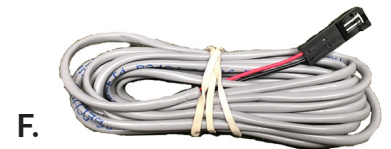
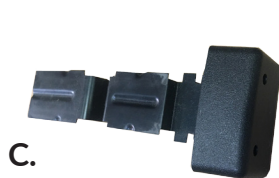


PD18-M-CVR

INSTALLATION INSTRUCTIONS

The PD18-M-CVR is a storefront grade 1 exit device equipped with motor driven latch retraction.

Retrofits Adams Rite 8600 series.



PD18-M-CVR Includes

- A. CVR Device
- B. CVR Rods
- C. Head Cover End Cap
- D. Hinge Stile End Cap
- E. CVR Strike Pack
- F. 8' Power Lead

Tools Required

- Cordless Drill
- Needle nose Pliers
- Measuring Tape
- 3/4" Drill Bit
- 5/32 Drill Bit
- Counter Sink Bit
- 1 1/4" Hole Saw

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

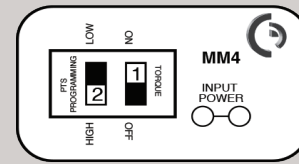
- Average Latch Retraction Current: 1 A
- Average Holding Current: 180 mA

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!



PTS Video
Click or Scan

- 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.

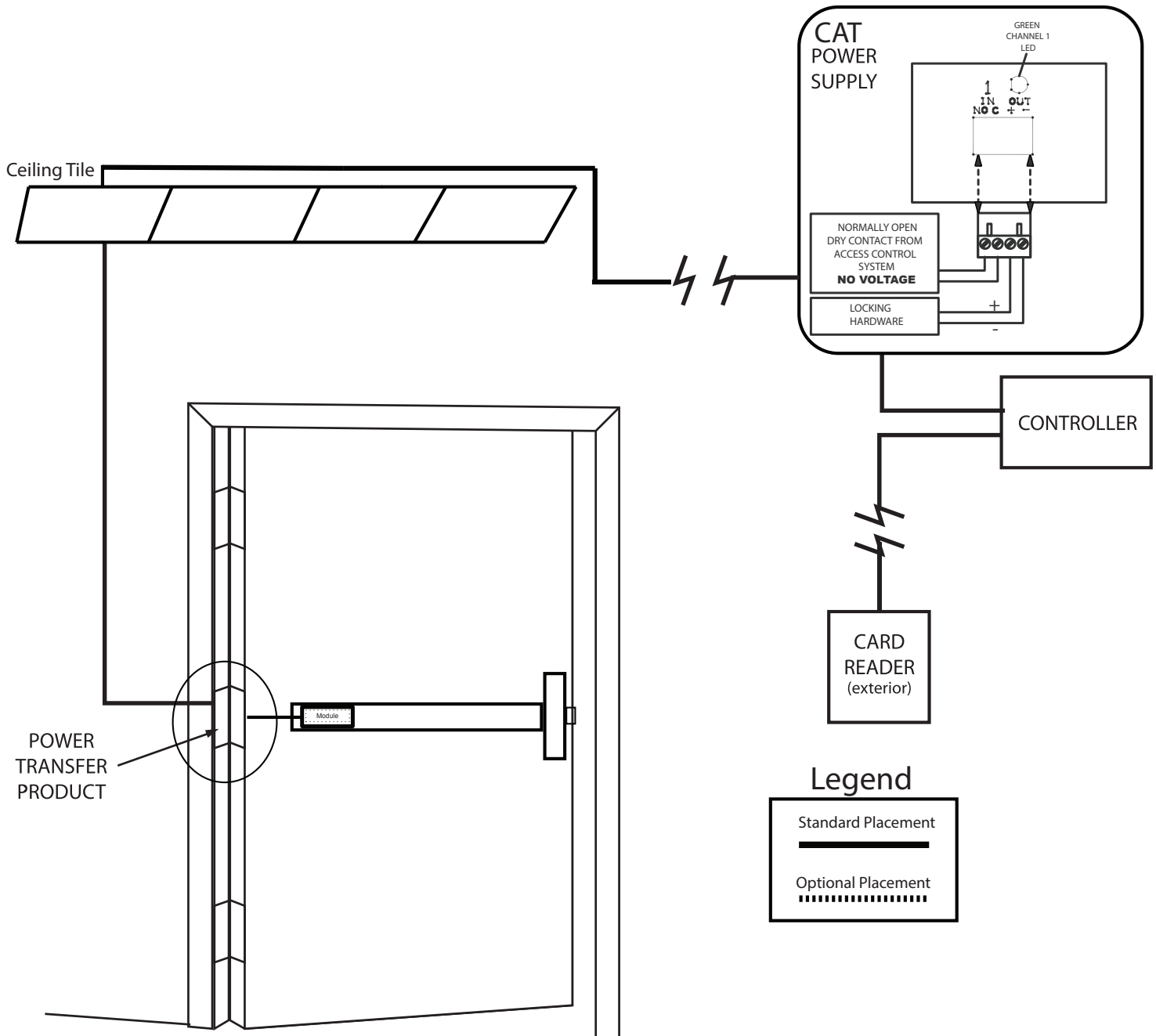
TROUBLESHOOTING & DIAGNOSTICS

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:

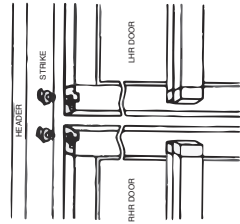
All Command Access exit devices & field installable kits have been thoroughly cycle tested with Command Access power supplies at our factory.

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



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

INSTALLATION INSTRUCTION CHECKLIST

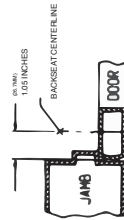


IMPORTANT

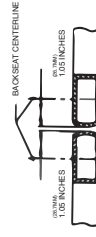
THIS KIT IS DESIGNED TO WORK WITH THE FOLLOWING DOOR TYPES: RHR DOOR, LHR DOOR, AND STRIKE DOOR. THE DOORS LEAD STYLE AND PREPARATION ARE IDENTICAL. NOT MIRROR IMAGE. THE STRIKE POST IS TOWARD THE RIGHT OF THE BACKSET CENTERLINE FOR BOTH DOORS.

NOTE: STEPS 1-4 ARE MORE EASILY ACCOMPLISHED IF DOOR IS INSTALLED ON FRAME.

HOW TO FIND BACKSET



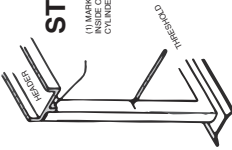
SINGLE DOOR



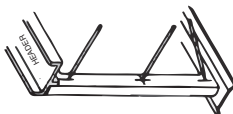
BEVEL STYLE AND FLAT STYLE APPLY TO SINGLE DOOR ONLY

STEP 1

(1) MARK BACKSET CENTERLINE AT TOP BAR HEIGHT ON INSIDE OF DOOR STYLE. IF CYLINDER WILL BE FITTED, CYLINDER WILL BE FITTED.

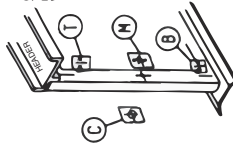


(2) MARK BACKSET CENTERLINE AT TOP BAR HEIGHT ON OUTSIDE BAR HEIGHT IF CYLINDER WILL BE FITTED.



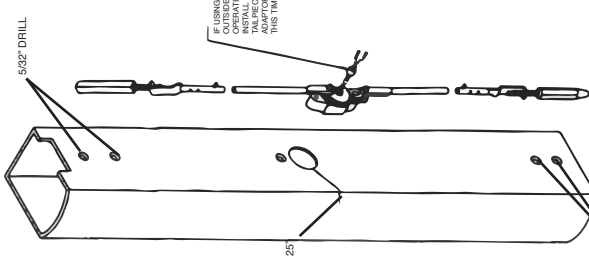
STEP 2

(3) PERFORM BACKSET ON NOTCH DRILLING AND COUNTER SINK WHERE SHOWN.



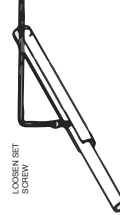
STEP 3

LAY ROD MECHANISM ON PREFERRED DOOR WITH GEAR PLATES OUTWARD AND CASTING RESTING IN 1.14. (SEE DRAWING FOR SIZE)



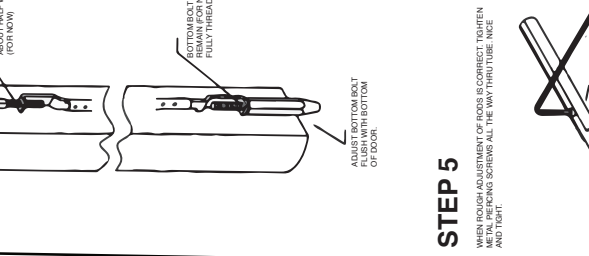
STEP 4

ADJUST RODS TO APPROXIMATE LENGTH (ROUGH ADJUSTMENT FOR NOW)



STEP 5

WHEN ROUGH ADJUSTMENT OF RODS IS CORRECT TO OBTAIN FLUSH WITH BOTTOM AND TIGHT.



STEP 6

USE 9/16" PIP BUSHING TO SECURE WITH SCREW.



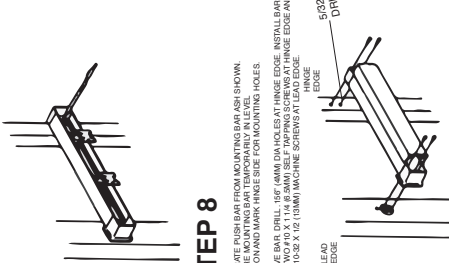
STEP 7

INSTALL CYLINDER KIT IF FITTED



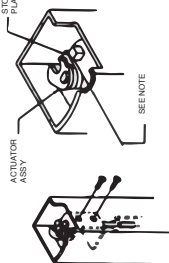
STEP 8

REMOVE PUSH BAR FROM MOUNTING BAR AS SHOWN. POSITION AND MARK HINGE SIDE FOR MOUNTING HOLES. REMOVE BAR DRILL 1/8" DIA HOLES AT HINGE EDGE. INSTALL BAR WITH TWO #10 X 1 1/4" (32MM) SELF TAPPING SCREWS AT HINGE EDGE AND TWO #10 X 1 1/4" (32MM) MACHINE SCREWS AT LEAD EDGE.



STEP 9

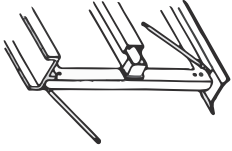
INSTALL ON DOOR. ACTUATOR ASSEMBLY AND SECURE WITH TWO SCREWS WITH METAL PIPING SCREWS AS SHOWN. FOR FINE ADJUSTMENTS REMOVE ACTUATOR ASSEMBLY, ADJUST ROD UP OR DOWN AND REINSTALL ASSEMBLY.



NOTE: SQUARE BOLT MUST BE FLUSH WITH TOP OF STOP PLATE

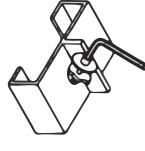
STEP 10

INSTALL DOOR FRAME. MARK BACKSET CENTERLINE ON HEADER AND THRESHOLD. ALSO MARK WHERE FACE OF CLOSED DOOR RESTS. APPLY CLEAR TEMPLATES AND DRILL STRIKE HOLES.



STEP 11

POSITION STRIKE PLATE ASSEMBLY ON HEADER, THEN TIGHTEN SECURELY WITH HEX WRENCH.



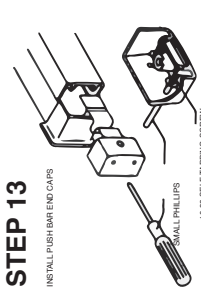
STEP 12

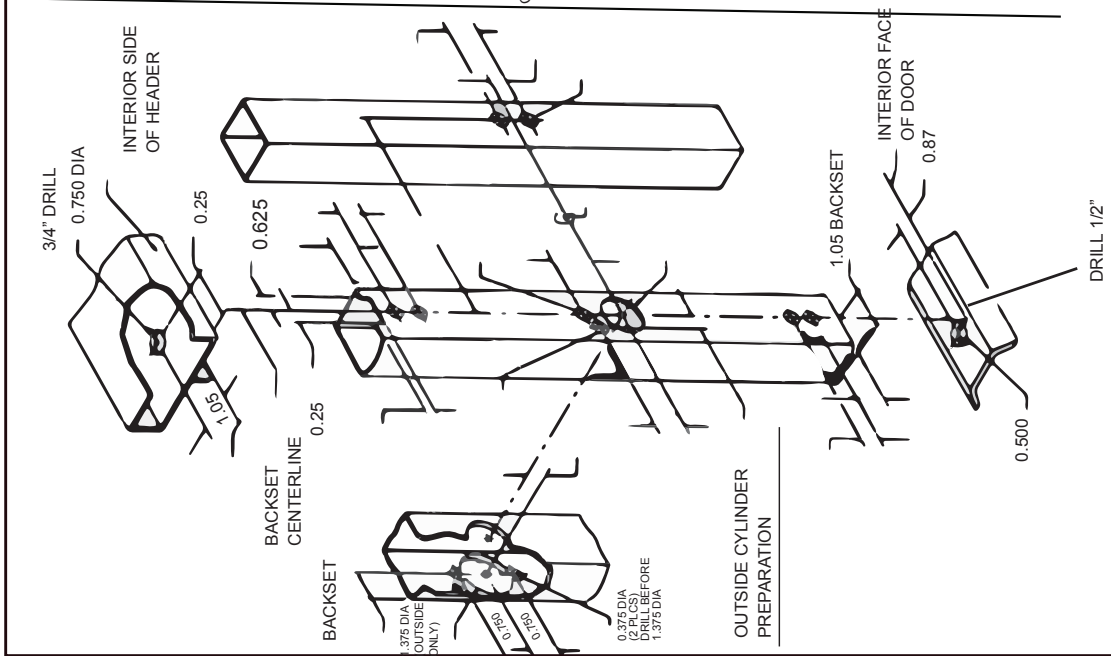
(1) HOLD DOOR OPEN
(2) DEPRESS AND RELEASE PUSH BAR
(3) DO NOT FORGET TO CLEAR THRESHOLD BY 1/8"
(4) INSTALL BOTTOM GUIDE AND SECURE WITH TWO SCREWS



STEP 13

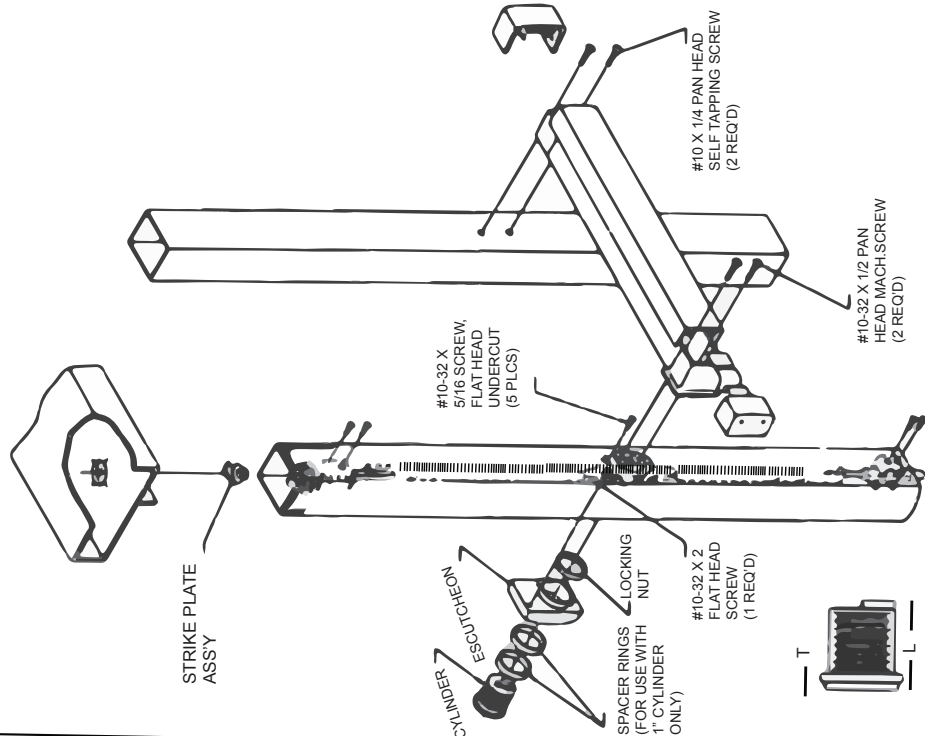
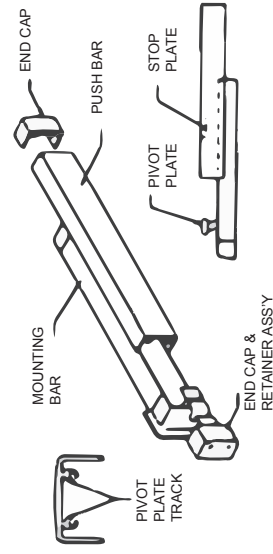
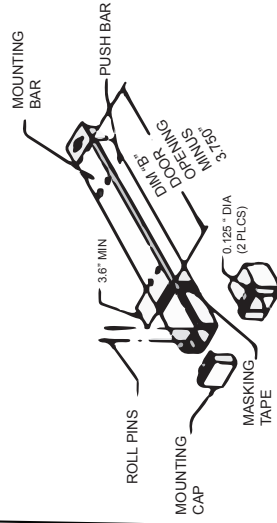
INSTALL PUSH BAR END CAPS





INSTALLING PUSH BAR TO MOUNTING BAR

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 ALIGN.



NOTE: SPACER THICKNESS
 "T" = LENGTH MINUS 7/8"
 T=L - 7/8"