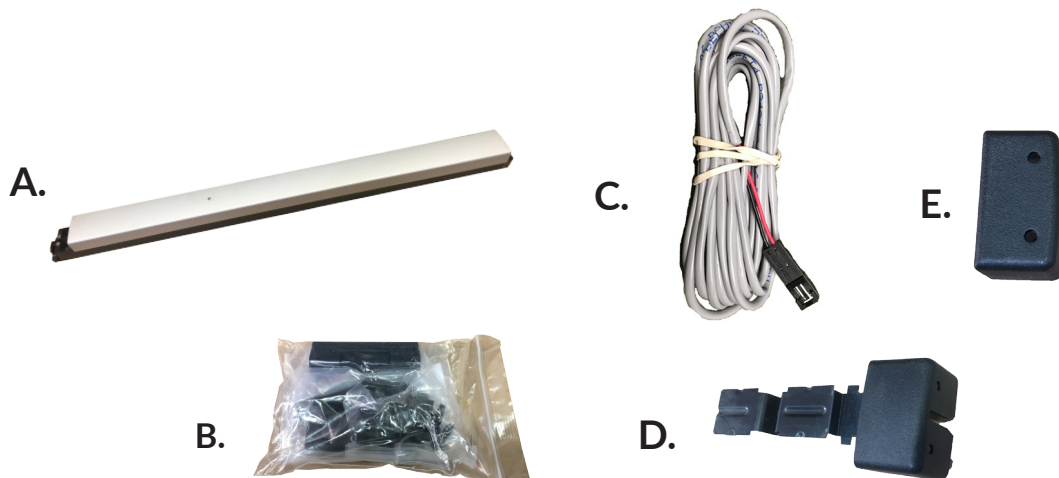


# PD18-M-RIM

## *INSTALLATION INSTRUCTIONS*

The PD18-M-RIM is a storefront grade 1 exit device equipped with motor-driven latch retraction. Retrofits Adams Rite 8800 series.



---

### PD18-M-RIM Includes

- A. RIM Exit Device
- B. Hardware pack
- C. 8' Power Lead
- D. Lock Stile End Cap pack
- E. Hinge Stile End Cap pack

### Tools Required

- Cordless Drill
- Needle Nose Pliers
- Measuring Tape
- 1/8 Drill Bit
- 1/4 Drill Bit
- #25 Drill Bit

## SPECIFICATIONS

- Input Voltage: 24VDC +/- 10%
- Wire gauge: Minimum 18 gauge
- Direct wire run - no relays or access control units in-between power supply & module

### Standard Torque Mode- SHIPS STANDARD

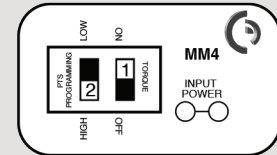
- Average Latch Retraction Current: 1 A
- Average Holding Current: 180 mA

### High Torque Mode

- Average Latch Retraction Current: 2 Amp
- Average Holding Current: 250 mA

### MM4 SWITCHES

1	SWITCH	PROGRAM
ON	-	Standard Torque
OFF	-	High Torque
-	ON	PTS programming ON
-	OFF	PTS programming locked



## SETTING PTS

**\*\* Important Info \*\***

**Make sure to set PTS before finishing installation!**



- Step 1** Select your preferred torque mode (ships in standard torque) Press the device push pad to the desired setting. (Recommend to fully depress and release 5%, giving the device a little room for changing door conditions.)
- Step 2** While depressing the push pad, apply power. (i.e. presenting the credential to the reader).
- Step 3** Continue to keep pad depressed, the device will beep 6 times. After the beeps have stopped, release the pad and now the adjustment is complete. If not to your liking repeat the three steps. That's all there is to it.
- Step 4** Once you found the correct location switch the dip switch to lock PTS & Torque programming.

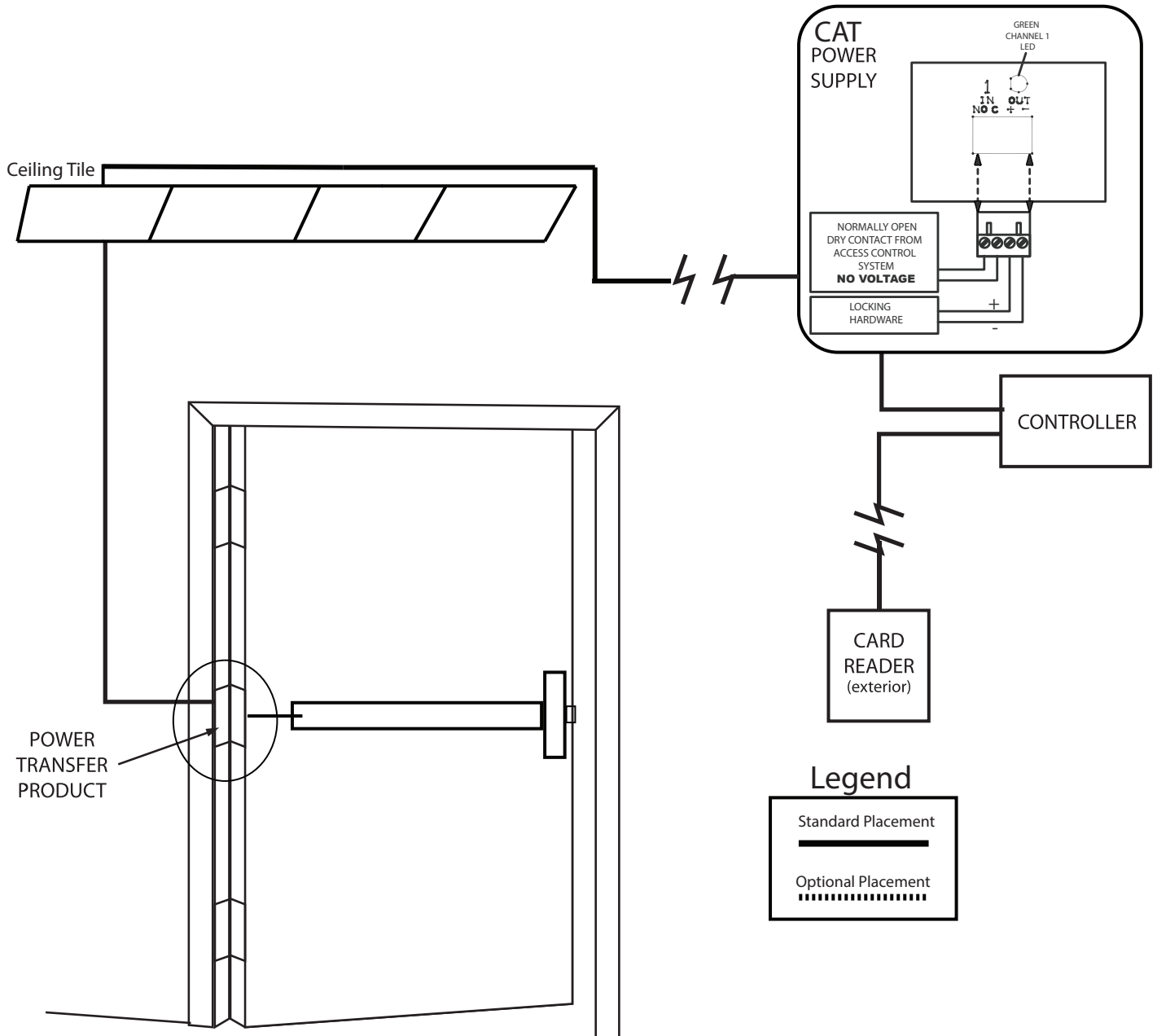
## TROUBLESHOOTING & DIAGNOSTICS

BEEPS	EXPLANATION	SOLUTION
2 Beeps	Over Voltage	> 28.0V unit will shut down. Check voltage & adjust to 24 V.
3 Beeps	Under Voltage	< 22V unit will shut down. Check voltage & adjust to 24 V.
4 Beeps	Failed Sensor	Verify all 3 sensor wires are soldered on circuit board and plug into MM4 module. If loose wire is found, please contact our office.
5 Beeps	Retraction or Dogging failure	Device physically binding during retraction or pulled from the dogged position. 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 it's new position and power mode after the 6th beep.

# ELECTRIFIED EXIT DEVICE



## INSTALLATION EXAMPLE



### RECOMMENDED POWER SUPPLIES:

All Command Access exit devices & field installable kits have been thoroughly cycle tested with Command Access power supplies at our factory.

- PS210
- PS480B
- PS5-4
- PS220/220B
- PS1
- PS204/204B
- PS440B
- PS2/2B

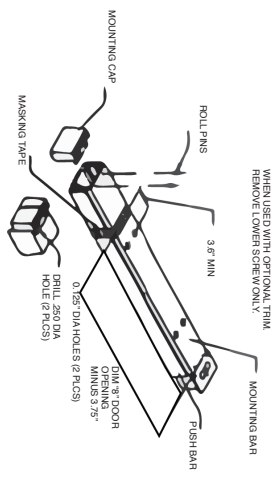


For more information [click here](#) or go to our website

DOOR SIZE	30"	36"	42"	48"
DIA	26.88	32.88	38.88	44.88

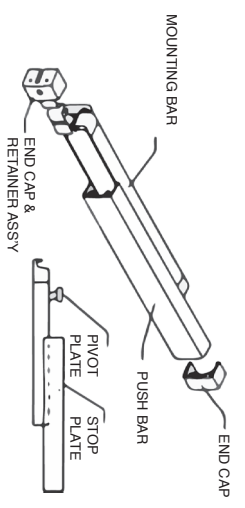
**CUT-OFF INSTRUCTIONS FOR NON STANDARD DOORS**

1. DRIVE OUT TWO ROLL PINS
2. REMOVE MOUNTING CAP
3. COLLAPSE BAR AND TAPE DOWN IN THE AREA OF CUT-OFF
4. DETERMINE EXTRUSION LENGTH (8" DIM) DIMENSIONS FROM RIVET
5. CENTERLINE TO NEW CUT-OFF LENGTH
6. MEASURE MOUNTING BAR (NOT PUSH BAR) AND MARK EXTRUSION LENGTH ON TAPE
7. SAW OFF EXCESS LENGTH, REMOVE TAPE AND DEBURR LAY MOUNTING CAP OVER MOUNTING BAR AND USE AS GUIDE TO DRILL TWO 1/8" DIAMETER HOLES.
8. REINSTALL MOUNTING CAP INTO MOUNTING BAR AND DRIVE TWO ROLL PINS INTO HOLES.



**SEPARATING PUSH BAR AND MOUNTING BAR PROCEDURE**

1. REMOVE BOTH END CAPS. THE RETAINER IS ATTACHED TO THE NOSE CAP.
2. SLIDE PUSH BAR TOWARD HINGE SIDE OF DOOR.
3. CONTINUE TO SLIDE THE PUSH BAR PAST THE PIVOT PLATE THAT RIDES IN PUSH BAR TRACK.
4. SLIDE PUSH BAR IN OPPOSITE DIRECTION KEEPING PIVOT PLATE OUT OF TRACK UNTIL PUSH BAR IS FREE OF MOUNTING PLATE.



**INSTALLING PUSH BAR TO MOUNTING BAR**

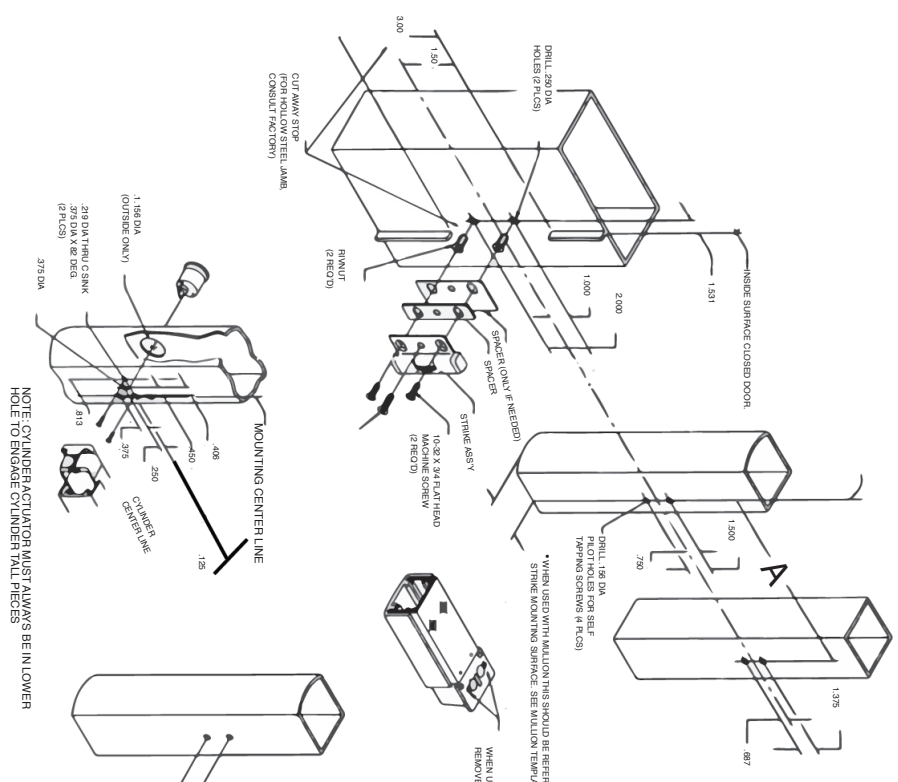
1. WITH PUSH BAR IN HAND AND MOUNTING BAR ATTACHED TO DOOR, FIND STOP PLATE STAKED INTO PUSH BAR (THIS PLATE IS ON THE LATCH END OF ASSEMBLED UNIT). SLIDE THE PIVOT PLATE NEAREST HINGE INTO TRACK OF PUSH BAR UNTIL SECOND PIVOT PLATE IS EXPOSED. INSERT PIVOT PLATE INTO TRACK ON PUSH BAR AND SLIDE IN OPPOSITE DIRECTION UNTIL PUSH BAR AND MOUNTING BAR ALIGN.

**RIM PREPARATION**

Installation Template

All prep is shown on interior side of the door, except where noted. Right hand door shown. (LHR)

**NOTE** - These dimensions and templates assume a door of 1 3/4". For doors of other thickness, please consult factory.

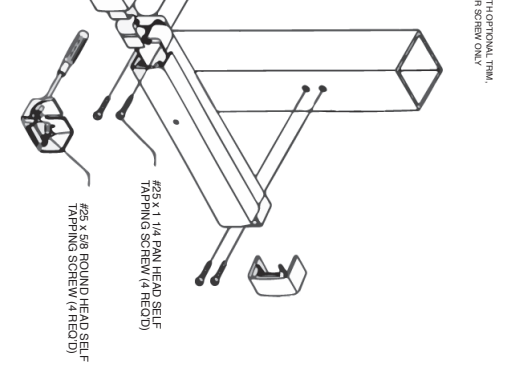


**METRIC EQUIVALENTS**

INCHES	MM	INCHES	MM	INCHES	MM
1.25	31.77	1.375	34.93	3/8	9.1440
2 1/8	53.98	1.500	38.10	3/8	9.5250
2.50	63.50	1.531	38.89	4/2	10.6680
3/2	93.83	2.000	50.80	4/8	11.9375
4/8	10.31	3.00	76.20	4/8	12.1920
6/8	17.45	3/8	9.144	1/16	1.59
7/8	19.05	4.125	104.78	3/16	4.75
8/13	20.65	2.888	68.275	5/8	15.88
1.000	25.40	3.0	76.20	1 1/8	28.58
1.156	29.36	3.288	83.515		

**INSTALL INSTRUCTIONS**

1. CRIMP ALL RIVNUTS IN STILE AND JAMB ACCORDING TO INSTRUCTIONS WITH RIVNUT TOOL. **SKIP STEPS 2 AND 3 IF CYLINDER IS NOT USED.**
2. INSTALL CYLINDER, USING SCREWS SUPPLIED WITH CYLINDER.
3. INSTALL MOUNTING BAR (IF CYLINDER IS USED, BE SURE THAT TAILPIECE PROTRUDES 3/16 INCH TO ENGLY).
4. INSTALL PUSH BAR TO MOUNTING BAR.
5. INSTALL END CAPS.
6. INSTALL STRIKE AND STRIKE PLUG. USE ENOUGH SPACERS SO THAT STRIKE CLEARS CAP BY 1/16"



# STRIKE PREPARATION AND INSTALLATION



## INSTRUCTIONS

