COMMAND ACCESS TECHNOLOGIES

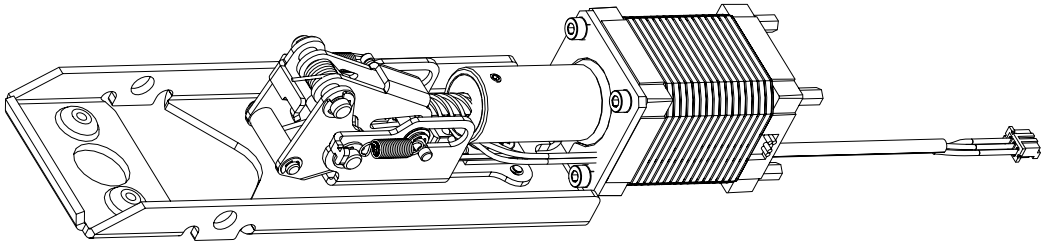
MLRK1-SGT

INSERT INSTRUCTIONS

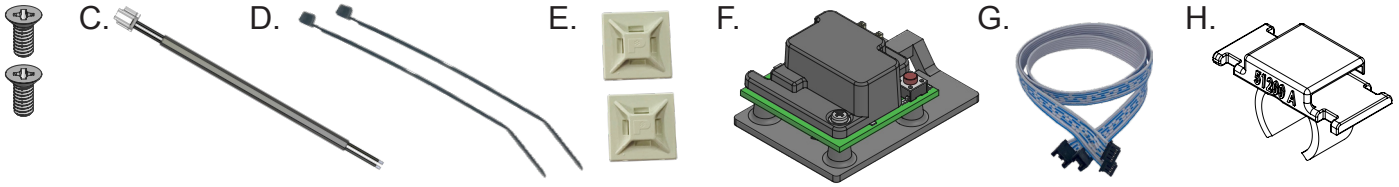
The Command Access MLRK1-SGT is a Field-installable motorized latch-retraction kit for:

- Sargent 80 series devices
- Arrow 1000 series devices
- CAL-ROYAL 2200 series devices
- CAL-ROYAL 9800 series devices
- Dorex 9500 series devices

A.



B. C. D. E. F. G. H.



KIT INCLUDES

A. 1 - 60795 - MOTOR KIT ASSEMBLY
B. 1 - 40801 - PHILLIPS HEAD SCREW
C. 1 - 50944 - MOLEX PIGTAIL
D. 2 - 40060 - CABLE TIE
E. 2 - 40059 - MOUNTING PAD
F. 1 - 60796 - REMOTE MM5 MODULE
G. 1 - 51198 - REMOTE MODULE CABLE
H. 1 - 51200 - STRAIN RELIEF CLIP

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)

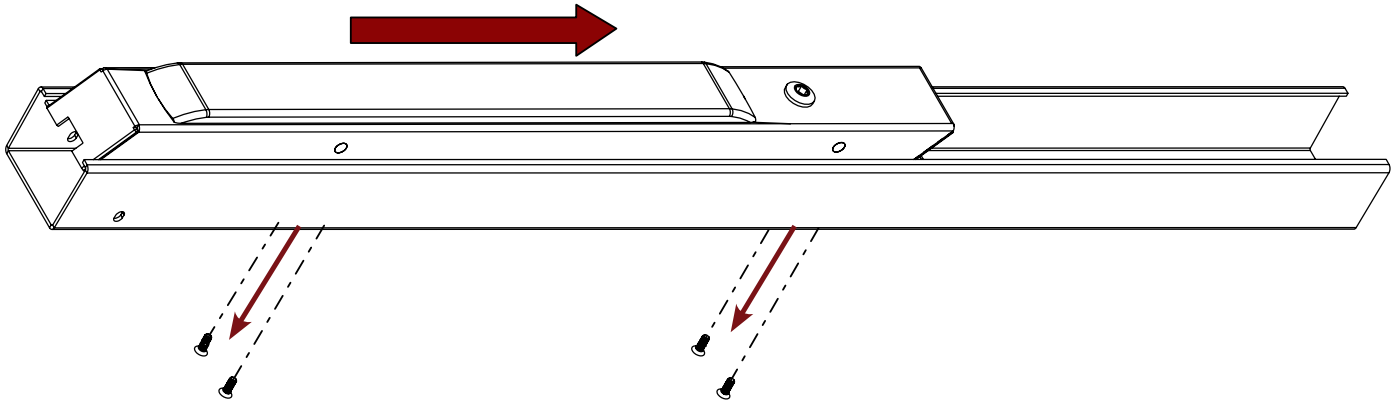
RECOMMENDED POWER SUPPLIES: USE A POWER LIMITED CLASS 2 POWER SUPPLY

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.

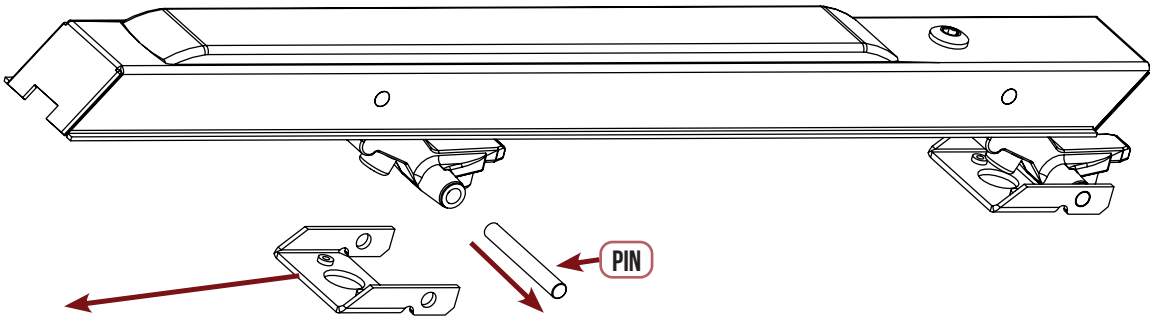
INSTALLATION INSTRUCTIONS

COMMAND ACCESS TECHNOLOGIES

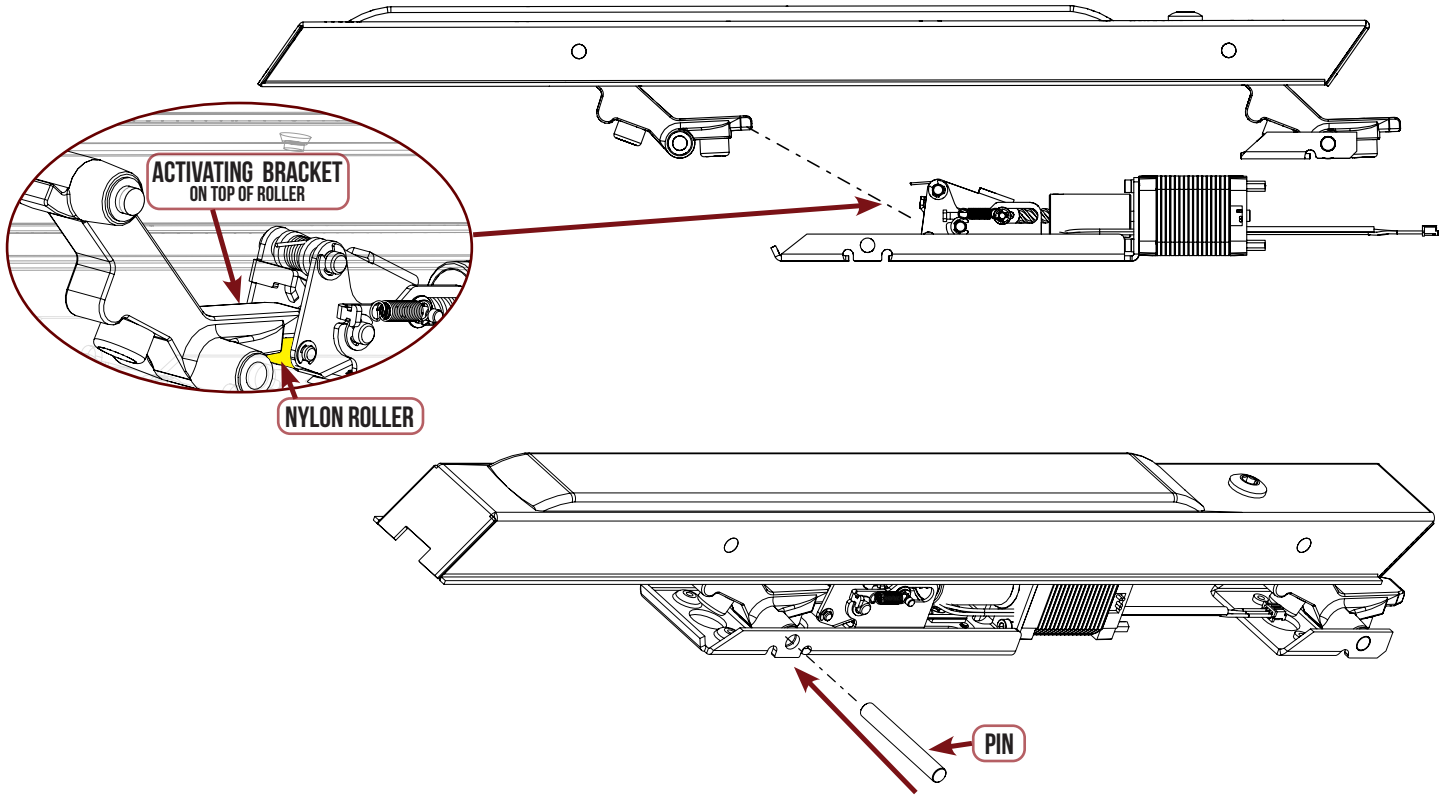
1. Flip over device, remove (4) screws securing push pad assembly to housing, and Slide Push Pad out of the Exit Device Housing.



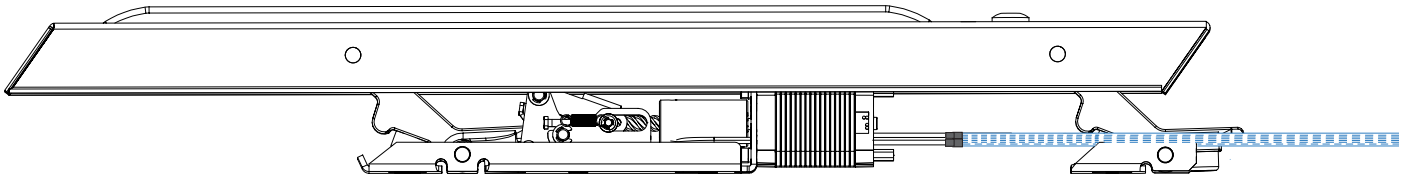
2. Locate and Remove the FRONT activating bracket by pushing out the PIN.



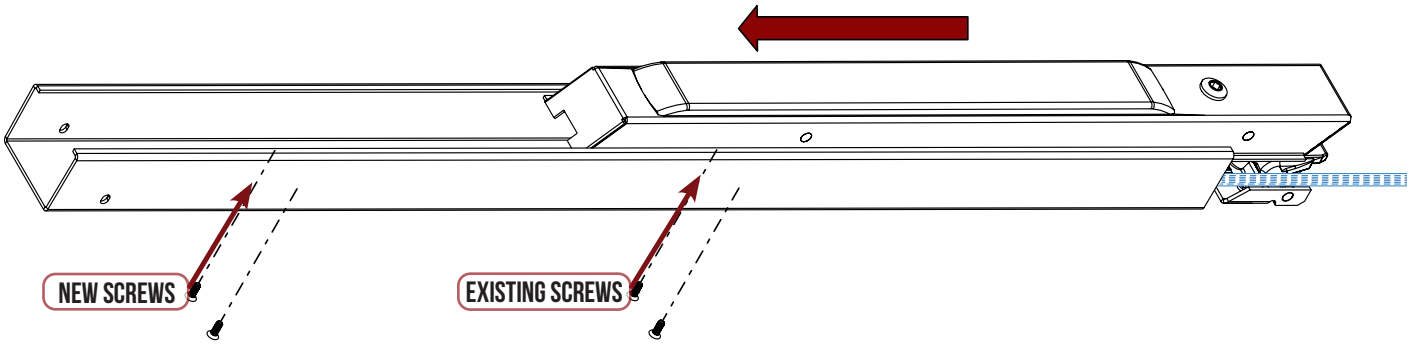
3. **Install Point of Front Activating bracket i**nto opening of motor's lifting bracket, resting on top of the nylon roller. Once in place, re-install the FRONT activating bracket PIN.



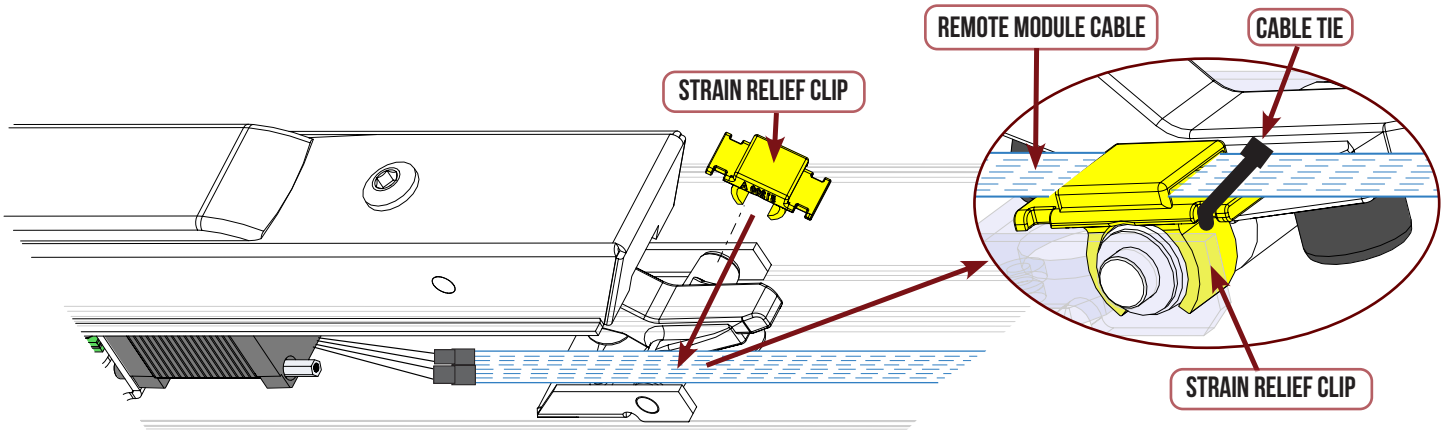
4. With the PIN in place, connect the 3-pin and 4-pin connectors from **Remote Module Cable** into the rear of the **MOTOR KIT** and route the cable **OVER** the rear activating bracket **LOOSELY**.



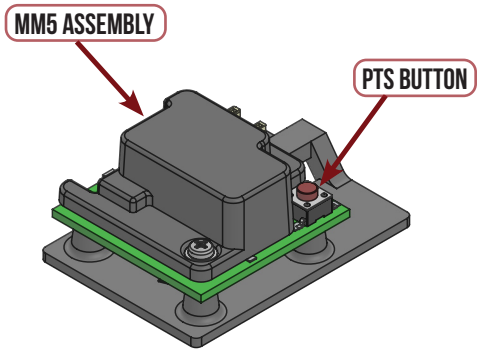
5. **Slide the Push Pad** into the Exit Device Housing. Once the back bracket enters the housing, flip device over and line up existing holes with mounting bracket inside. **Install the (2) new screws into the FRONT (motor) bracket, then Re-install the (2) existing screws into the REAR bracket.**



6. Install **Strain Relief Clip** onto the rear activating bracket, route the **Remote Module Cable** through the clip, and secure with (1) cable tie.



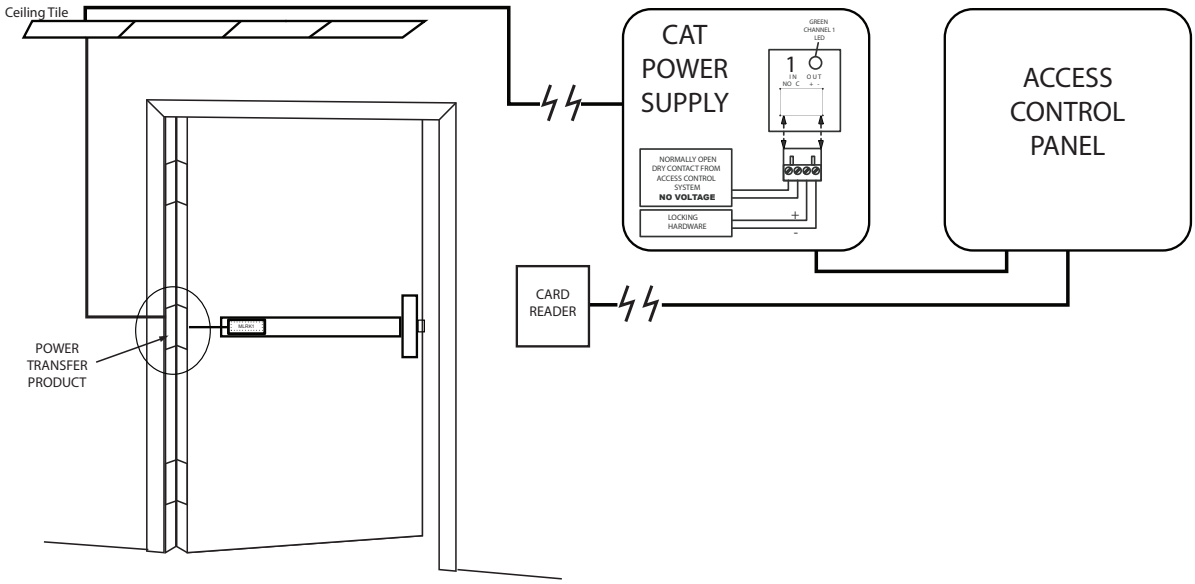
7. Test function and adjust PTS location, if needed (see page 4). Once complete, adhere cable tie mount, install cable tie, and adhere the MM5 assembly to the housing. Install filler plate and device end cap to finish the installation.



Always here to help

TECHNICAL INFORMATION

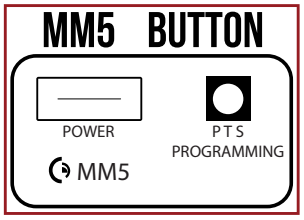
COMMAND ACCESS



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.



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

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.

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.
5 BEEPS MOTOR SPINS FOLLOWED BY 1-5 BEEPS	RETRACTION OR DOGGING FAILURE	RESET PTS TO 95% OF FULL TRAVEL FOR HOLD OPEN CYCLES 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 DURING HOLD OPEN CYCLE, DEPRESS BAR FOR 5 SECONDS