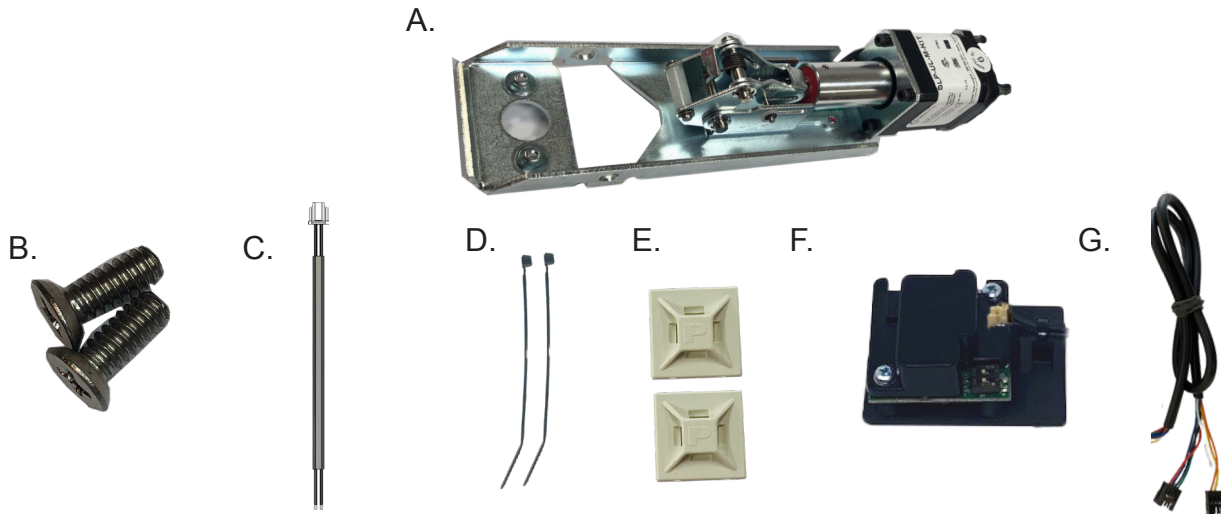


# MLRK1-

## INSERT INSTRUCTIONS

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

- MLRK1-SGT - Sargent 80 series devices
- MLRK1-ARW - Arrow 1000 series devices



### KIT INCLUDES

- |                                   |  |
|-----------------------------------|--|
| A. 1- MOTOR MOUNT                 | F. 1- 60368/51186 - REMOTE MM4S MODULE |
| B. 1- 40801 - PHILLIPS HEAD SCREW | G. 1- 50741 - REMOTE MODULE CABLE      |
| C. 1- 50944 - MOLEX PIGTAIL       |  |
| D. 2 - 40060 - CABLE TIE          |  |
| E. 2 - 40059 - MOUNTING PAD       |  |



**INSTALLATION VIDEO**

### SPECIFICATIONS

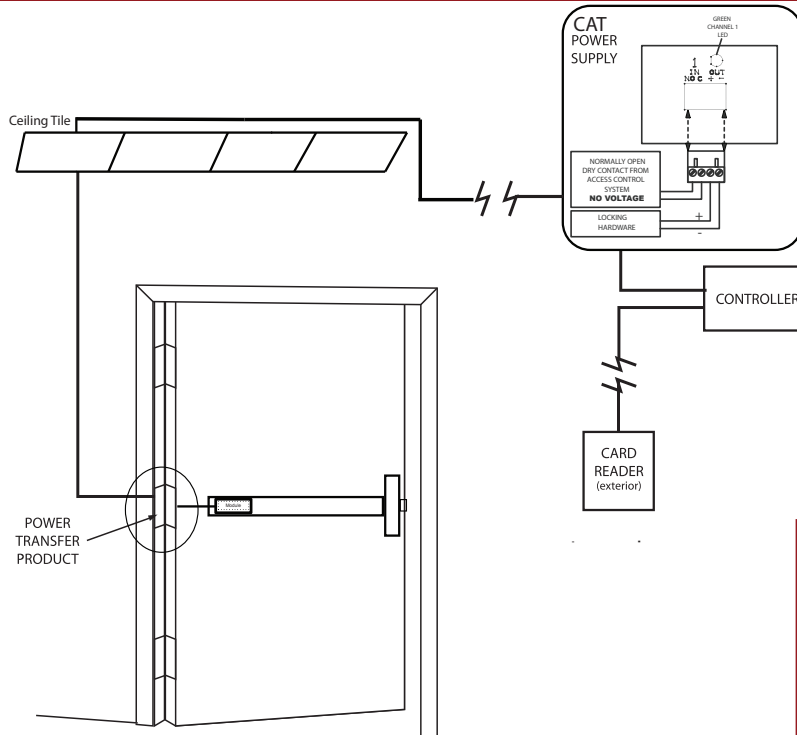
- INPUT VOLTAGE: 24VDC +/- 10%
- AVERAGE LOW TORQUE LATCH RETRACTION CURRENT: 900 MA
- AVERAGE HIGH TORQUE LATCH RETRACTION CURRENT: 2A
- AVERAGE HOLDING CURRENT: 215 MA
- WIRE GAUGE: MINIMUM 18 GAUGE
- DIRECT WIRE RUN - NO RELAYS OR ACCESS CONTROL UNITS IN-BETWEEN POWER SUPPLY & MODULE

#### OPTIONAL BUILT-IN REX

- SPDT - RATED .5A @24V
- GREEN= COMMON (C)
- BLUE = NORMALLY OPEN (NO)
- GREY = NORMALLY CLOSED (NC)

#### 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.



### MM4S SWITCHES

<b>1</b>	<b>OFF</b>	STANDARD TORQUE
	<b>ON</b>	HIGH TORQUE
<b>2</b>	<b>ON</b>	PTS PROGRAMMING ON
	<b>OFF</b>	PTS PROGRAMMING OFF

INPUT POWER

MM4S

## SETTING PTS

\*\*IMPORTANT INFO\*\*

MAKE SURE TO SET PTS BEFORE FINISHING INSTALLATION

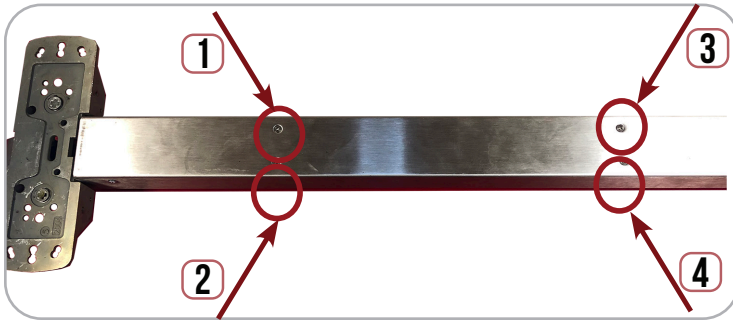
- STEP 1-** SELECT YOUR PREFERRED TORQUE MODE (SHIPS IN STANDARD TORQUE) PRESS THE DEVICE PUSH PAD TO THE DESIRED SETTING. (RECOMMEND TO FULLY DEPRESS AND RELEASE 5%, GIVING THE DEVICE ROOM FOR CHANGING DOOR CONDITIONS.)
- STEP 2-** WHILE DEPRESSING THE PUSH PAD, APPLY POWER. (I.E. PRESENTING THE CREDENTIAL 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 3 STEPS.
- STEP 4-** ONCE YOU FOUND THE CORRECT LOCATION, TURN PTS SWITCH TO OFF POSITION.

## TROUBLESHOOTING & DIAGNOSTICS

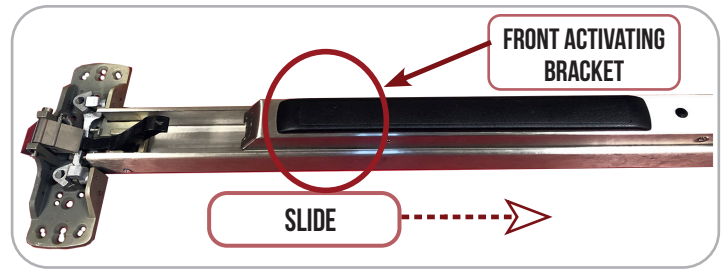
BEEPS	EXPLANATION	SOLUTION
2 BEEPS	OVER VOLTAGE	> 30V UNIT WILL SHUT DOWN. CHECK VOLTAGE & ADJUST TO 24 V.
3 BEEPS	UNDER VOLTAGE	< 20V UNIT WILL SHUT DOWN. CHECK VOLTAGE & ADJUST TO 24 V.
4 BEEPS	FAILED SENSOR	VERIFY ALL 3 SENSOR WIRES ARE INSTALLED CORRECTLY. REPLACE SENSOR IF PROBLEM PERSISTS BY CONTACTING OFFICE.
5 BEEPS	RETRACTION OR DOGGING FAILURE	<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.</p> <p>TO RESET: DEPRESS BAR FOR 5 SECONDS AT ANY TIME.</p>
6 BEEPS	PUSH TO SET	DEVICE IS RECORDING IT'S NEW POSITION AND POWER MODE AFTER THE 6TH BEEP.

# INSTALLATION INSTRUCTIONS

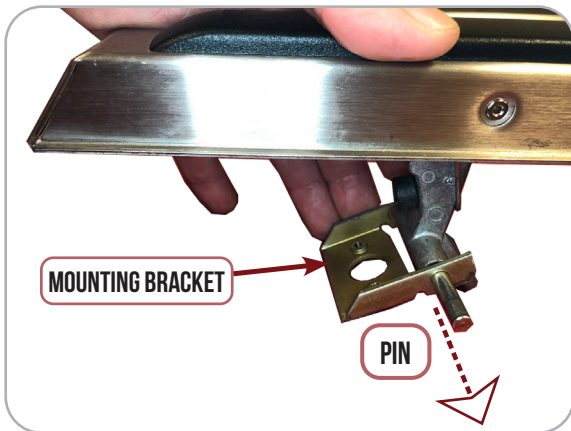
1. Flip over device & remove (4) screws securing push pad assembly to housing.



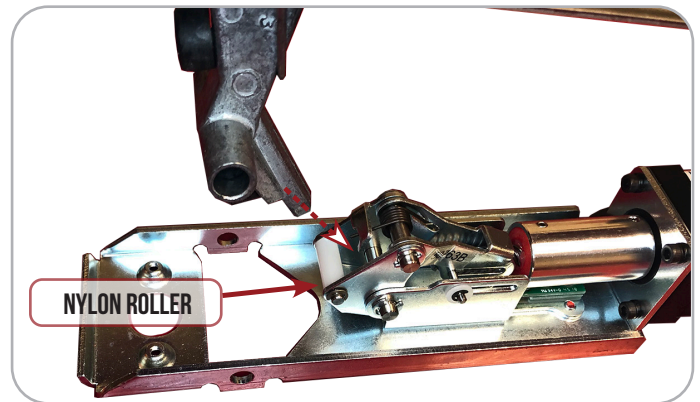
2. Slide Push Pad off Exit Device Housing.



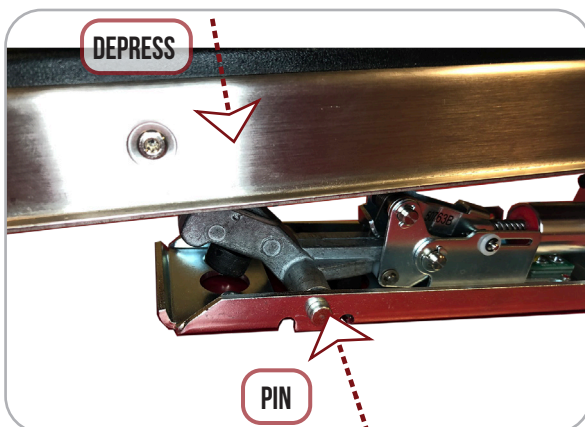
3. Locate the FRONT Activating Bracket. Remove original mounting bracket by pushing out PIN.



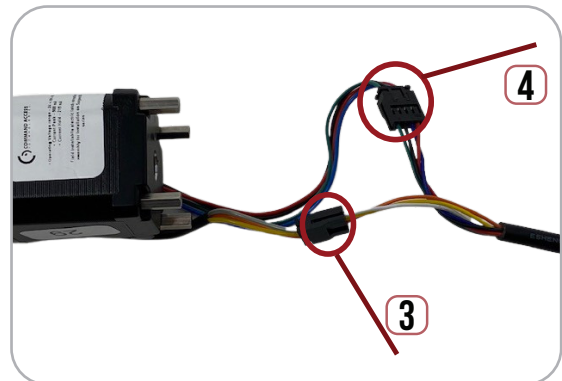
4. Install Point of Front Activating bracket into opening of motor's attaching bracket. It should rest on top of the nylon roller.



5. Once the point is in the opening, depress the push pad until the holes on the activating bracket & motor mount line up. Re-install factory pin.

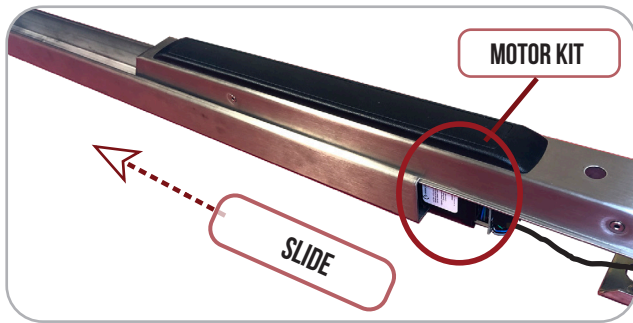


6. Connect MM4S Cable to back of motor's (3) Pin & (4) Pin connectors.

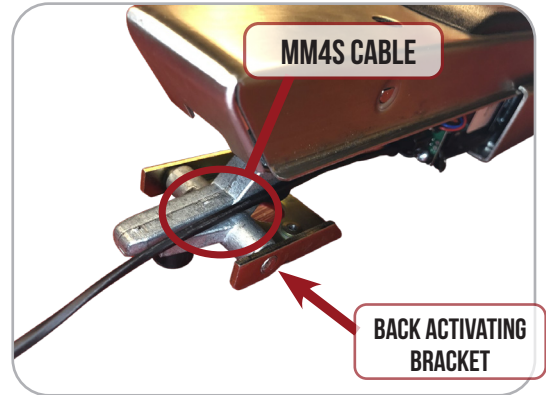


# INSTALLATION INSTRUCTIONS

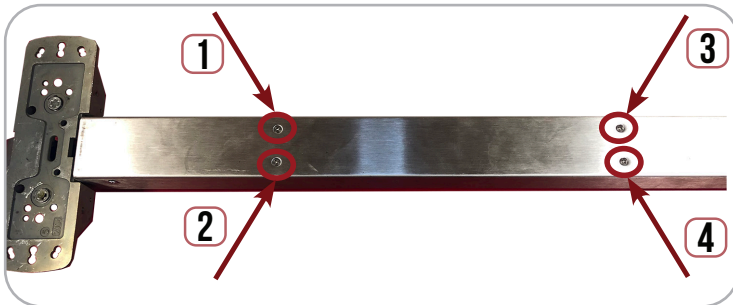
**7.** Slide Push Pad & Motor Kit back into housing. Be cautious of MM4S cable wires.



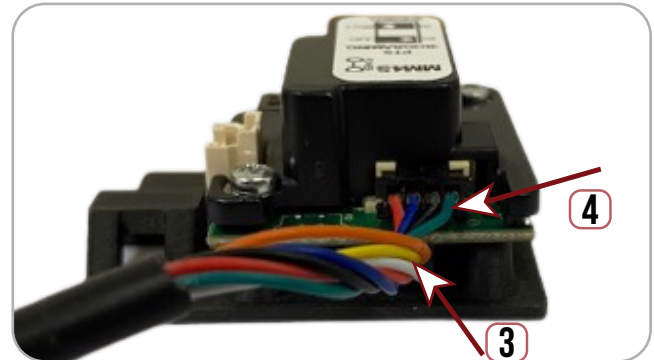
**8.** Make Sure MM4S Cable is routed OVER the back activating bracket.



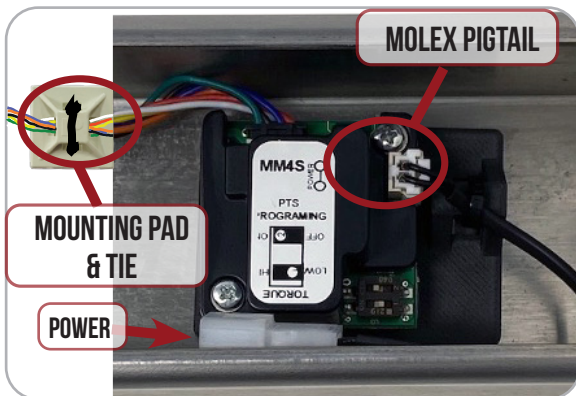
**9.** Once passed the back activating bracket, flip device over & line up existing holes with mounting bracket inside. Re-install (4) screws.



**10.** Plug-in cable's (4) Pin TOP port & (3) Pin BOTTOM port into MM4S ports.



**11.** Using double sided tape, secure MM4S to inside of the back of exit device housing. Connect Molex Pigtail. Add Mounting Pad & cable tie to secure cable wires.



**11.** Connect to Power & Set the "Push to Set Adjustment" following the steps below.



MM4S SWITCHES	
1 OFF	STANDARD TORQUE
1 ON	HIGH TORQUE
2 ON	PTS PROGRAMMING ON
2 OFF	PTS PROGRAMMING OFF

INPUT POWER: OFF OFF  
MM4S: ON ON

**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 ROOM FOR CHANGING DOOR CONDITIONS.)

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