct orientation. (Left Push), (Right Push), (Left Pull), (Right Pull)
4. Holes are provided for the high voltage wires. Hold the operator in position and mark the wall. If the hole is not at a convenient location you can drill the backer plate to suit.
5. Anchor the operator to the wall with a minimum of six (6) - #14 x 1" Pan Quad Type A screws (provided). Depending on the application, you may need to provide other screws if your installation requires it.
6. Use two (2) screws to fasten the backer plate directly to the doors vertical jambs on the hinge side.
7. Use three (3) to four (4) screws to fasten the backer plate to the top of the door frame. The header needs to be strong enough to support 200 lbs.
8. When installing a support plate for the full width of the door frame, fasten an additional two (2) screws to the vertical jambs on the strike side of the door.
9. The back plate and motor/gearbox can be fastened to the door opening as one complete unit or the motor/gearbox can be removed from the support plate and installed first.



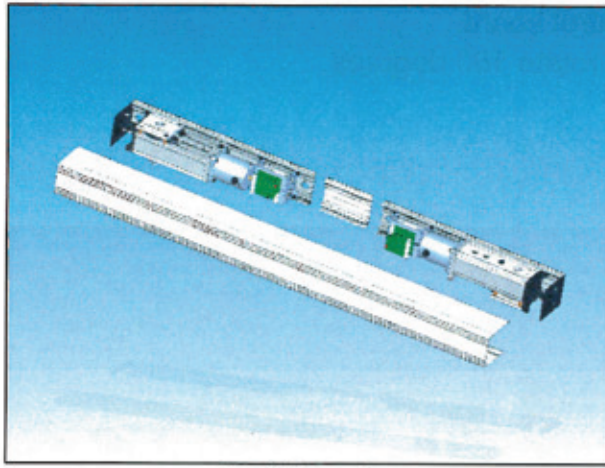
Main Voltage Wire Routing



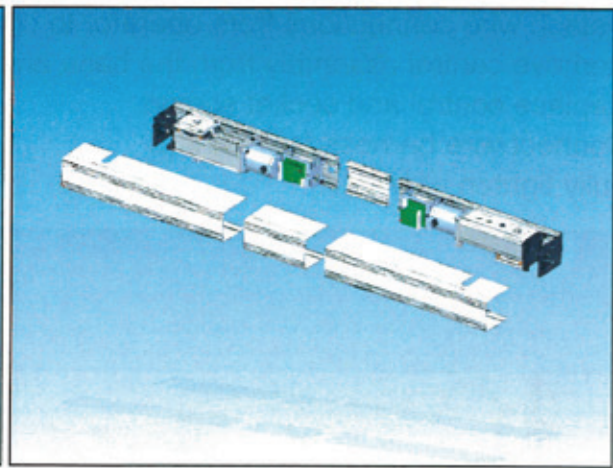
Mounting Screws

Double Egress Header

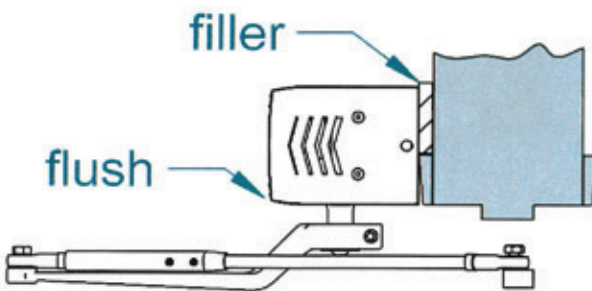
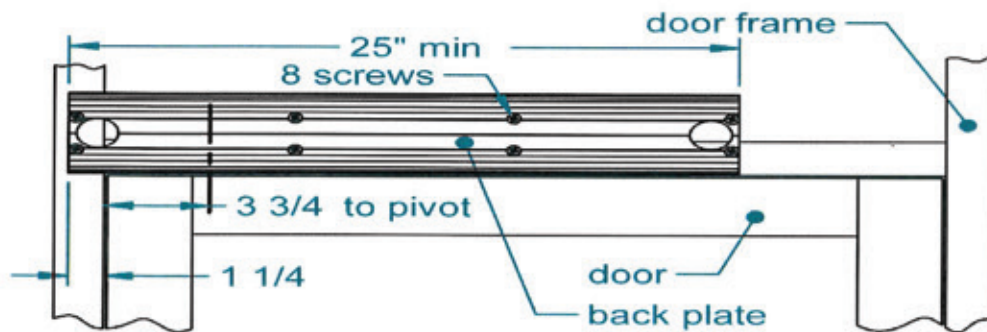
A double egress operator has one (1) PULL type and one (1) PUSH type operator in the same housing. The header must be mounted $1\frac{3}{8}$ " above the door frame. Be aware, arm clearance issues for the PUSH type operator may arise. To insure the arm clears any existing doorstops, mount the arm according to Option 1 under Push Arm Installation.



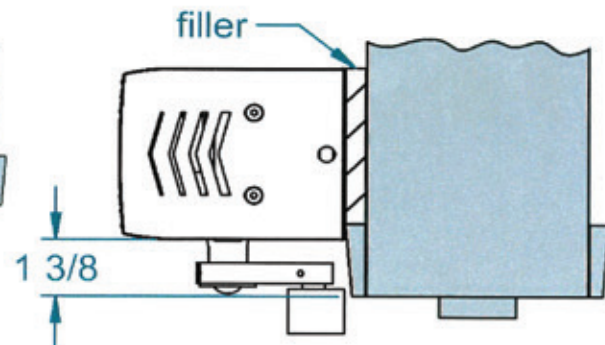
One Piece Cover



Three Piece Cover



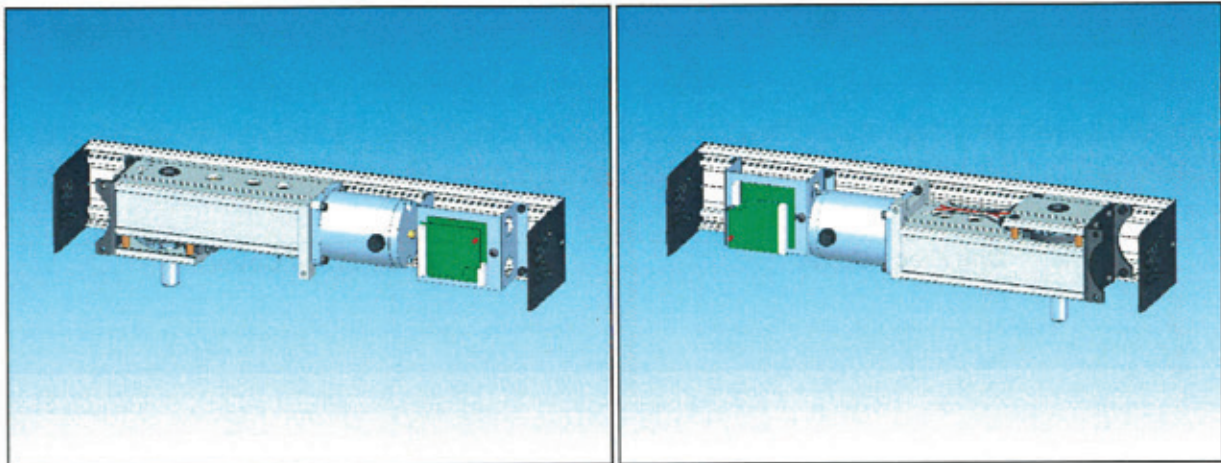
Push Installation



Pull Installation

Changing Left to Right Push

1. Invert the entire operator assembly 180 degrees.
2. Remove drive shaft from motor gear box assembly (See changing position of drive shaft).
3. Re-attach drive shaft to opposite side of motor gearbox assembly.
4. Detach wire connections from operator to control board.
5. Remove control assembly from the base and rotate 180 degrees.
6. Replace control and socket screws.
7. Connect wire harness (see wiring).
8. Fully tighten all bolts.

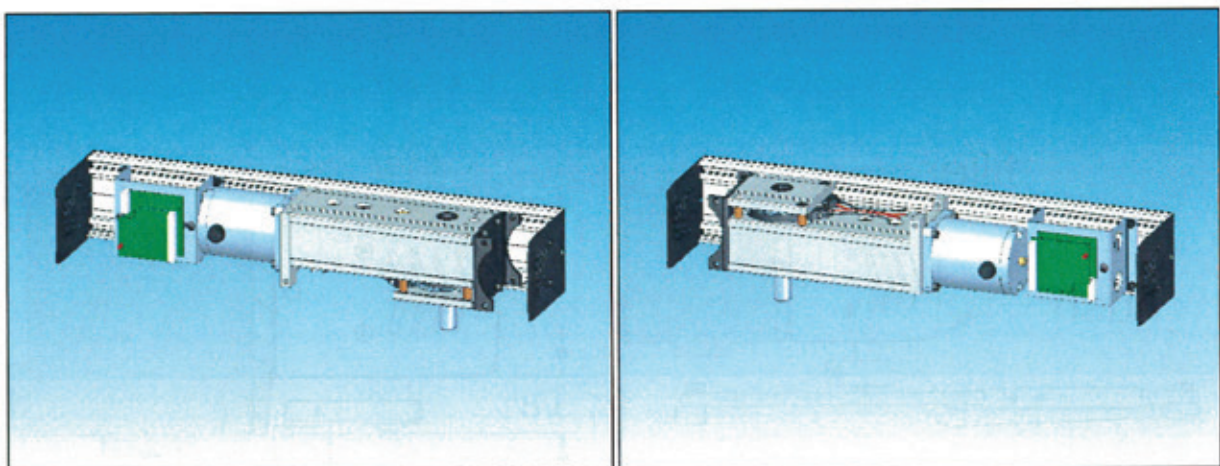


Left Hand Push

Right Hand Push

Changing Left or Right Push to Pull

1. Disconnect wire harnesses and switch wiring from control.
2. Remove gear box assembly from mounting plate.
3. Re-attach gear box to opposite side of mounting plate and loosely tighten screws.
4. Connect wire harness and switch wiring (see wiring).
5. Fully tighten all bolts.



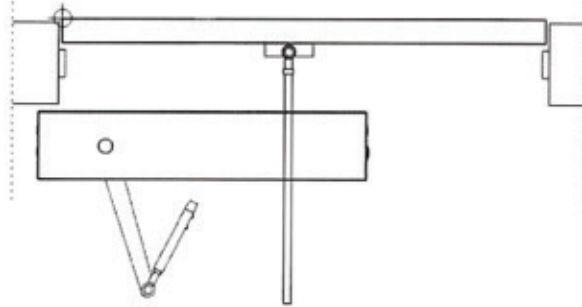
Left Hand Pull

Right Hand Pull

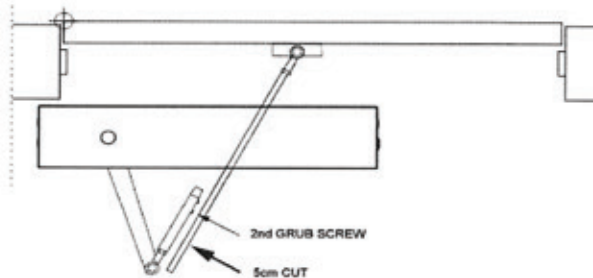
Out Swing (Push) Installation

The following four (4) simple steps will allow the door to be set up quickly and correctly. (See installation drawing)

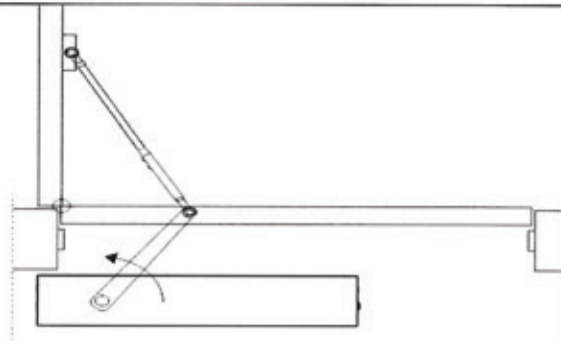
1.
 - a. With door in the closed position, install door shoe 14 inches from hinge side and 2 ¼ inches from top of door.
 - b. Attached rod to door block. Fit cast arm and sleeve on drive shaft at 80 degrees to the door latch.



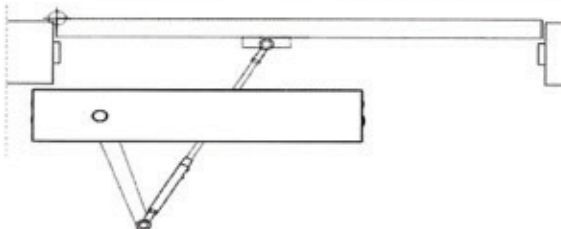
2.
 - a. Line up rod with sleeve and mark 1 inch past 2nd set screw and cut.
 - b. Remove cast arm from drive shaft and insert rod fully into sleeve. Tighten set screws.

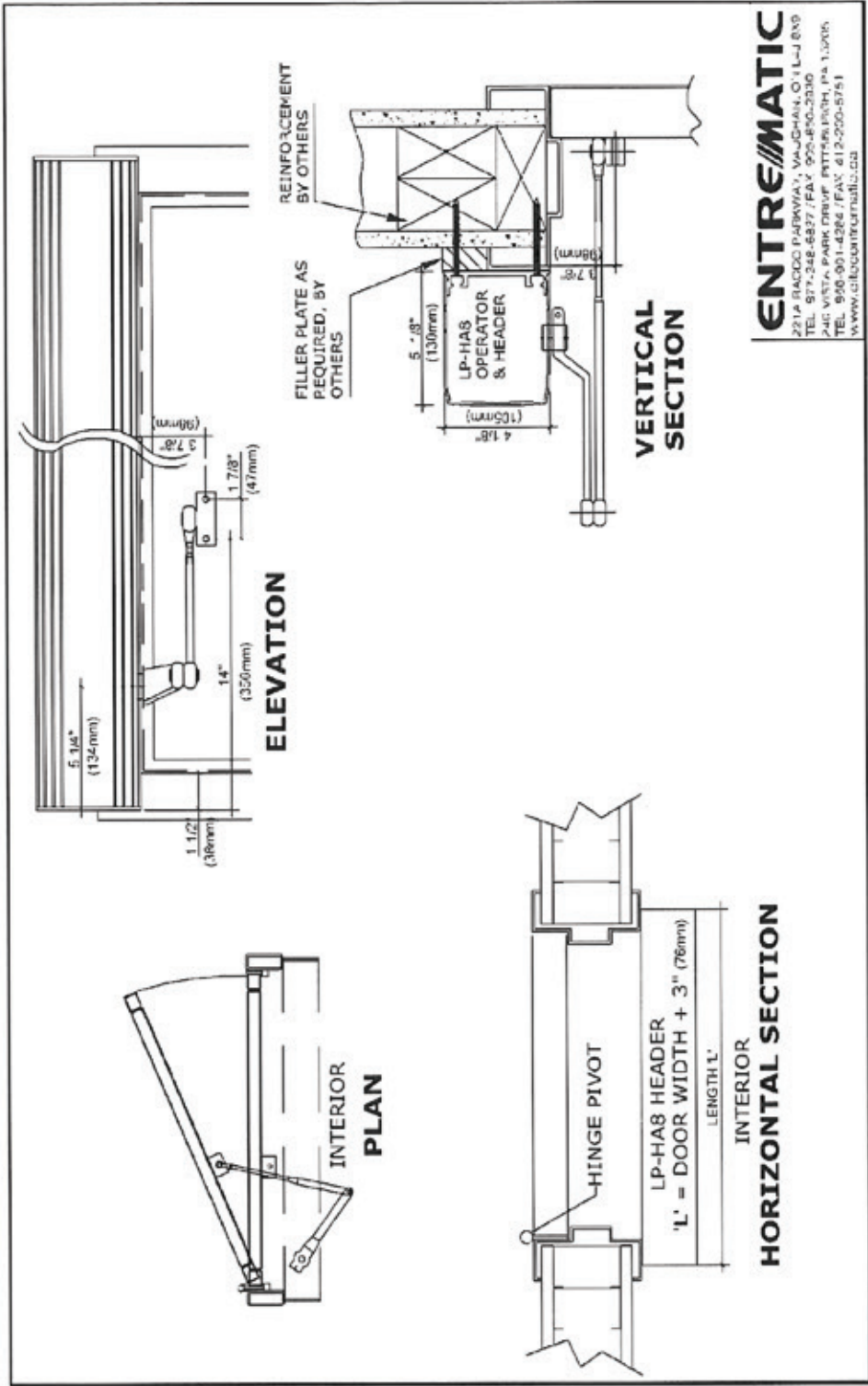


3.
 - a. With arm now fully assembled and fixed to the door (by door-shoe only), set three-position switch to Hold Open (=). Allow the drive shaft to turn fully until hitting the built-in door stop.
 - b. Fit cast arm assembly to the drive shaft at the full open position and tighten. If needed, loosen set screws for minor adjustment of door position.



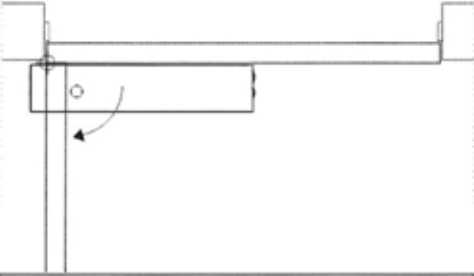
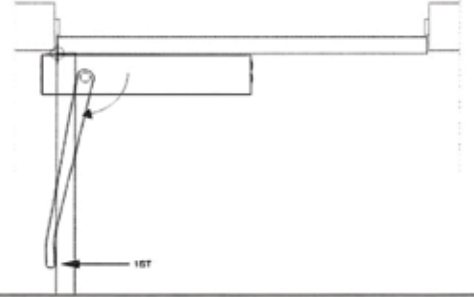
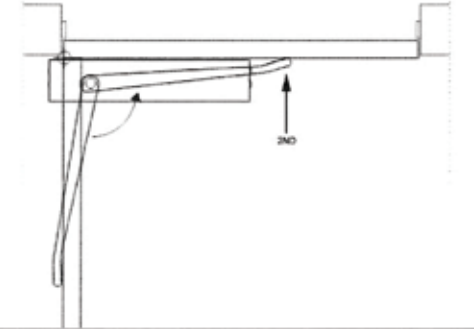
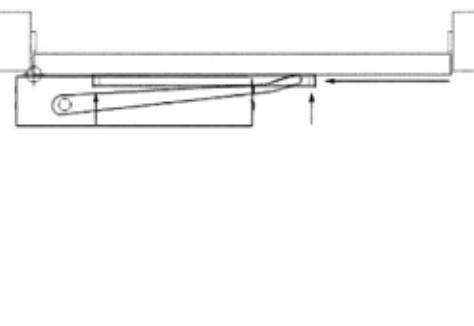
4. Set three-position switch to Automatic (-) and allow door to close under spring pressure. Test and adjust if necessary.

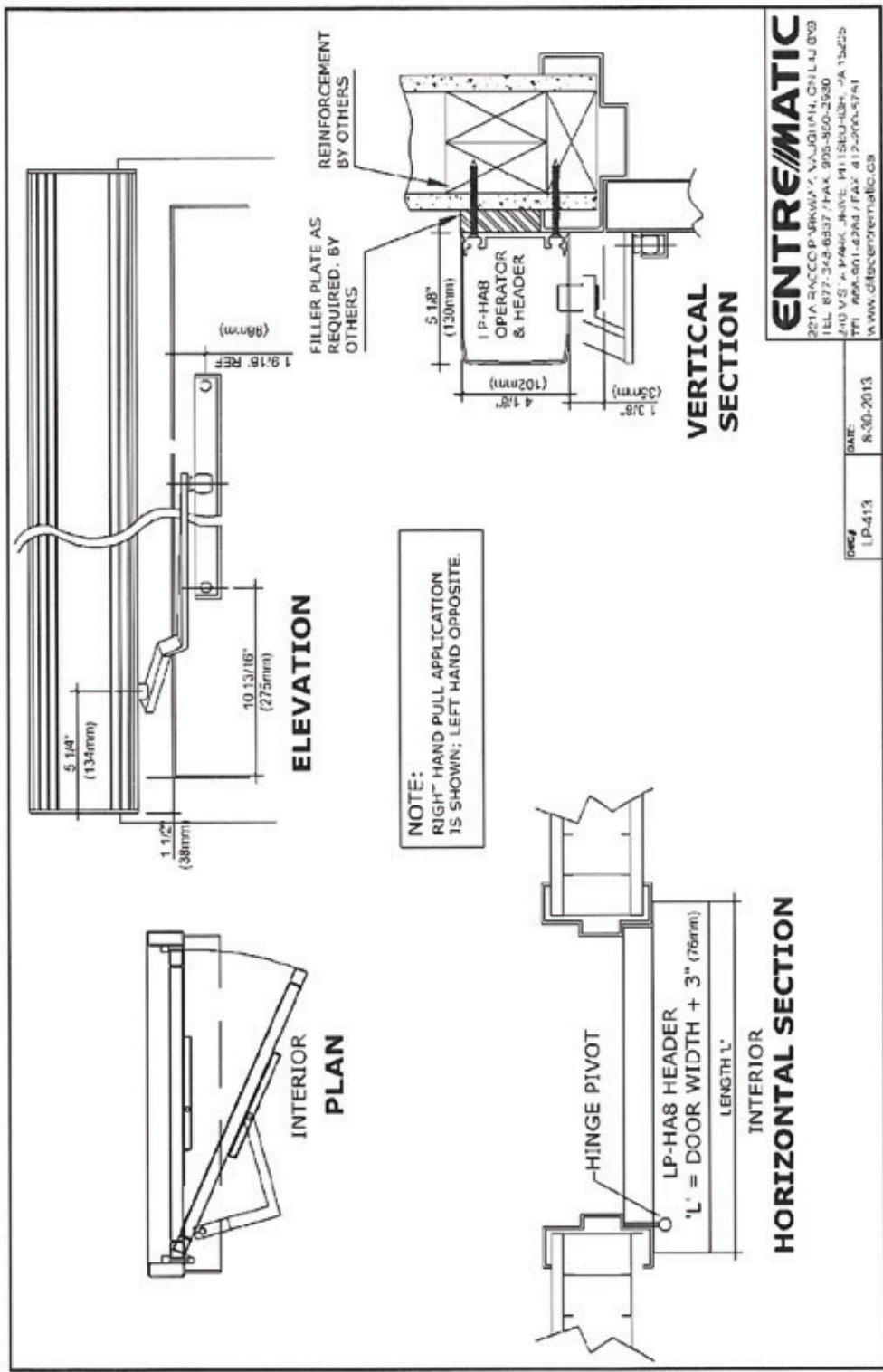




In Swing (Pull) Installation

The following four (4) simple steps will allow the door to be set up quickly and correctly. (See installation drawing)

<p>1. Open the door to full open. Set three-position switch to Hold Open (II). The drive shaft will turn fully until hitting the internal doorstop.</p>	
<p>2. Fit slide arm to the drive shaft at the full open position and tighten. Mark open position where roller touches door.</p>	
<p>3. Set three-position switch to manual (0) and allow door to close under spring pressure. In closed position, place mark where roller touches door.</p>	
<p>4. Fit slide track in line with 1st and 2nd mark and fix to the door. Turn three-position switch to automatic (I). Test and adjust if necessary.</p>	



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REV: LP-413
 DATE: 8-30-2013

LATCH & BACK CHECK SETTING

Latch Position

With door at closed position, set Proximity Magnet to activate LATCH. This will begin Closing Low Speed or Latch for 10 degrees of travel, prior to door reaching full closed position.

Back Check Position

With door at full open position, set Proximity Magnet to activate BACK CHECK. This will begin Open Low Speed or Back Check for 10 degrees of travel, prior to door reaching full open position.

Adjustment

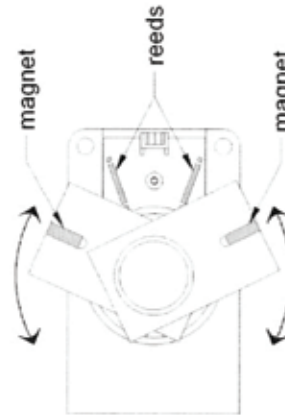
Setting Latch and Back Check position can be achieved using a small flat head screwdriver.

1. Set latch check Upper Magnet over the reed switch at full **CLOSED**.
2. Open door to full **OPEN** (90%).
3. Set Back Check Lower Magnet, while holding Latch magnet in place.

Latch and Back Check Proximity Switches are clearly indicated as shown by the sticker attached to the motor gearbox below.

TIP: At Latch and Back Check – Door should slow for the final 10 degrees of open or close movement. Back Check and Latch speed adjustment may be necessary via control panel. (LED 1/2 – 0~5 in 6 steps)

WARNING: Proximity Switch **MUST** engage at open or close, otherwise door will not operate correctly and power fuse may be blown (overload).



ELECTRICAL

Electrical power can now be safely supplied to the HA-8 operator. The 115±5VAC supply lines are connected to the black primary wires coming from the transformer and the ground wire is attached to the operator header box. Mount the power switch by drilling a hole in the header to the latch side of the unit.

The controller board settings have been pre-set prior to shipment. It will be necessary for the door operator to be functional while adjustments and settings are made. A black push actuator is mounted on the upper left corner of the circuit board to ease in the adjustment process. Power up the unit and push an activating device and check to make sure that the splined pinion drive rotates in the correct direction.

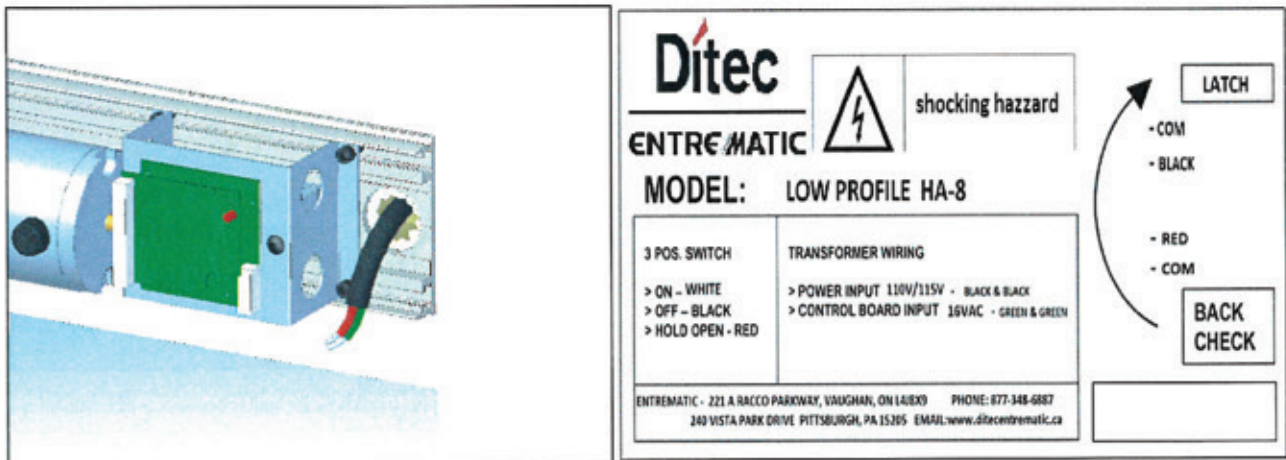
(Add Diagram Here)

NOTE: THE GROUND WIRE FOR THE INCOMING 115±5VAC POWER AND THE SYSTEM GROUND WIRE CANNOT SHARE THE SAME GROUNDING STUD. GROUND THE INCOMING 115±5VAC ACCORDINGLY.

Note: Installation of any extra wiring for controls or accessories into the header unit shall be secured away from any moving parts.

WARNING: If the motor is not plugged into the circuit board, there is no resistance against the spring when manually opening the door. The door or arm will close very quickly if opened.

Keep all wires away from moving parts and sharp edges that may cut into the outer casing of the wires.



(Note to team – Diagram on right does not have an email)

After the operator and (push or pull) arm are installed and main power is connected. Check that the magnets are set for back and latch check than hit test button on control to activate door.

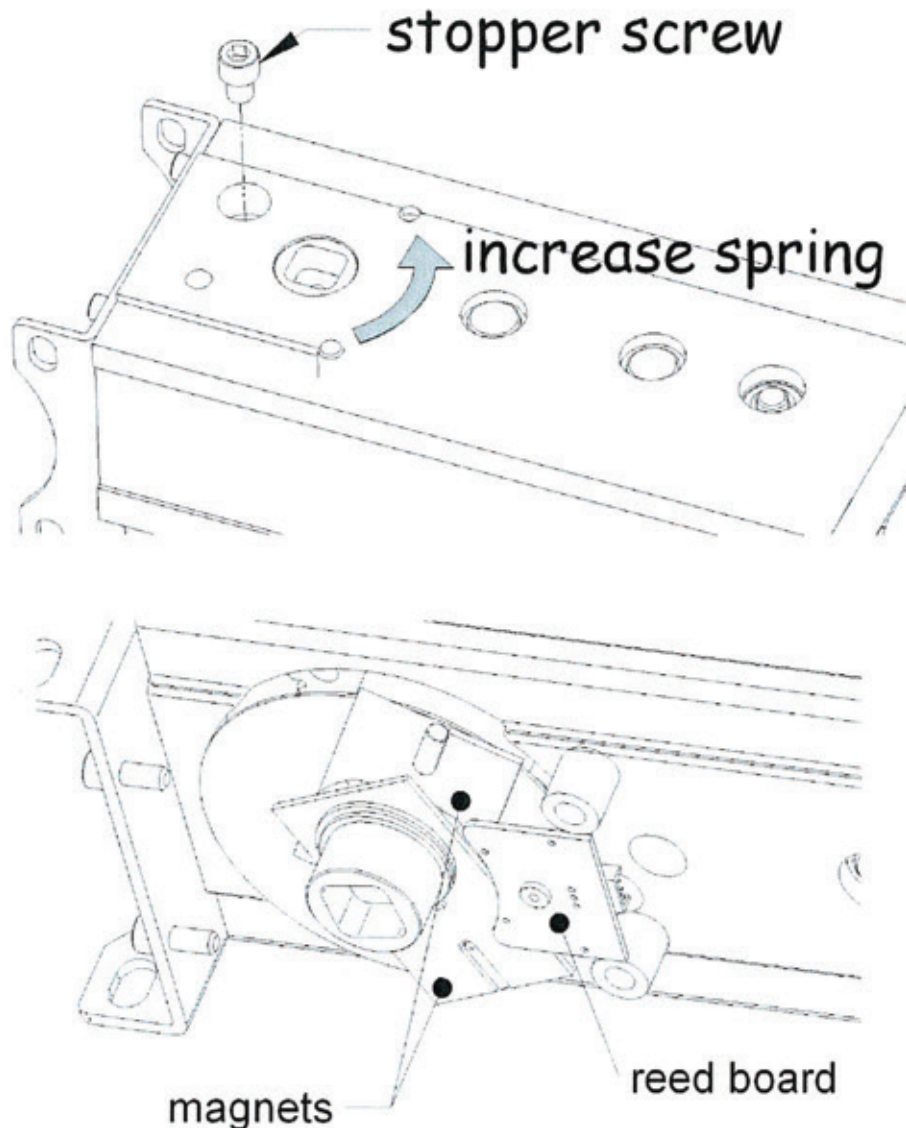
Increasing or Decreasing Spring Tension

Moving the stop one to two set holes in main gear using arm

You can increase or decrease the spring tension for windy conditions to provide increased latch pressure. Note: The drive unit must be removed from the header to make this adjustment and this will also change the manual opening and closing force (Check your local codes).

To do this:

1. The door stop can be removed from an access point in the gearbox housing, as shown in drawing
2. Once the set hole has been established, the door stop can be replaced in the gearbox housing and tighten in place.
3. Additionally, re-adjustment must also be made to settings of magnets for the BACK or LATCH CHECK.



CONTROL SETTING

To adjust function & values there are three (3) Switches

1. RUN and PROGRAM
2. PASS Button
3. SET Button

Adjusting Settings – Slide Program/Run Switch to:

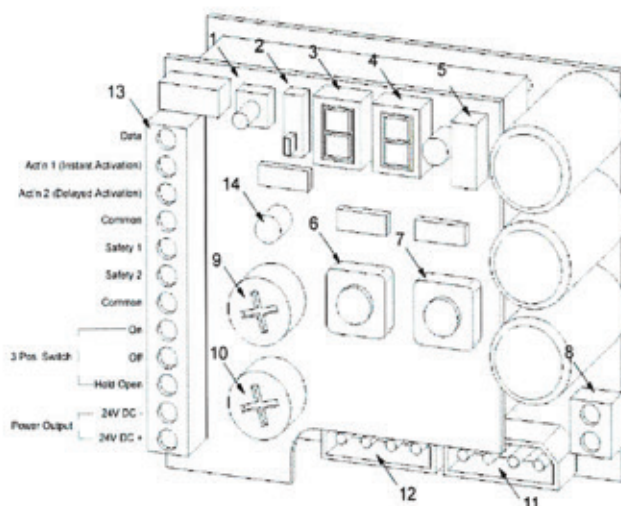
1. PROGRAM MODE - Functions can be modified.
2. RUN MODE - Function settings can be viewed but not modified.

Programming:

1. Move PROG/RUN Switch to 'PROGRAM'
2. Press PASS Button to scroll through Functions
3. Press SET Button to change present function value
4. Move PROG/RUN Switch to 'RUN' when adjustment is complete
5. Press Activation to test.

IMPORTANT – Setting Overload:

1. Turn Overload pot fully counter-clockwise – followed by ¼ turn clockwise.
2. Red Overload LED should not go 'on' when opening.
3. Test with obstruction – door will cut power after about 2 sec and close by spring pressure.



1. Test Button
2. Program/Run Switch
3. Function LED
4. Setting LED
5. Latching Plug
6. Pass Button
7. Set Button
8. 16V Input
9. Overload
10. Closing Speed
11. Motor 2 (n/a)
12. Motor 1
13. Input Term.
14. Overload LED

IMPORTANT - To RESET to the Default Settings, press both the SET and PASS buttons for 5 seconds.

NOTE: PRODUCT WILL NOT OPERATE WHEN SLIDE SWITCH IS SET TO PROGRAM – SYSTEM IS STILL IN PROGRAM MODE

OVERLOAD (Opening Torque Adjustment)

OVERLOAD IS THE TORQUE ADJUSTMENT SETTING FOR THE AMOUNT OF PRESURE WITH WHICH THE DOOR PUSHES AGAINST AN OBSTRUCTION, BEFORE CUTTING OFF FOR SAFETY.

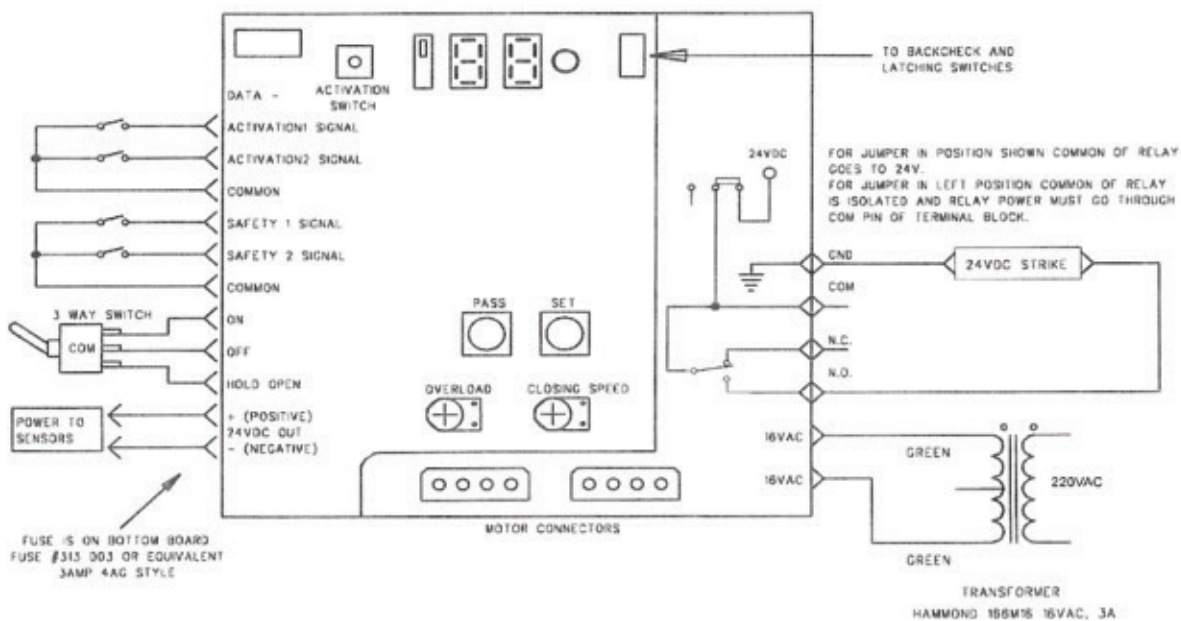
Overload POT - Basic Setting Position for a Standard Door



Testing with obstruction

For Optimum performance, door will open and push against obstruction for 2 sec then close. Adjust Overload according to door weight, size and site condition.

- For heavier doors – overload can be increased against weight resistance
- For lighter doors – avoid over setting of overload
- For external factors (door condition, wind, stack pressure) – Adjust overload according to each site condition.



DITEC HA8 DIGITAL TYPE CONTROL BOARD & WIRING W5-160

DITEC ENTREMATIC HANDICAP AND FULLY AUTOMATIC WITH DIGITAL PROGRAMMING SPECIFICATIONS

Software version 09827G4_HA (Handicap)
Software version 09827G2_FA (Fully Automatic)

INPUTS

AC VOLTAGE

LINE VOLTAGE		TRANSFORMER (Hammond)
120VAC 60Hz	Fully Automatic	#166N24 – 24VAC – 4AMP
120VAC 60Hz	Handicap	#166M16 – 16VAC – 3AMP
240VAC 50Hz	Fully Automatic	#266N24 – 24VAC – 4AMP
240VAC 50Hz	Handicap	#266M16 - 16VAC – 3AMP

ACTIVATION1 (ACT=N1)

- First input to open the door. Instant Activation.
- ON = Closed contact to ground/common.
- See Function AA", Setting A1" for description of alternate operation.

ACTIVATION2 (ACT=N2)

- Second input to open the door. Delayed Activation.
- ON = Closed contact to ground/common.
- See Function AA", Setting A1" for description of alternate operation.

SAFETY1

- For Safety1 ON door will not open if presently fully closed and door will not close if presently fully opened
- ON = Closed contact to ground/common.

SAFETY2

- For Safety2 ON and activation1 input ON door will drive at hold speed. If activation1 input goes off door closes. If Safety2 goes off door will open.
- ON = Closed contact to ground/common.

OUTPUTS

MOTOR - 2 motor connectors to drive door in either clockwise or counter clockwise direction.

Data - AND Data + - interface with BEA Body Guard sensor. (Replaces LO-21K lockout relay)

OTHER FEATURES

CLOSING SPEED: Adjustable by potentiometer.

BACK CHECK and LATCHING: One (1) switch for each

LOCKOUT: Lockout of door while closing is selectable via Function AA", Setting A2".

PUSH AND GO: When Push and Go is selected a manual push of the door will trigger the door to open. Selectable via Function AA", Setting A3". Default is OFF

OVERLOAD: Selectable Overload setting. Adjustable by potentiometer



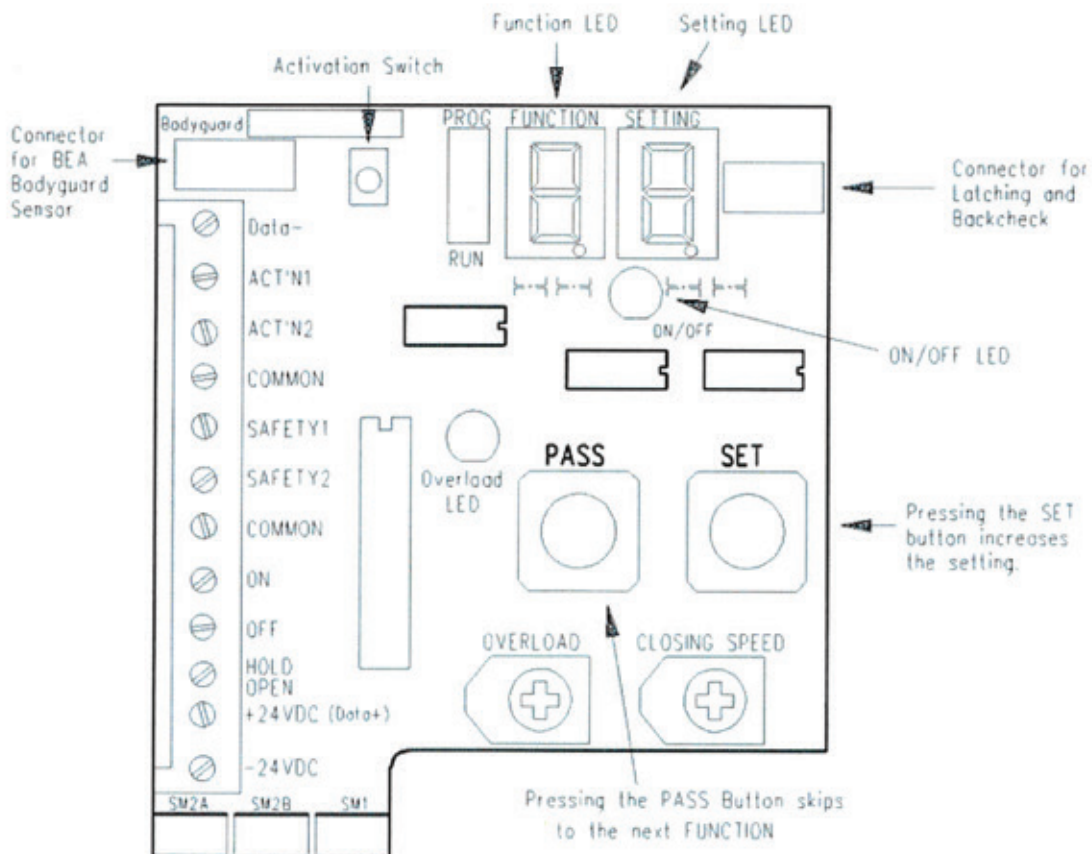
ON/OFF/HOLD OPEN: Terminal block position to accommodate a 3 way switch for ON, OFF and Hold Open positions.

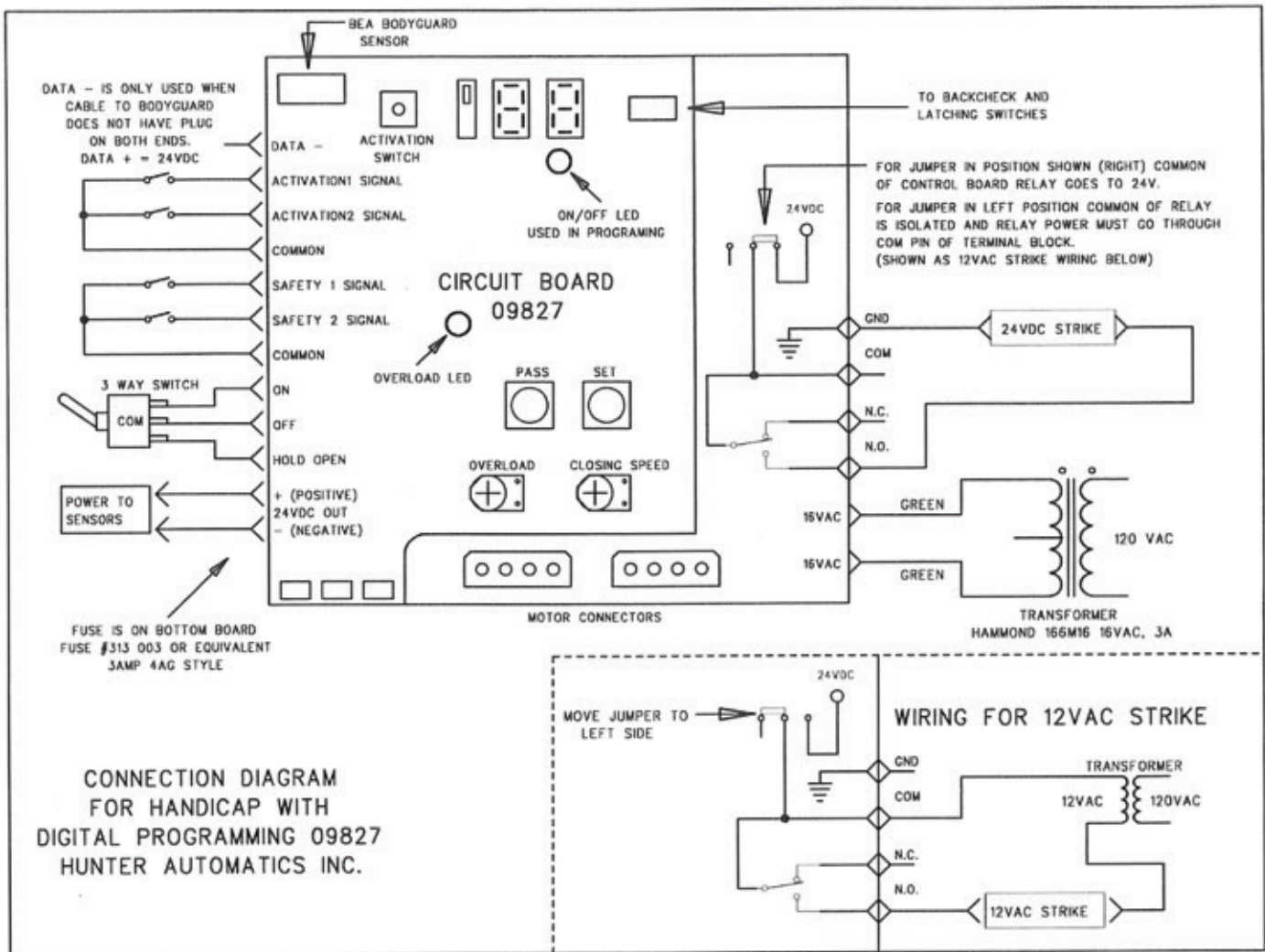
PROGRAMMING

There are two (2) seven (7) SEGMENT LED DISPLAYS used for programming. The first digit is used to indicate what function is being programmed. The second digit is used to indicate the value of that function. Of the three (3) switches that relate to programming, there is one slide switch and two push button switches. The slide switch is either in PROGRAM or RUN mode. During Program mode, the function settings can be modified. During the Run mode the function settings can be viewed but not modified.

IMPORTANT - THE DOOR WILL NOT OPEN WHEN THE SLIDE SWITCH IS SET TO PROGRAM.

The push button switches are labelled PASS and SET. Pressing the PASS button, will select the next function. Pressing the SET button, will change the present function value (when the slide switch is in PROGRAM mode).



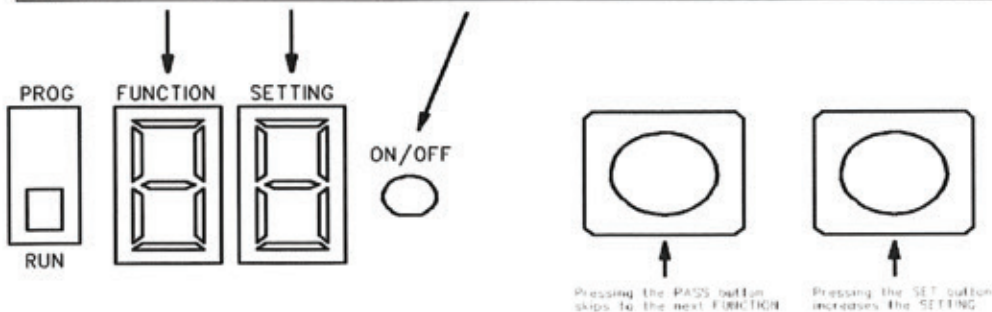


Note: A Switch or Jumper must be wired from the ON terminal to the OFF terminal for Programming to work. This is only needed if there is no switch on the board.

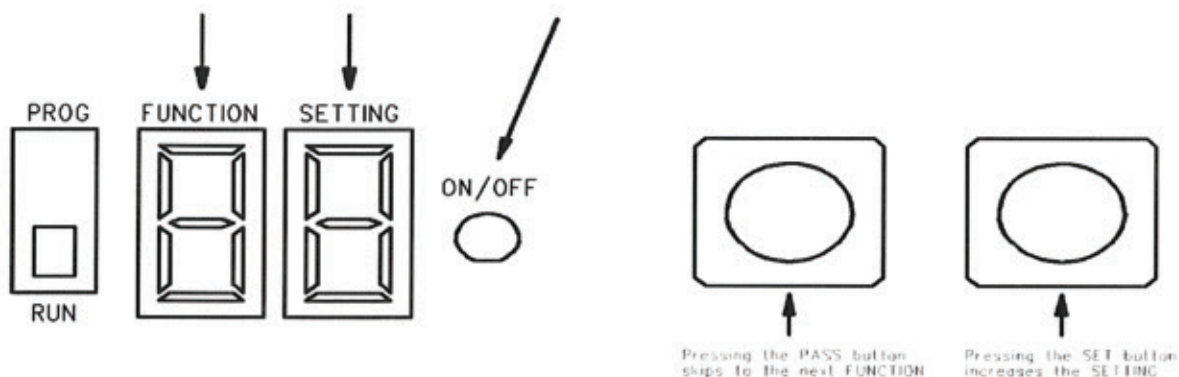
PROGRAMMING SPECIFICATIONS

FUNCTION LED	SETTING LED		FUNCTION DESCRIPTION	DEFAULT SETTING for F.A. AND H.C.	
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 = 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 = 25sec F = 30sec	ACTIVATION TIME The time that the door remains open, starting when the activation trigger goes OFF. 1 to 30 sec	5
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 = 25sec 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	

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 Door Fully Open Door Closing Door fully closed	- Safety1 sensor has no effect - Safety1 sensor ON = door will not close - 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 - Safety1 sensor ON = door will not open		
A5 – LED ON (Door mounted Sensor)	Door Opening Door Fully Open Door Closing Door fully closed	- Safety1 sensor has no effect - Safety1 sensor ON = door will not close - Safety1 sensor ON = door drives at HOLD speed - Safety1 sensor has no effect		



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.

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)

If the problem persists, contact your authorized Ditec Entrematic representative for service.

FINAL INSTALLATION PROCEDURES

Header Cover Installation

After all adjustments have been finished, the face cover must be installed to the back plate by snapping cover into position.

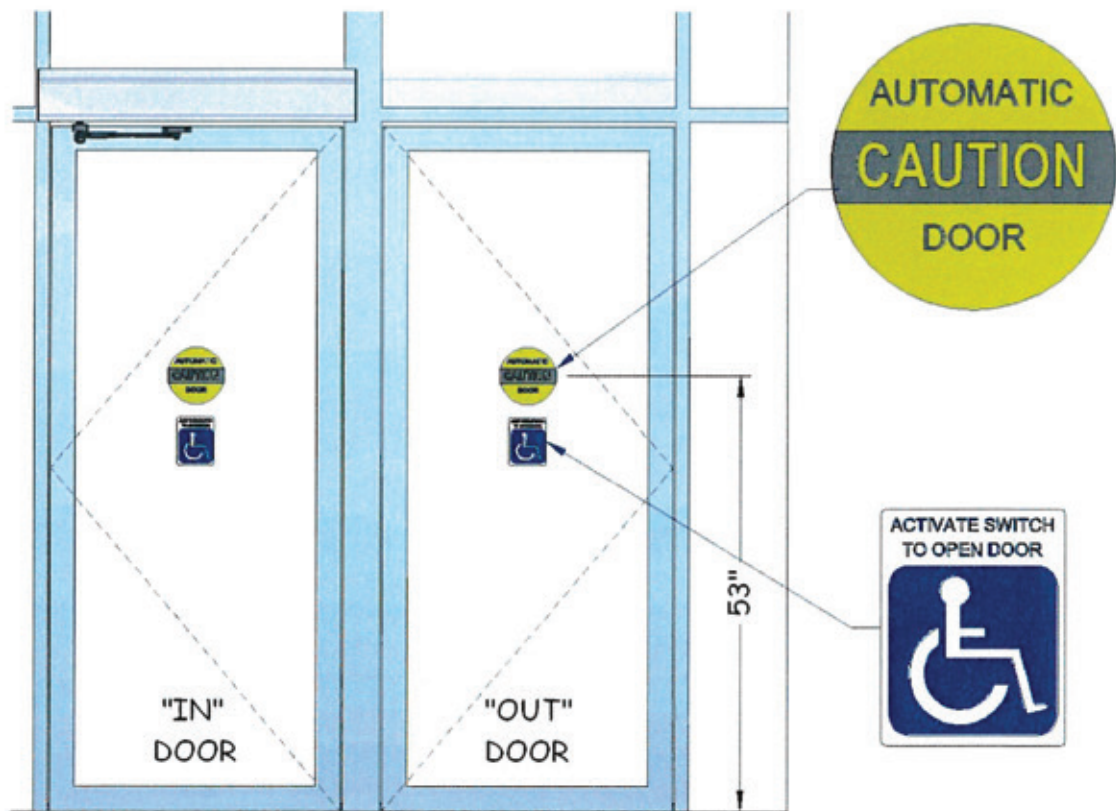
Before leaving the job site, clean up the work area, make sure all bolts are tight, Clean glass and Install safety decals

Safety Decals

IMPORTANT - Install all safety, traffic control, and instruction decals to the door as required. Failure to do this leaves the installer and installing company **LIABLE** for any accident that might occur.

Clean the area well and apply the decal by removing the upper portion of the backing and rolling the decal onto the door. Check to confirm the decal is straight. Use a flat edged soft spreader to smooth out the decal. Remove the lower backing from the decal and smooth out any air pockets.

Low Energy Sticker Placement



The sticker height should be between 54" [1346 mm] and 63" [1600 mm], above the finished floor. See ANSI standard 156.19 requirements for additional safety decal information.