Parts List:
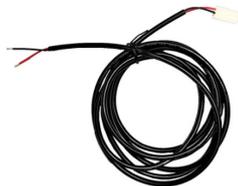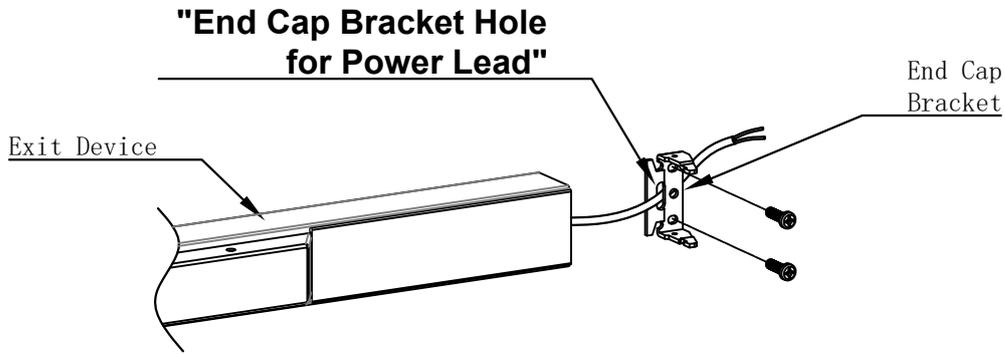
- 8' Lead X 1

Steps:

1 Install the exit device in accordance with the standard exit device installation instructions. Before mounting the end cap bracket, ensure a Ø3/8″ (Ø9.5 mm) hole is drilled at the bracket mounting location on the door to allow passage of the power lead.
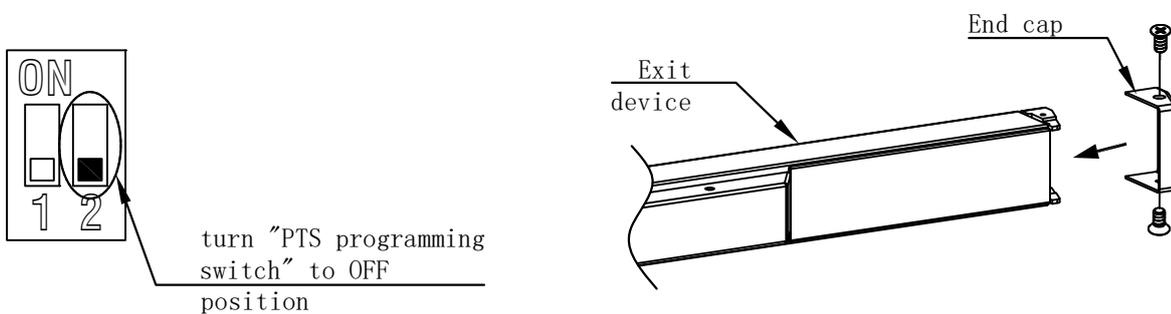
"End Cap Bracket Hole for Power Lead"

Exit Device

End Cap Bracket

2 Connect the 8' lead to the Female Connector of exit device.
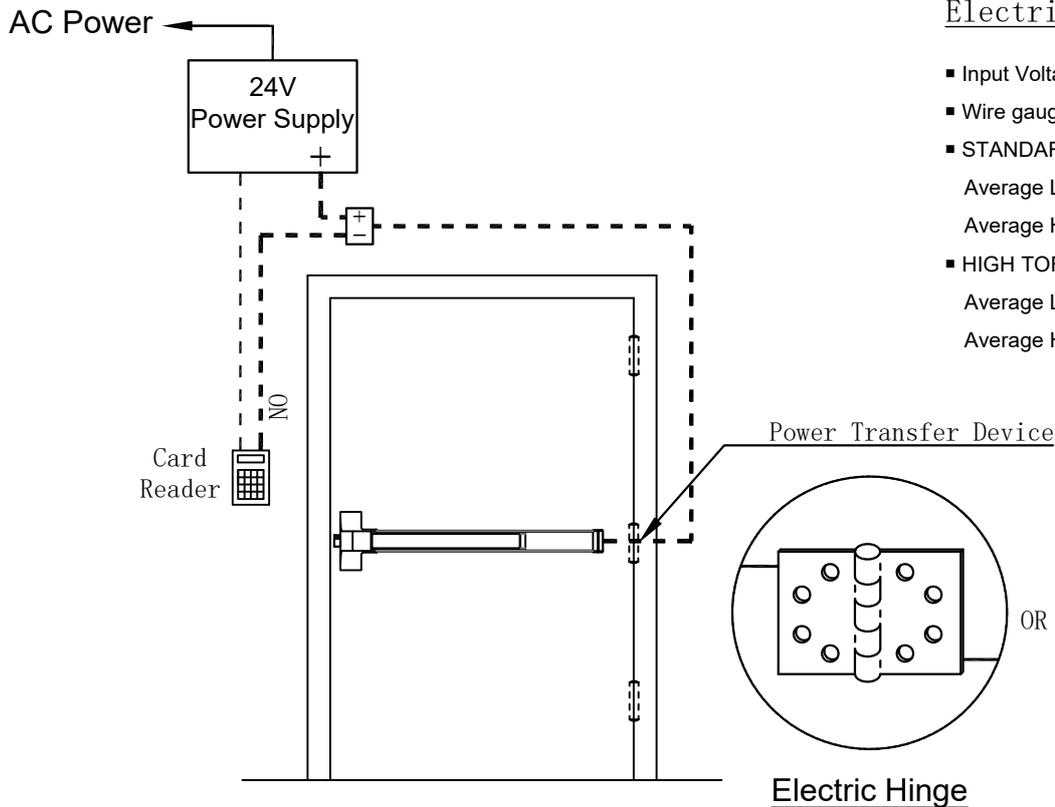
8' Lead

Female Connector
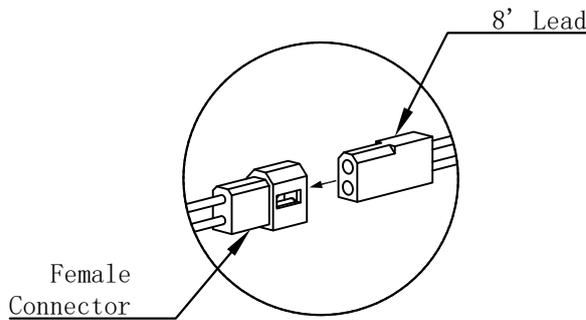
3 Apply power and verify that the Electric Latch Retraction function operates properly and that the door opens and closes freely. Then proceed to the next step. If the latch bolt does not retract sufficiently (RIM device, as shown in Fig. 1), refer to the "Setting PTS" section to reset.

rim strike

Fig 1.

latch bolt does not retract enough
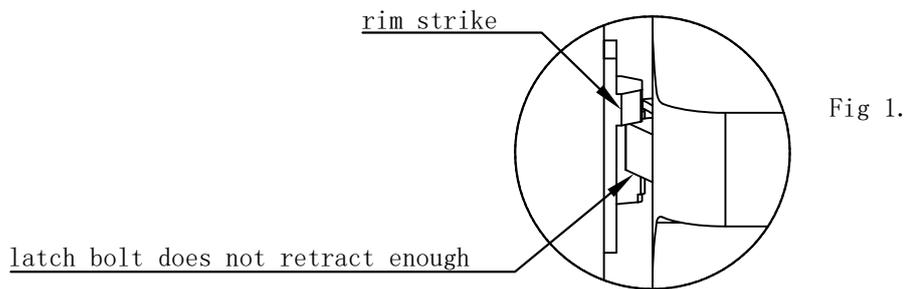
4 Switch off the power. Verify that the PTS programming switch is set to the OFF position, then install the end cap.

ON

1 2

turn "PTS programming switch" to OFF position

End cap

Exit device

Installation Example (Typical Single Door Application)

AC Power

24V
Power Supply
+

NO

Card
Reader

Power Transfer Device

OR

Electric Hinge

Electric Power Transfer

Electrical Specifications

- Input Voltage : 24 VDC +/-10%
- Wire gauge : Minimum 18 gauge
- STANDARD TORQUE MODE:
  Average Latch Retraction Current: 900mA
  Average Holding Current: 200mA
- HIGH TORQUE MODE:
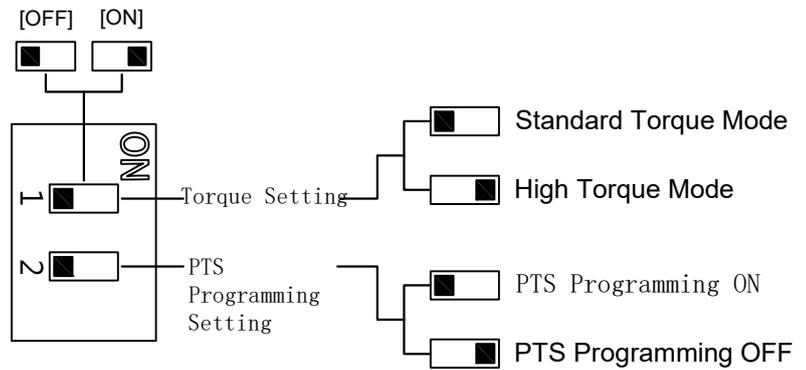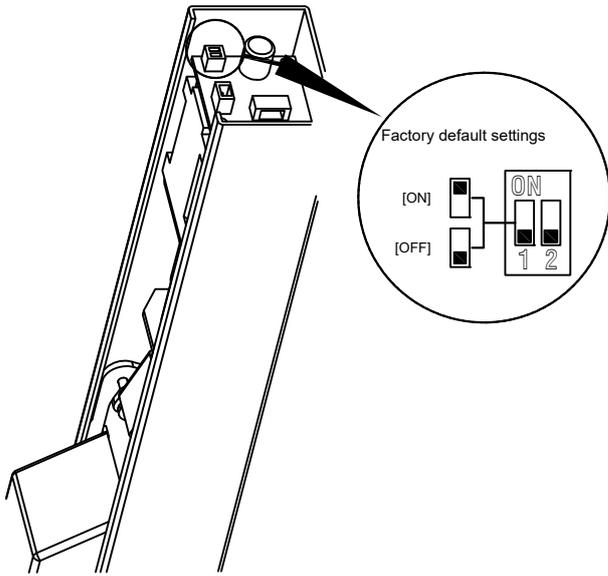 Average Latch Retraction Current: 2A
  Average Holding Current: 260mA

Additional Functions (Please consult to factory)

- **LM (Latch Bolt Monitor)**
- **DM (Dead Bolt Monitor)**
- **RX (Request to Exit) Switch**

- **Card reader to unlock the device**
  (Includes face recognition, fingerprint, password, ... etc.)
- **Remote control unlocking**
- Sensor to unlock the device
- **Automatic door operator**
  (After the device unlocked, the door can be opened automatically)
- **Standard trim and electrified trim**
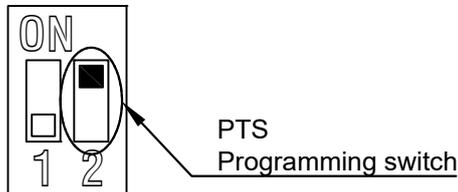
Troubleshooting & Diagnostics

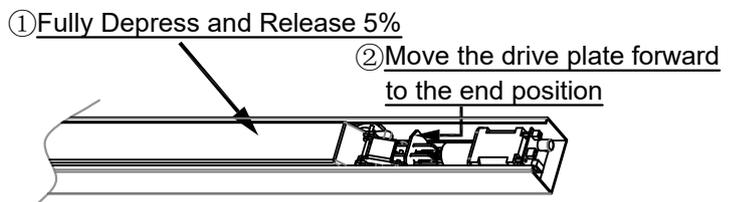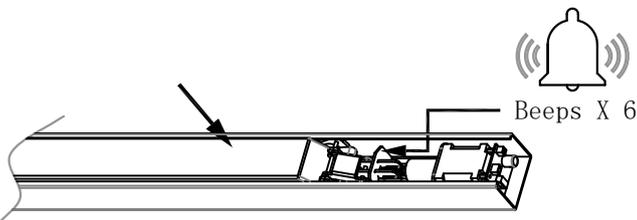| Beeps	Explanation	Solution
2 Beeps	Over Voltage	>30V ➡ Device will shut down. Check voltage & adjust to 24V.
3 Beeps	Under Voltage	<20V ➡ Device will shut down. Check voltage & adjust to 24V.
4 Beeps	Failed Sensor	Verify all sensor wires are installed correctly. Contact distributor if problem persists.
5 Beeps	Retraction or dogging failure	After 1st fail: 5 beeps then immediately attempts to retract again. After 2nd fail: 5 beeps with pause in-between for 30 seconds then device attempts to retract again. After 3rd fail: 5 beeps every 7 minutes, device will not attempt to retract. ➡ To Reset: Depress bar for 5 seconds at any time.
6 Beeps	PUSH TO SET	Device is recording its new position and power mode after the 6th beep.

Factory Setting

Factory default settings

[ON]

[OFF]

ON
1 2

[OFF]   [ON]

ON

1 — Torque Setting

Standard Torque Mode

High Torque Mode

2 — PTS Programming Setting

PTS Programming ON

PTS Programming OFF

Setting PTS

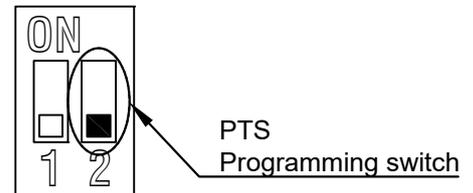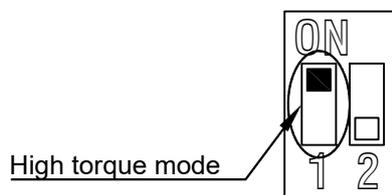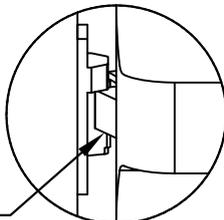|	
1 Turn the programming switch "2" (as figure shown) to "ON" position. ON 1 2 PTS Programming switch	**2** Fully depress the push bar and move the drive plate forward to the end position (as shown in the figure). Then, release approximately 5% of the push bar and ensure the drive plate moves backward by the same amount. ①Fully Depress and Release 5% ②Move the drive plate forward to the end position
3 While depressing the push bar, apply power. (i.e. presenting the credential to the reader) Continue to keep the bar depressed, the device will beep 6 times. After the beeps have stopped, release the bar and the adjustment is now complete. Beeps X 6	**4** Power up the device again and make sure the latch retraction can allow door to be opened freely. Turn the programming swtich "2" to "OFF" position. ON 1 2 PTS Programming switch
5 If the latch can not retract enough to allow door opening freely, repeat the steps (1)~(4). Latch bolt does not retract enough	**⁜** If the latch still not to your liking, change to high torque mode (turn switch "1" to ON position), repeat the steps (1) ~ (5). ON 1 2 High torque mode Proceed only if shipped in standard torque mode.