

# MLRK1-AR



**BHMA**  
CERTIFIED

**NO HASSLE**  
WARRANTY



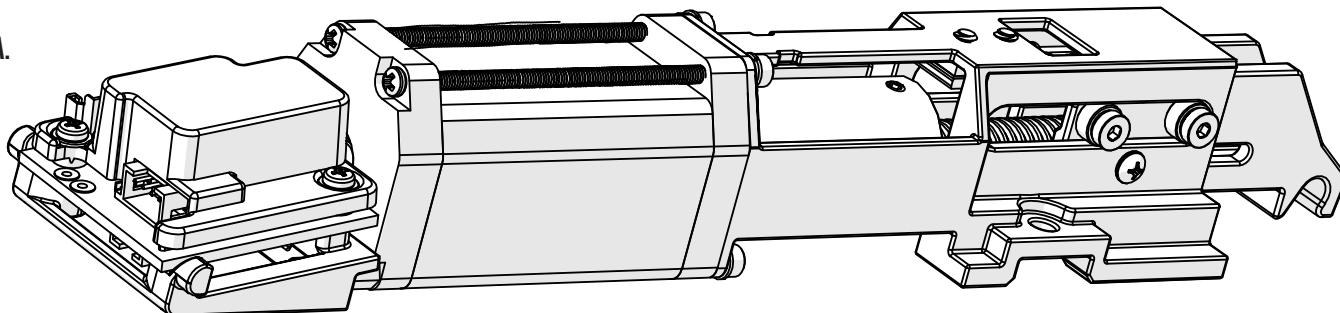
## INSERT INSTRUCTIONS

The Command Access MLRK1 is a field installable motorized latch-retraction kit for:

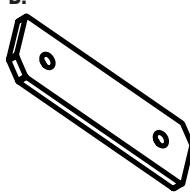
- MLRK1-AR - Adams Rite 8200/8400/8600/8800/P8800 series devices

**NOTE:** Our kit is designed to work with devices manufactured after 2003 due to changes in the exit device housing. Pre-2003 devices installations may take significant modification. For any questions please contact the factory.

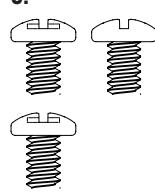
A.



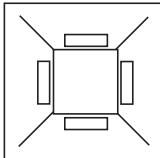
B.



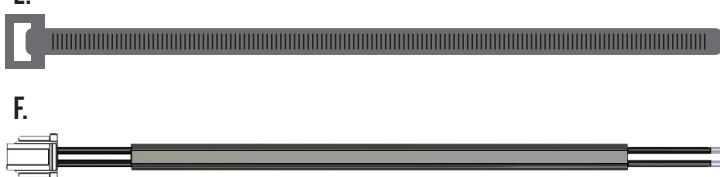
C.



D.



E.



F.



## KIT INCLUDES

- A. (1) 60762 MOTOR KIT ASSEMBLY
- B. (1) 51302 HOLD DOWN BRACKET
- C. (3) 40073 PHILLIPS PAN HEAD SCREWS
- D. (1) 40059 CABLE TIE MOUNT
- E. (1) 40060 CABLE TIE
- F. (1) 50944 POWER HARNESS



INSTALLATION VIDEO

## SPECIFICATIONS

- INPUT VOLTAGE: 24VDC +/- 10%
- AVERAGE LATCH RETRACTION CURRENT: 1.3 AMP
- AVERAGE HOLDING CURRENT: 215 MA
- WIRE GAUGE: MINIMUM 18 GAUGE
- DIRECT WIRE RUN - NO RELAYS OR ACCESS CONTROL UNITS IN-BETWEEN POWER SUPPLY & MODULE

## OPTIONAL BUILT-IN REX

SPDT - RATED .5A @ 24VDC

- GREEN = COMMON (C)
- BLUE = NORMALLY OPEN (N/O)
- GREY = NORMALLY CLOSED (N/C)

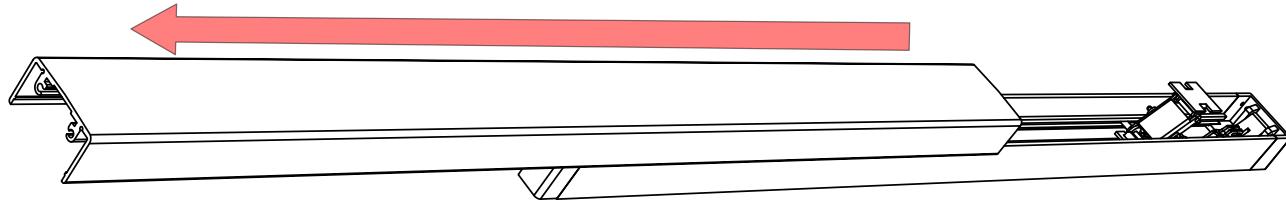
## RECOMMENDED POWER SUPPLIES: USE A POWER LIMITED CLASS 2 POWER SUPPLY

ALL COMMAND ACCESS EXIT DEVICES & FIELD INSTALLABLE KITS HAVE BEEN THOROUGHLY CYCLE TESTED WITH COMMAND ACCESS POWER SUPPLIES AT OUR FACTORY. IF YOU PLAN ON USING A NON-COMMAND POWER SUPPLY IT MUST BE A FILTERED & REGULATED LINEAR POWER SUPPLY.

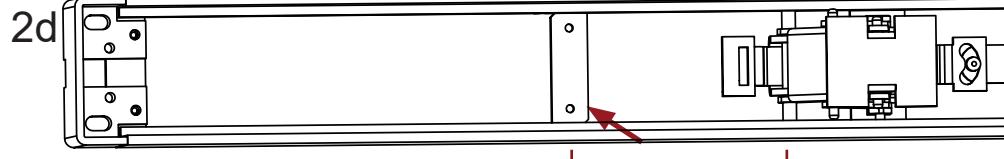
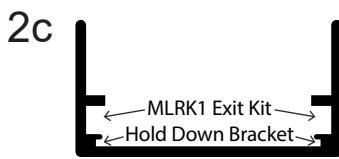
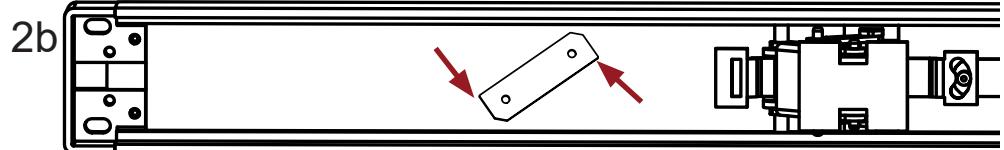
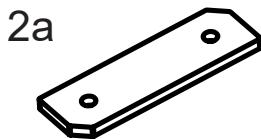
# INSTALLATION INSTRUCTIONS

COMMAND  
ACCESS

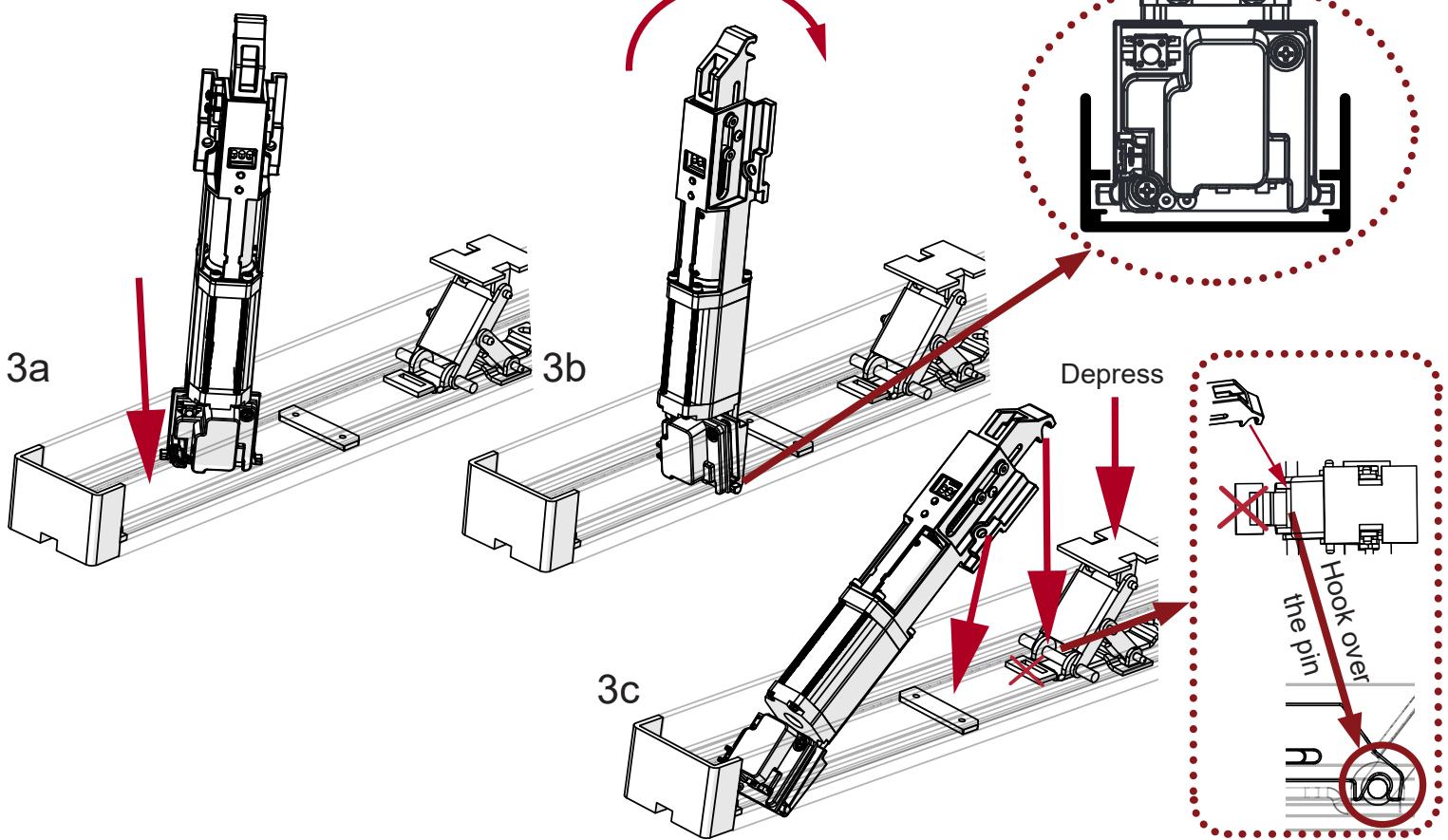
1. Remove end caps and separate push pad from base rail assembly.



2. Place Hold Down Bracket (2a) into base rail assembly, rotate it perpendicular to the housing(2b) in the hold down bracket channel (2c) and placing it approximately 2" from the activating bracket pin (2d).



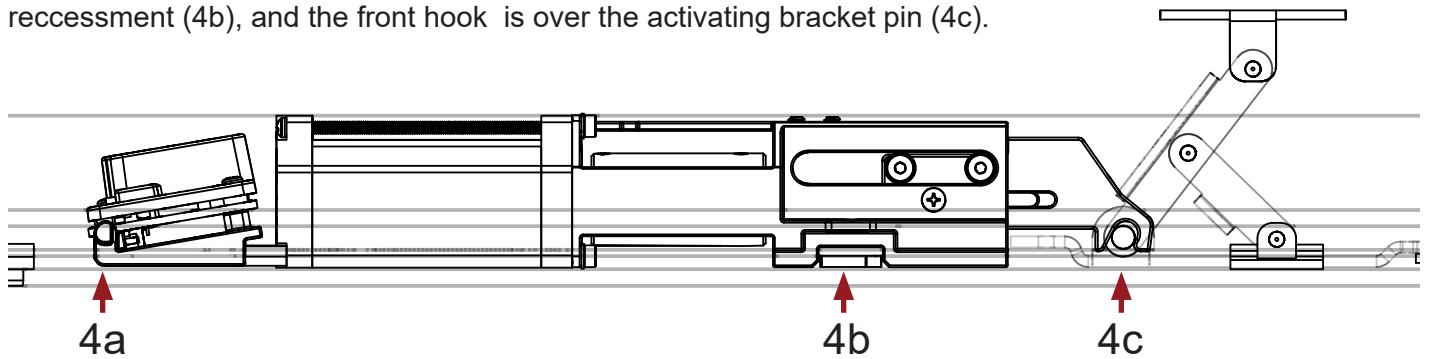
3. Hold motor kit perpendicular to the device placing the tail end into the housing (3a), identify the MLRK1 Exit Kit channel (2c) and rotate the kit 90 degrees to lock it into the channel (3b), depress the activating bracket and allow the kit to lay over the top of the hold down bracket and extend the front hook over activating bracket pin (3c).



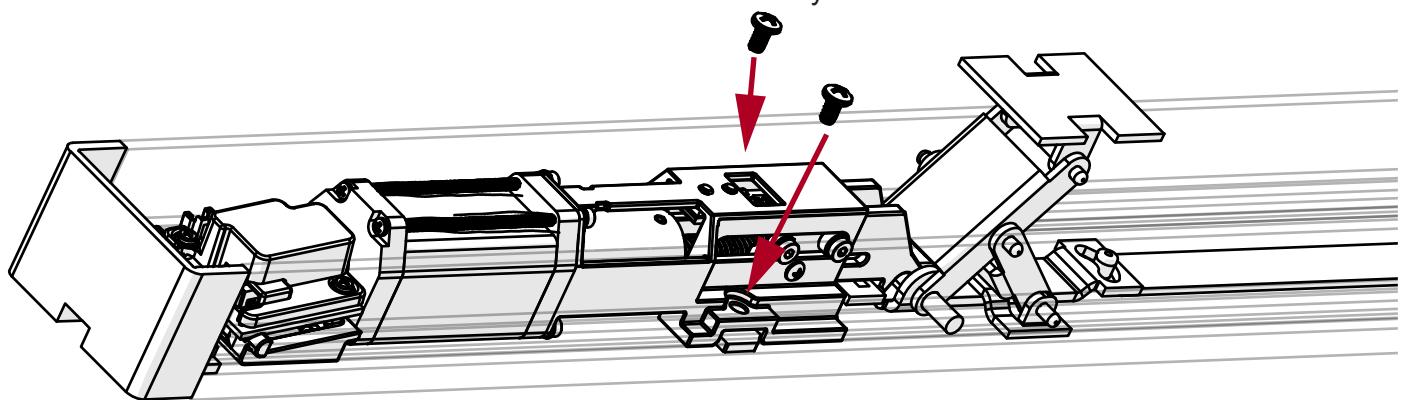
# INSTALLATION INSTRUCTIONS



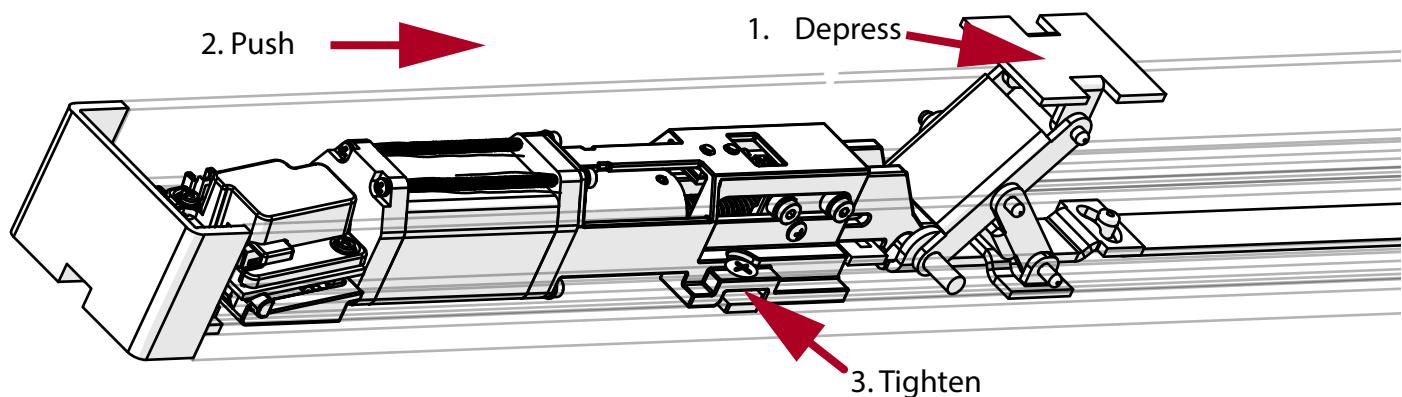
**4.** Verify that the tail of the kit is in the MLRK1 Exit Kit channel (4a), the hold bracket is in the correct recessment (4b), and the front hook is over the activating bracket pin (4c).



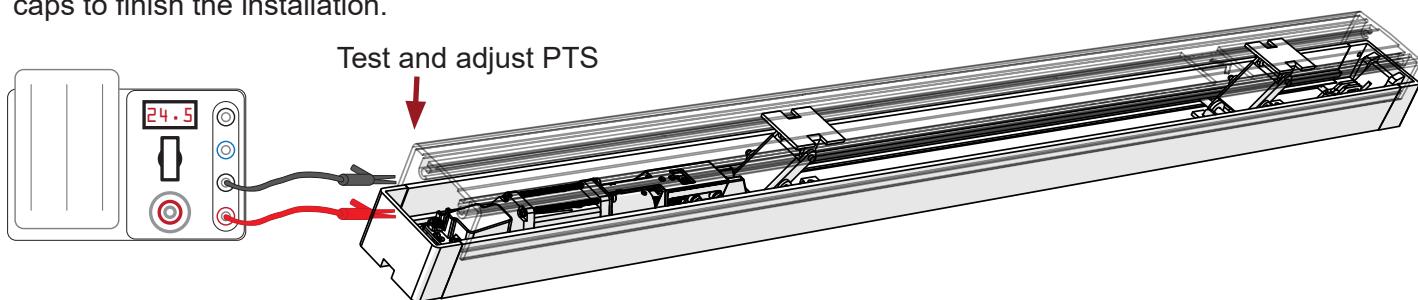
**5.** Install two Pan Head screws into the Hold Down bracket loosely.

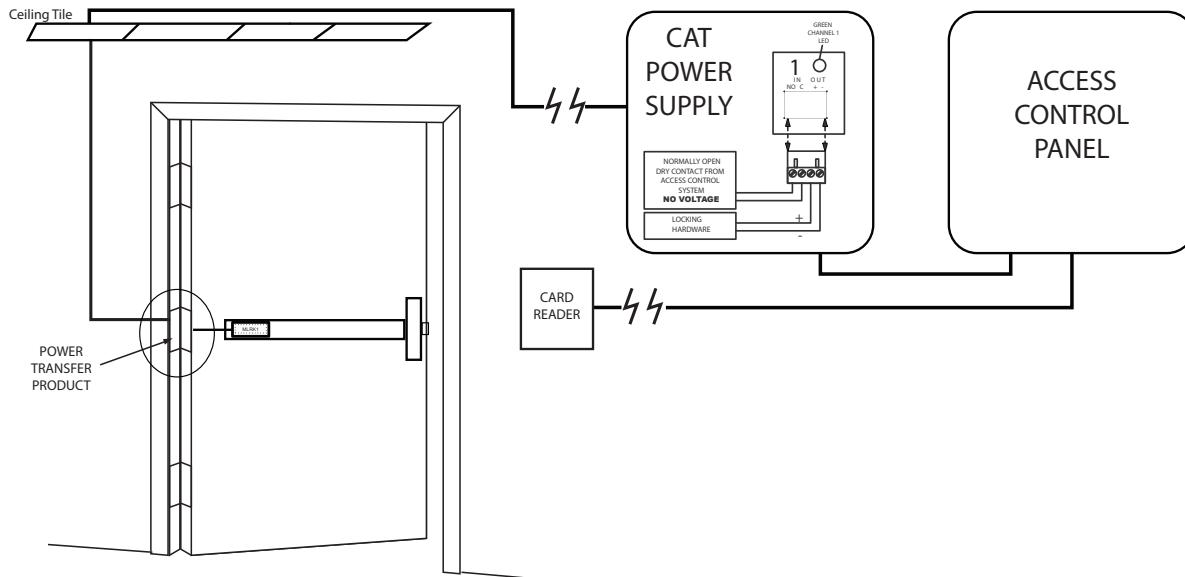


**6.** (1) depress and hold the activating linkage down completely, (2) push and hold the kit towards the head of the device, (3) continue to holds the kit in position while you release the activating bracket and secure the kit into position by tightening the screws on the hold down bracket.



**7.** Replace push pad, test function and adjust PTS location if needed (see page 4). Once complete, install end caps to finish the installation.





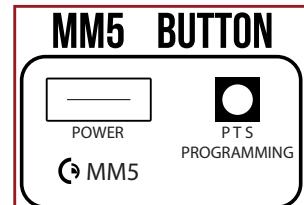
## SETTING PUSH TO SET (PTS)

### TO PUT THE DEVICE IN PTS MODE, FOLLOW THESE STEPS:

- Depress the MM5 button.
- Apply power and listen for short beep, which indicates that the device is now in PTS mode.
- Remove power.
- Release the button, but make sure you don't release it until the power is no longer going to the motor.

### SET ADJUSTMENT:

- Depress the pushpad fully then release it 1/32", & hold.
- Apply power.
- Continue to hold the pushpad until the device gives you long beep.
- Remove power.



Note: Test the new location multiple times; if not to your liking, repeat the steps.

## TROUBLESHOOTING & DIAGNOSTICS

BEEPS	EXPLANATION	SOLUTION
2 BEEPS (NO MOTOR SPIN)	OVER VOLTAGE	> 30V UNIT WILL SHUT DOWN. CHECK VOLTAGE & ADJUST TO 24 V.
3 BEEPS (NO MOTOR SPIN)	UNDER VOLTAGE	< 20V UNIT WILL SHUT DOWN. CHECK VOLTAGE & ADJUST TO 24 V.
4 BEEPS (NO MOTOR SPIN)	FAILED SENSOR	VERIFY ALL 3 SENSOR WIRES ARE INSTALLED CORRECTLY. REPLACE SENSOR IF PROBLEM PERSISTS BY CONTACTING OFFICE.
		RESET PTS TO 95% OF FULL TRAVEL
5 BEEPS MOTOR SPINS FOLLOWED BY 1-5 BEEPS	RETRACTION OR DOGGING FAILURE	<p>FOR HOLD OPEN CYCLES</p> <p>AFTER 1ST FAIL: 5 BEEPS THEN IMMEDIATELY ATTEMPTS TO RETRACT AGAIN.</p> <p>AFTER 2ND FAIL: 5 BEEPS WITH PAUSE IN-BETWEEN FOR 30 SECONDS THEN DEVICE ATTEMPTS TO RETRACT AGAIN.</p> <p>AFTER 3RD FAIL: 5 BEEPS EVERY 7 MINUTES. DEVICE WILL NOT ATTEMPT TO RETRACT. TO RESET DURING HOLD OPEN CYCLE, DEPRESS BAR FOR 5 SECONDS</p>