MLRK1-VD

MOTOR DRIVEN · NO HASSLE 3 YEAR WARRANTY · PTS · UL

INSERT INSTRUCTIONS

The Command Access MLRK1 is a field installable motorized latch-retraction kit for:
- MLRK1-VD - Von Duprin 98/99 & 33/35 series devices
- MLRK1-VDAX - Von Duprin 98/99AX & 33/35AX series devices

A.

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

KIT INCLUDES

A. 1- MOTOR MOUNT W/MM5
B. 2-40002 - 8/32 X 1/4" PHILLIPS HEAD SCREW
C. 1-50030 - 8/ LEAD W/ VD CONNECTOR
D. 1-50944 - MOLEX PIGTAIL
E. 1-40144 - DOGGING HOLE CAP

FIRE RATED DOGGING KIT

F. 1-50991 - FIRE RATED DRILLING TEMPLATE (OLD BASERAILS)
G. 1-REPLACEMENT DOGGING TAIL PIECE (40006 + 408000+ 50991)
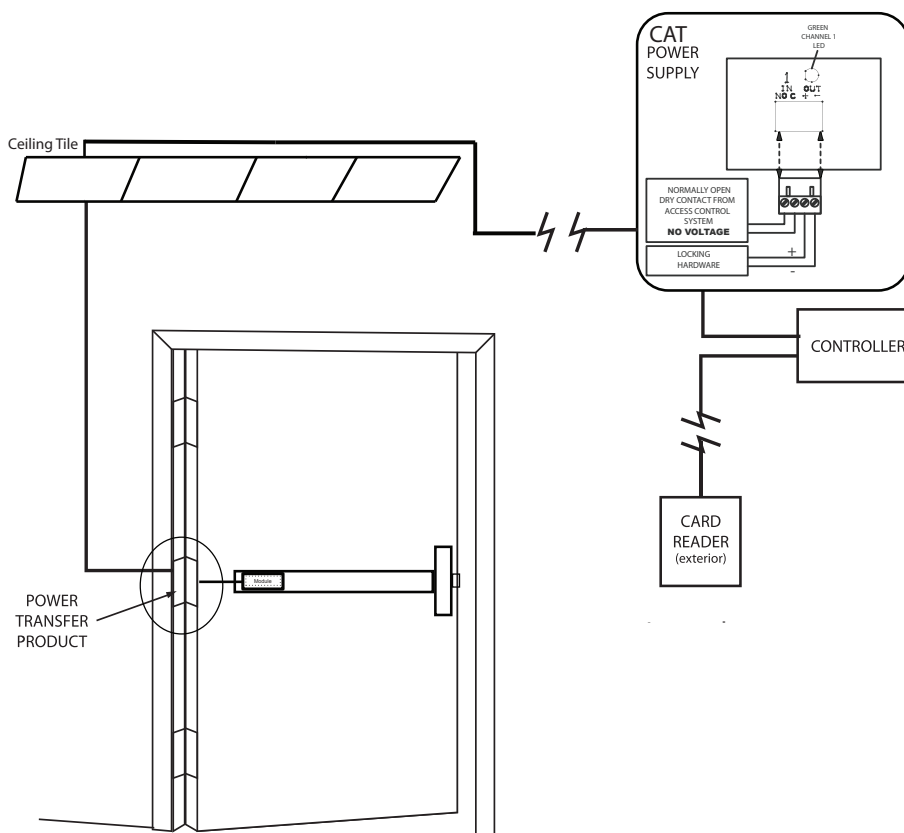
INSTALLATION VIDEO

SPECIFICATIONS

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

BUILT-IN REX

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

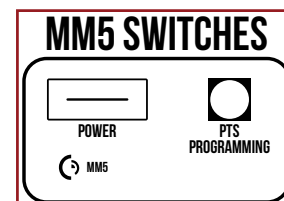**RECOMMENDED POWER SUPPLIES:** USE A POWER LIMITED CLASS 2 POWER SUPPLY

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.

U.S. Customer Support
1-888-622-2377

Visit our website for more details
www.commandaccess.com

Canada Customer Support
1-855-823-3002

#20453_F

COMMAND ACCESS
T E C H N O L O G I E S

CAT
POWER
SUPPLY

GREEN
CHANNEL 1
LED

1 OUT
IN
NO C +

Ceiling Tile

NORMALLY OPEN
DRY CONTACT FROM
ACCESS CONTROL
SYSTEM
NO VOLTAGE

LOCKING
HARDWARE

CONTROLLER

POWER
TRANSFER
PRODUCT

Module

CARD
READER
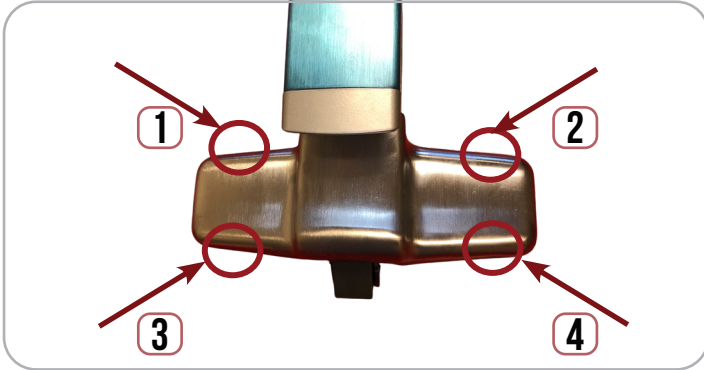(exterior)

SETTING PUSH TO SET (PTS)
MAKE SURE TO SET PTS BEFORE FINISHING INSTALLATION

STEP 1 - TO ENTER PTS MODE: DEPRESS MM5 BUTTON & APPLY POWER. THE DEVICE WILL EMIT 1 SHORT BEEP. THE DEVICE IS NOW IN PTS MODE.

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 EMIT 1 LONG BEEP. AFTER THE BEEP HAS STOPPED, RELEASE THE PAD AND NOW THE ADJUSTMENT IS COMPLETE. TEST THE NEW LOCATION, IF NOT TO YOUR LIKING REPEAT THE 3 STEPS.
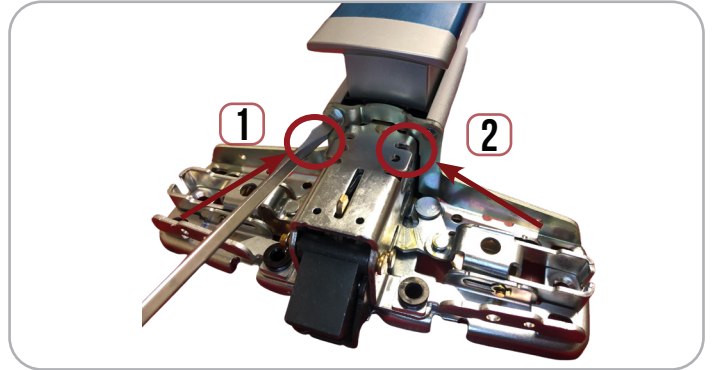
MM5 SWITCHES

POWER

PTS
PROGRAMMING

MM5

TROUBLESHOOTING & DIAGNOSTICS

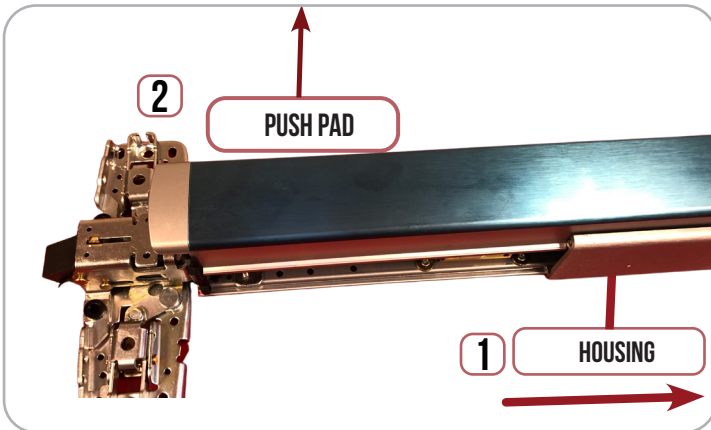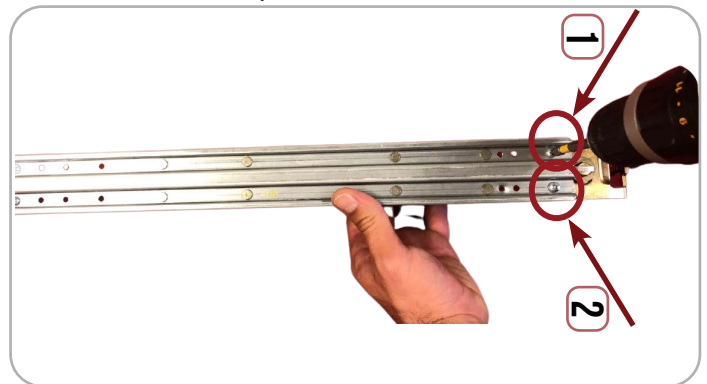| BEEPS	EXPLANATION	SOLUTION
2 BEEPS	OVER VOLTAGE	> 30V UNIT WILL SHUT DOWN. CHECK VOLTAGE & ADJUST TO 24 V.
3 BEEPS	UNDER VOLTAGE	< 20V UNIT WILL SHUT DOWN. CHECK VOLTAGE & ADJUST TO 24 V.
4 BEEPS	FAILED SENSOR	VERIFY ALL 3 SENSOR WIRES ARE INSTALLED CORRECTLY. REPLACE SENSOR IF PROBLEM PERSISTS BY CONTACTING OFFICE.
5 BEEPS	RETRACTION OR DOGGING FAILURE	**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.

1. Remove (4) screws from **Head Cover.**

2. Remove **(2) Screws** securing mounting bracket to housing.

3. **Slide off (1)** Housing to expose Pushpad & Baserail Assembly. Next, (2) remove push pad.
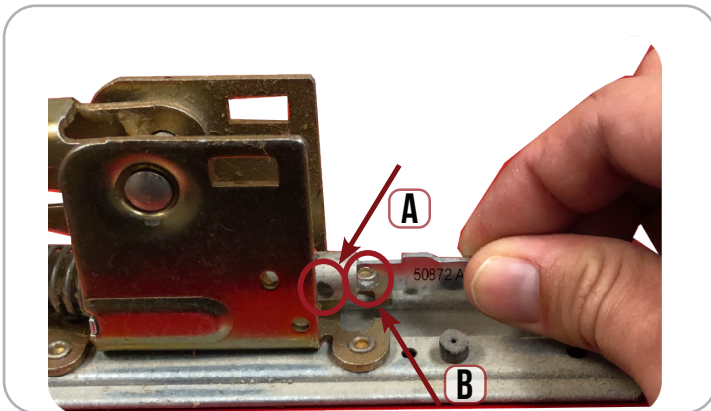

PUSH PAD

HOUSING

4. If your device has **Mechanical Dogging**, flip Baserail over & **remove (2) screws** securing dogging to Baserail. If you have rivets, you will need to drill or punch them out.
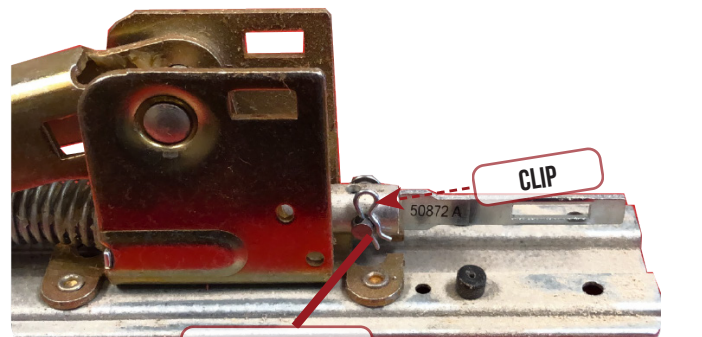

FIRE RATED DEVICES ONLY - NON-RATED SKIP TO STEP 7

5. **Use Replacement Dogging Tail (50872),** & insert into the connection rod.

A

B

50872 A

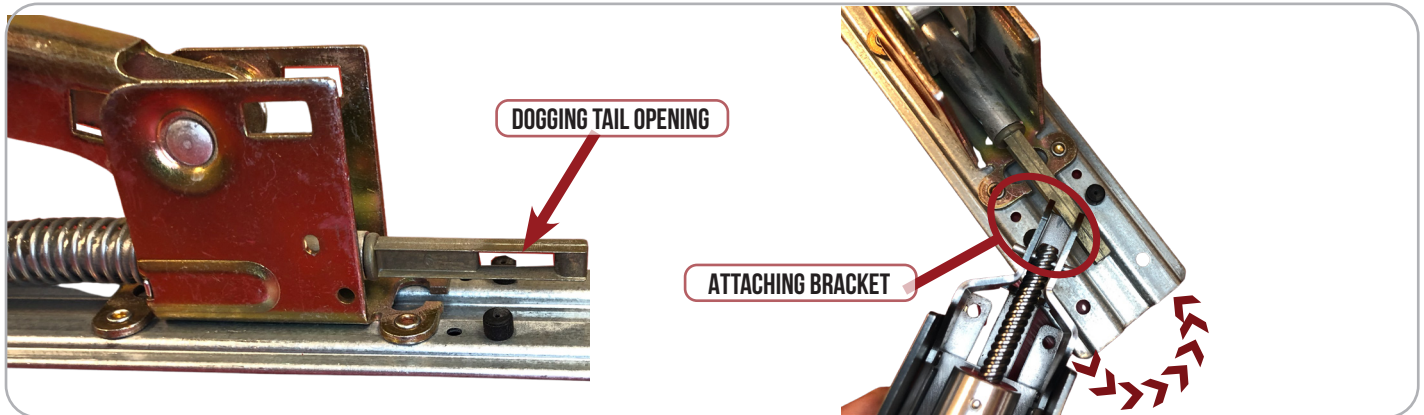**6.** **Line up Holes A & B,** insert pin & secure it with the clip provided. If you have an older device without Hole B, please scan the QR code for a video how to use the provided dogging kit.
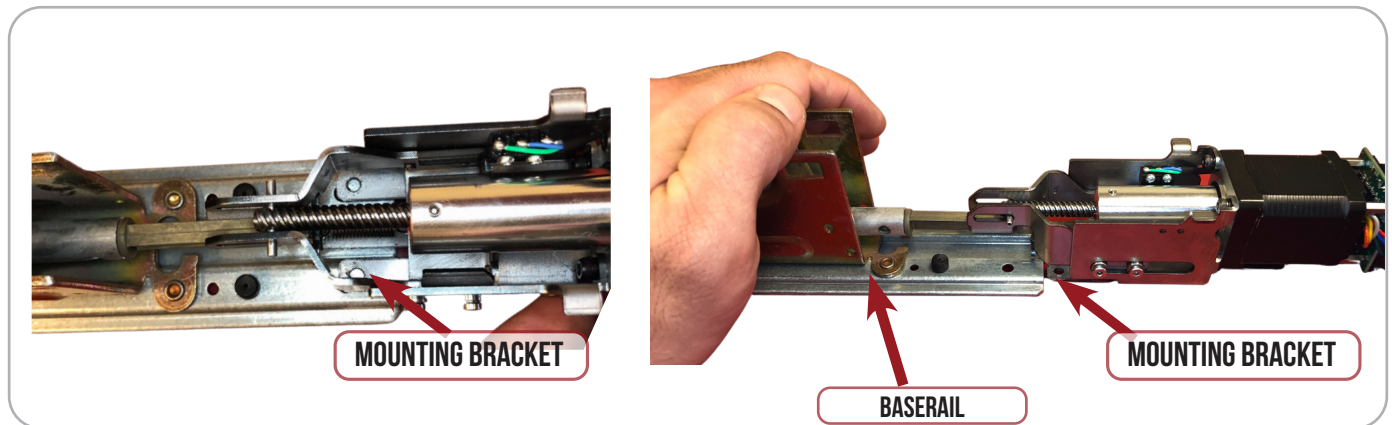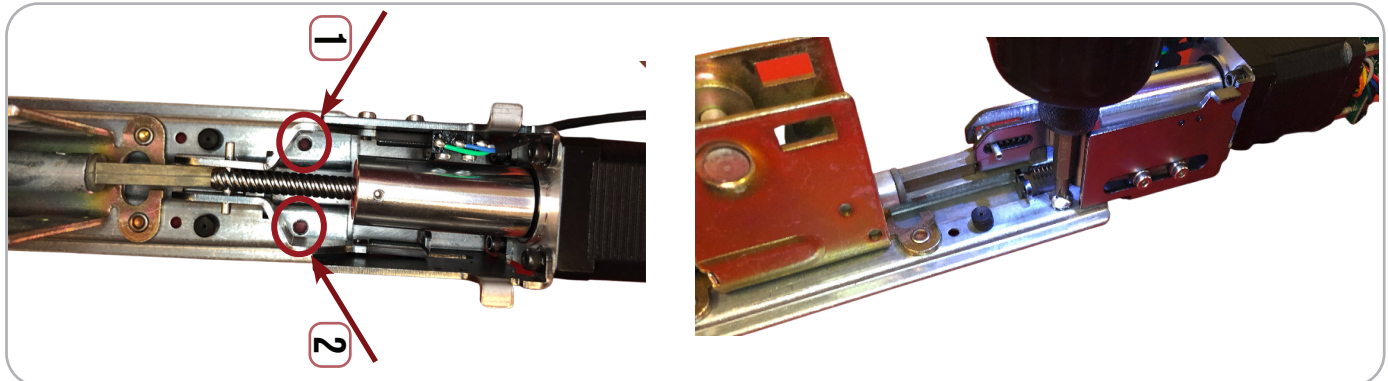

CLIP

50872 A

CONNECTING PIN

DRILL GUIDE VIDEO

7. The attaching bracket on your motor kit will slide into the dogging tail opening at a slight angle. Once the attaching bracket is inside the opening, straightening the motor kit.

DOGGING TAIL OPENING

ATTACHING BRACKET

8. **Straighten Motor kit**, depress the back activating bracket & gently pull back on the motor kit to slide the mounting bracket **UNDERNEATH** the baserail.
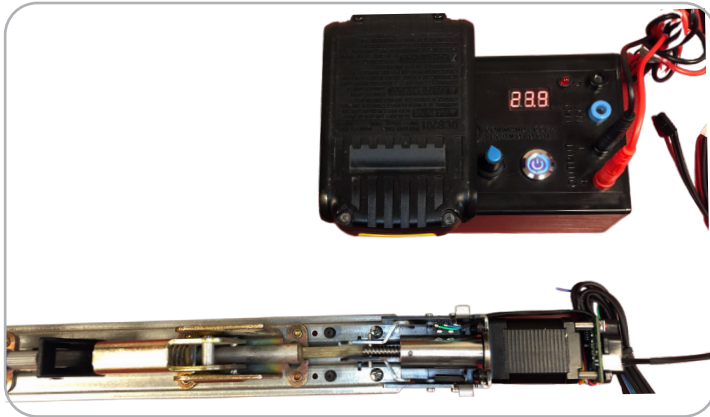

MOUNTING BRACKET

BASERAIL

MOUNTING BRACKET

9. Line up mounting bracket holes with existing holes on baserail. **Secure Motor kit** to baserail by installing (2) screws provided from the top of the device, not from underneath.
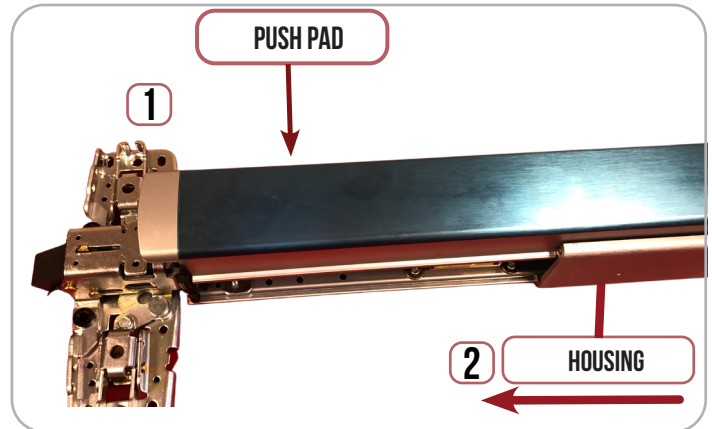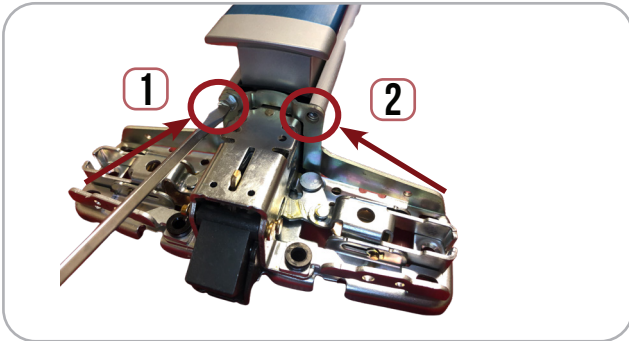

1

2

10. **Test Motor kit** on baserail to confirm it is function properly.

11. **Re-install Push Pad (1)**, then slide the exit device housing back onto the device (2) .

PUSH PAD

1

2 HOUSING

12. **Re-install Mounting Bracket,** to secure the housing to the device.

1   2

13. **Now,** set the motor adjustment by following the Push to Set directions below.

PTS BUTTON

SETTING PUSH TO SET (PTS)

→ **IMPORTANT INFO** ←
MAKE SURE TO SET PTS BEFORE FINISHING INSTALLATION

STEP 1 - To enter PTS mode: Depress MM5 button & apply power. The device will emit 1 SHORT beep. The device is now in PTS mode.

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 emit 1 LONG Beep. After the beep has stopped, release the pad and now the adjustment is complete. test the new location, If not to your liking repeat the 3 steps.

INSTALLATION VIDEO

MM5 SWITCHES

POWER   PTS
PROGRAMMING
MM5

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