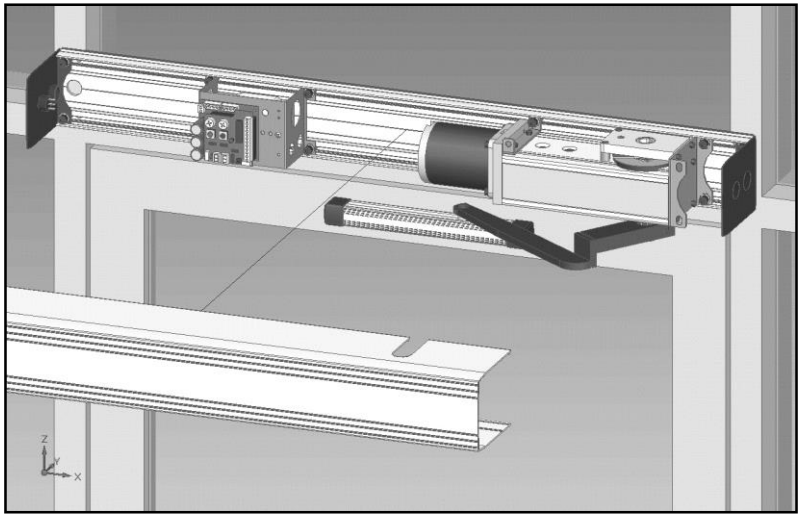
Ditec HA8-LP
Low-Energy Swing Door Operator

Mechanical Setup
Quick Start Guide



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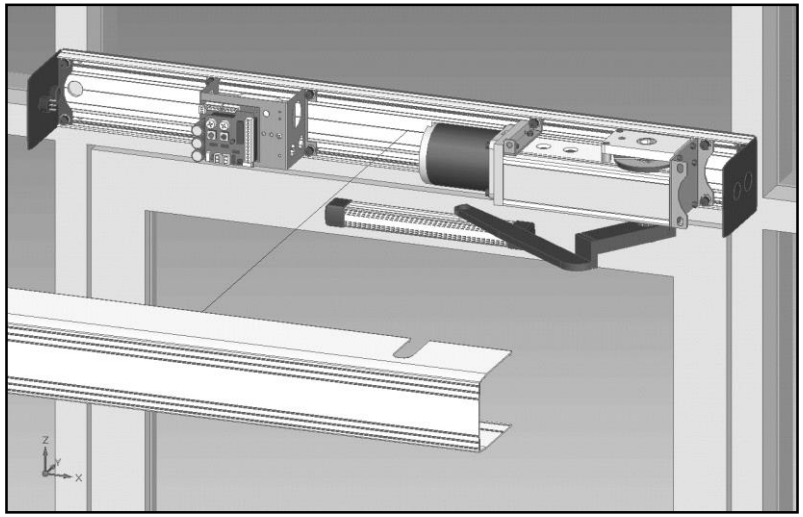

Recommended Tools			
Item No.	**Description**	**Item No.**	**Description**
1	Allen Wrench Set	6	Flat Screwdriver, Philip Screwdriver, 5/16” Hex. Nut Driver
2	Power Drill and Drill Bits	7	Additional Fasteners Depending on Surface
3	Level	8	Shims
4	Tape Measure	9	Hand Saw/Power Saw
5	Wire Stripper		

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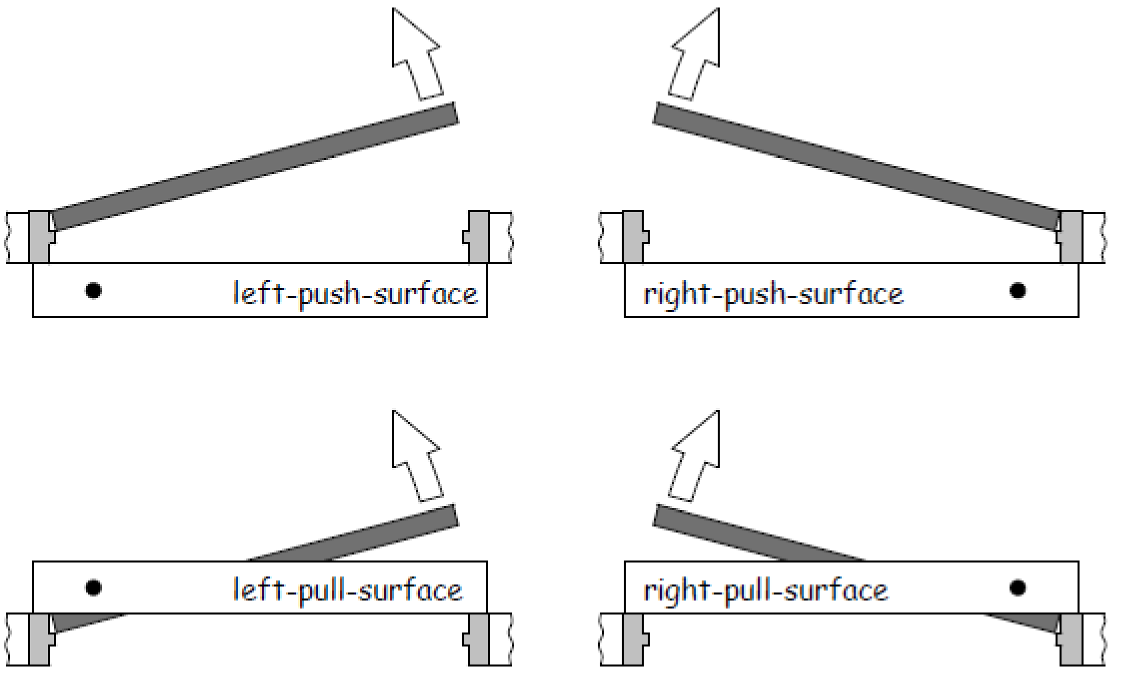
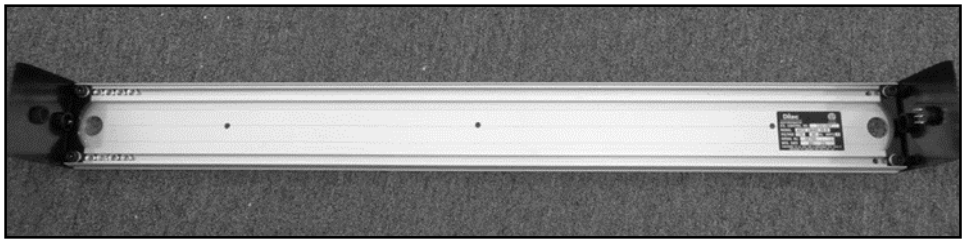
Handing Chart



Installation of the Back Plate

Step 1) Remove motor/ gear box and controller from back plate



Step 2) Position Back Plate above door and onto the frame.

Notes:

- vertical position
  - push arm application - flush with bottom of frame.
  - pull application - 1.375" above bottom of frame *(enough to clear spindle and safety screw)*.
- horizontal position
  - centered on door frame, assuming back plate length = door width + 3"

Step 3) Drill center mount hole to hang back plate

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Installation of the Back Plate

Step 4) Ensure Back Plate is positioned level and complete the fastening to frame and wall. See Figure 4


Figure 4

Step 5) Fasten Back plate to door jamb and wall using three fasteners per side as shown in figure 5

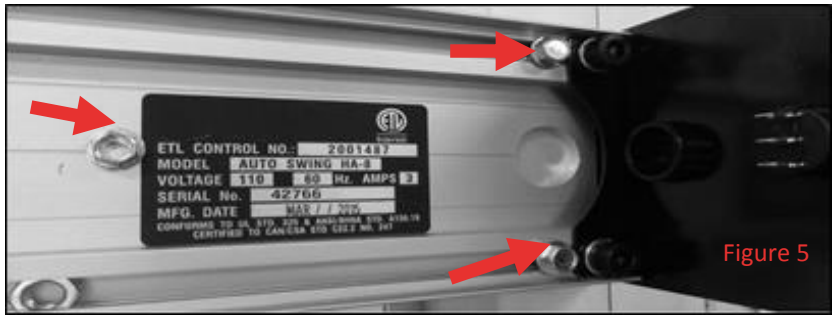

Figure 5

Step 6) Shims provided by installer shown and placed behind back plate. See figure 6

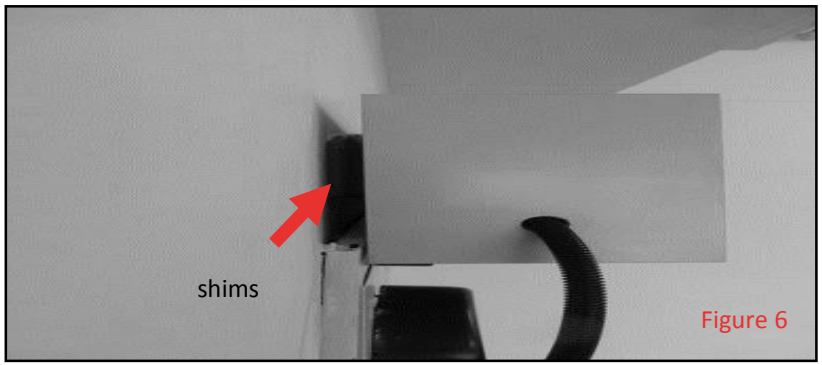

Figure 6

NOTE:

- entire back plate must be flush with frame and or wall
- Minimum 6 Fasteners, using shims as required to prevent twisting of back plate

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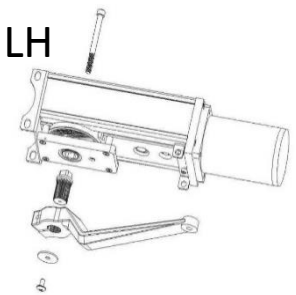
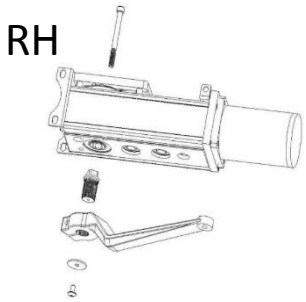
Installation of Power and Motor/Gearbox

Step 7) Use the pre drilled holes in the back plate to locate and pull the 120vac building power supply through.

Step 8) Attach supplied Splined spindle to gear box. Use ¼-20 socket screw to fasten spindle to output shaft. *(Note Handing Chart)*





Step 9) Re-attach the motor and gearbox back to the back plate.

(Note output shaft must be aligned with cut out in the cover)

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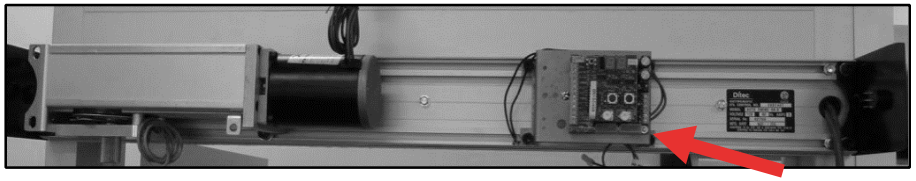
Installation of Control Board

Step 10) Position the control board on to the back plate and fasten using the provided four screws.



Control Board

Step 11) With power off, connect the building power to the control board using two wire nuts to secure

Step 12) Next connect the motor wires to the control board and the reed switch cable. See Figure 11

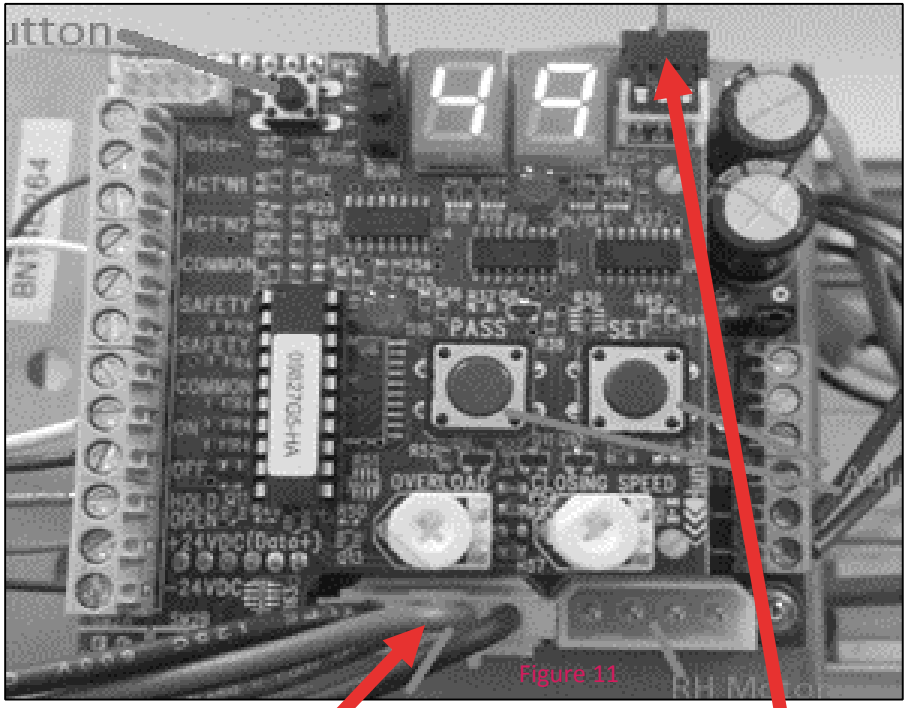


Figure 11

Motor Connection

Reed Switch Connection

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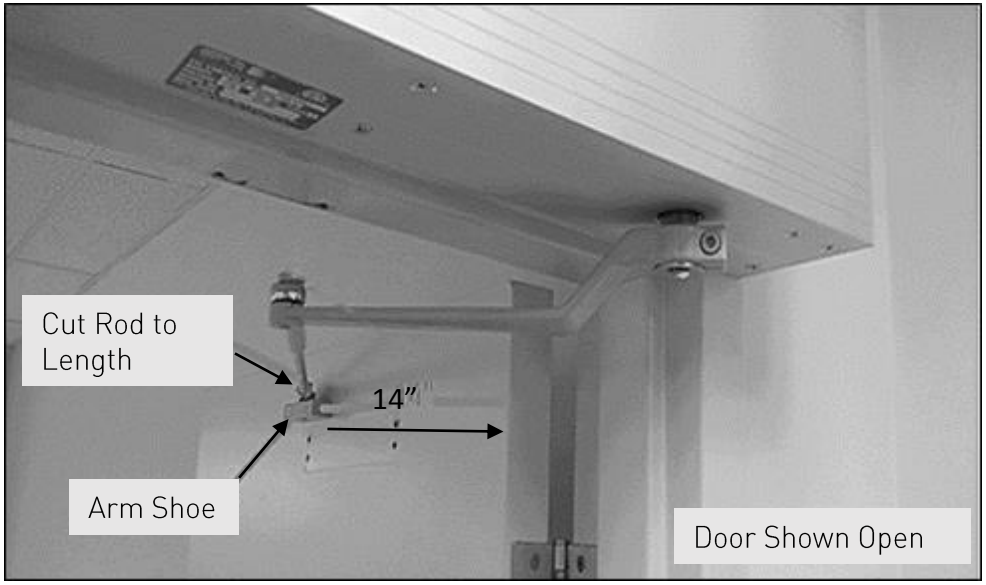
Installation of Push Arm

Step 13) Open door to desired opening degree

Step 14) With door open measure over from edge of door 14" and arm parallel to bottom of jamb, mark Shoe holes onto door. This is where the arm shoe will be located on the door.

Step 15) With door still open, also measure and cut excess rod length.



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Installation of Push Arm

Step 16) Setting Pre-load

1. Remove Arm from output shaft
2. Toggle hold open button on end cap
3. Verify that pinion output shaft turns in the right direction
4. When spindle stops, open the door and connect main arm to spindle output shaft and tighten
5. Turn hold open off
6. Door should close and latch the door

Note:
Inspect that arm is not binding or rubbing on door.
Keep ARMS level during installation.
External door or floor stop is required.
Do not use ARM as door stop.

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Installation of Pull Arm

Step 17) Pull Arm

1. Toggle hold open button on end cap
2. Verify that pinion output shaft turns in the right direction
3. When spindle stops, open the door and connect main arm to spindle output shaft and tighten. Mark Spot where Roller touched the door. See Figure 12
4. Turn hold open off and Close door. Mark where roller touches the door
5. Center track on the two marks. See Figure 12a
6. Keep track level when mounting to the door.

Note:
Inspect that arm is not binding or rubbing on door.
Keep TRACK Level during mounting.
External door or floor stop is required.
Do not use track as door stop.

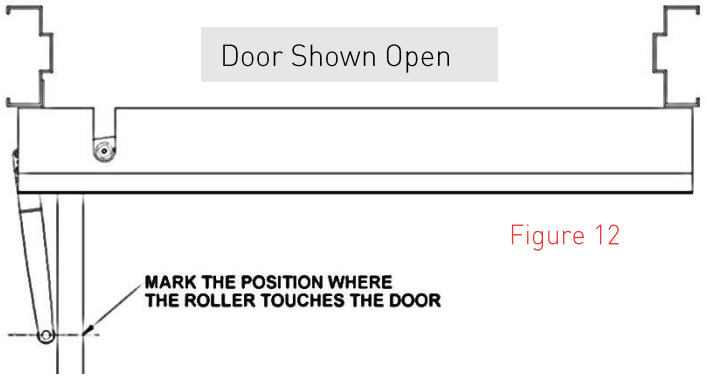
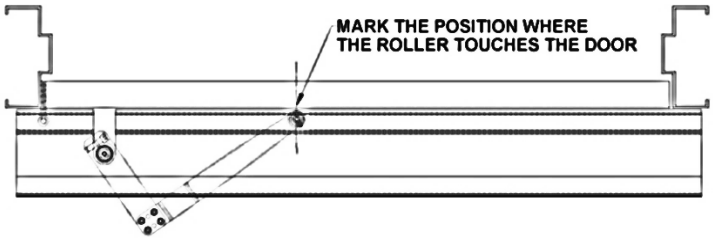
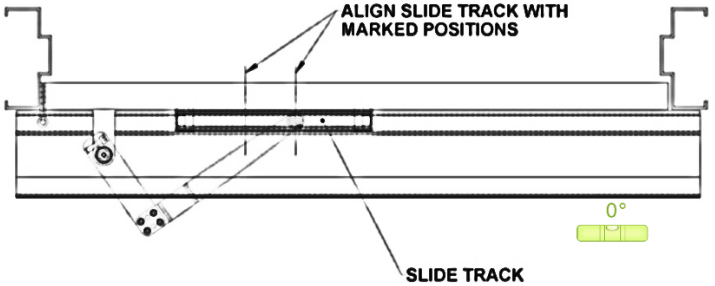


Figure 12





Door Shown Closed

Figure 12a

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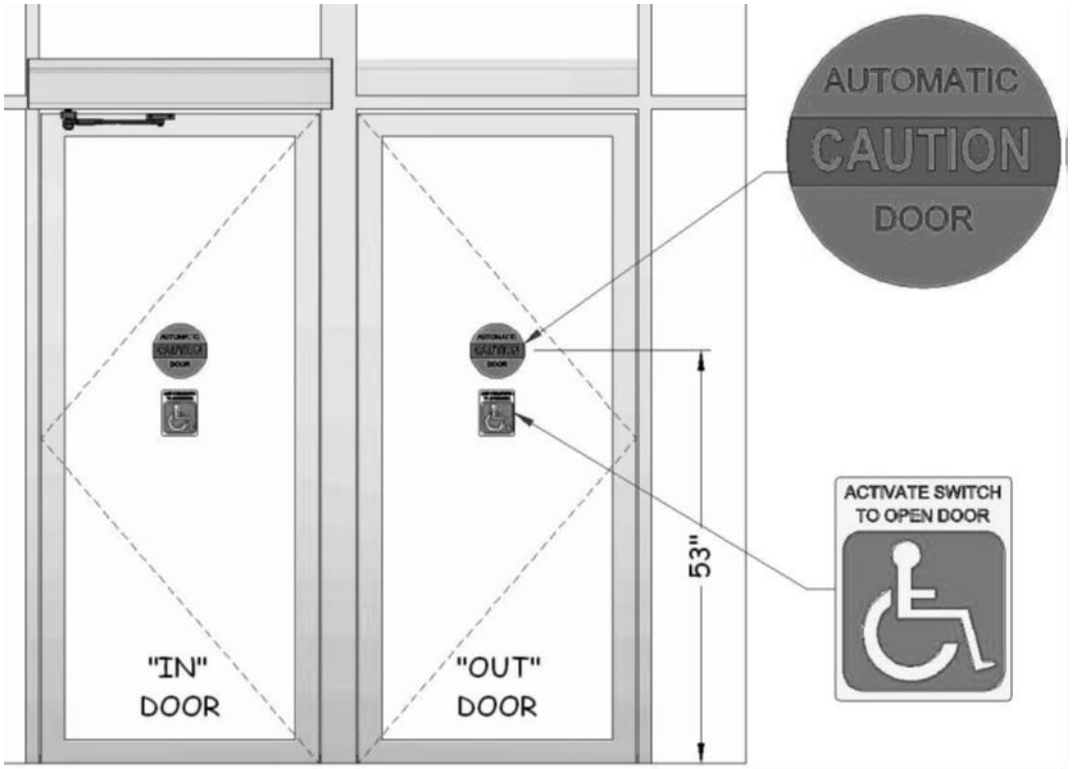
Signage



Install all safety, traffic control, and instruction decals to the door as required. This is very important. Failure to do this leaves the installer LIABLE for any accident that might occur. This must be done!

A summary of the ANSI standard 156.19 requirements for safety decals is as follows:

Each decal shall be mounted on the door at a height of 58 ± 5" (1470 ± 130 mm) from the floor to the centre line of the sign. The sign chosen will depend on the classification of the door operator.

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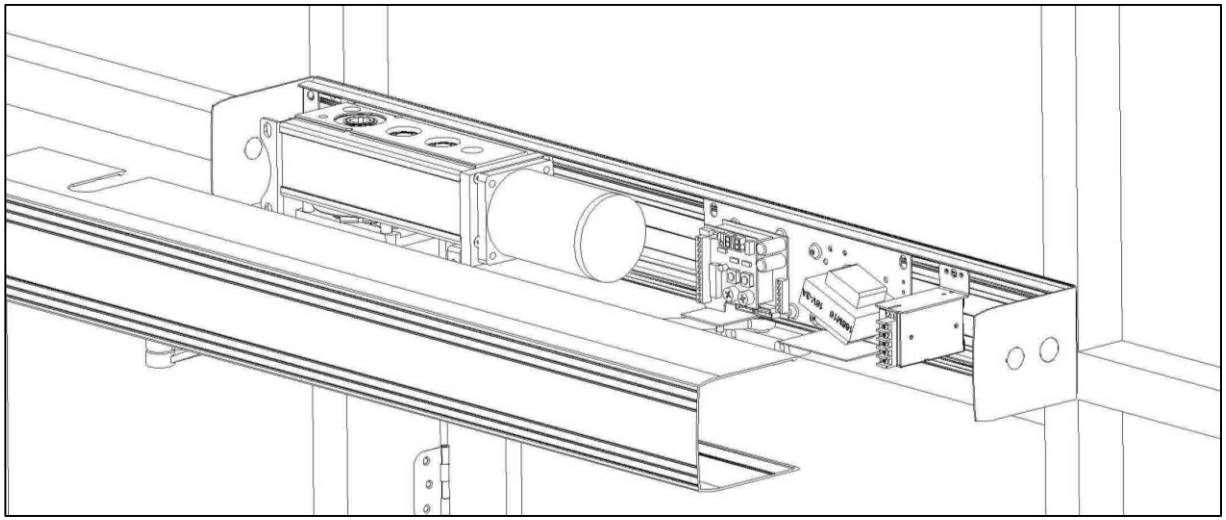
Mechanical Installation Complete



Next Step - See Control Board Setup

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