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COMMAND ACCESS MLRK1 Motorized Latch Retraction Kit

COMMAND ACCESS MLRK1 Motorized Latch Retraction Kit Instruction Manual

Contents

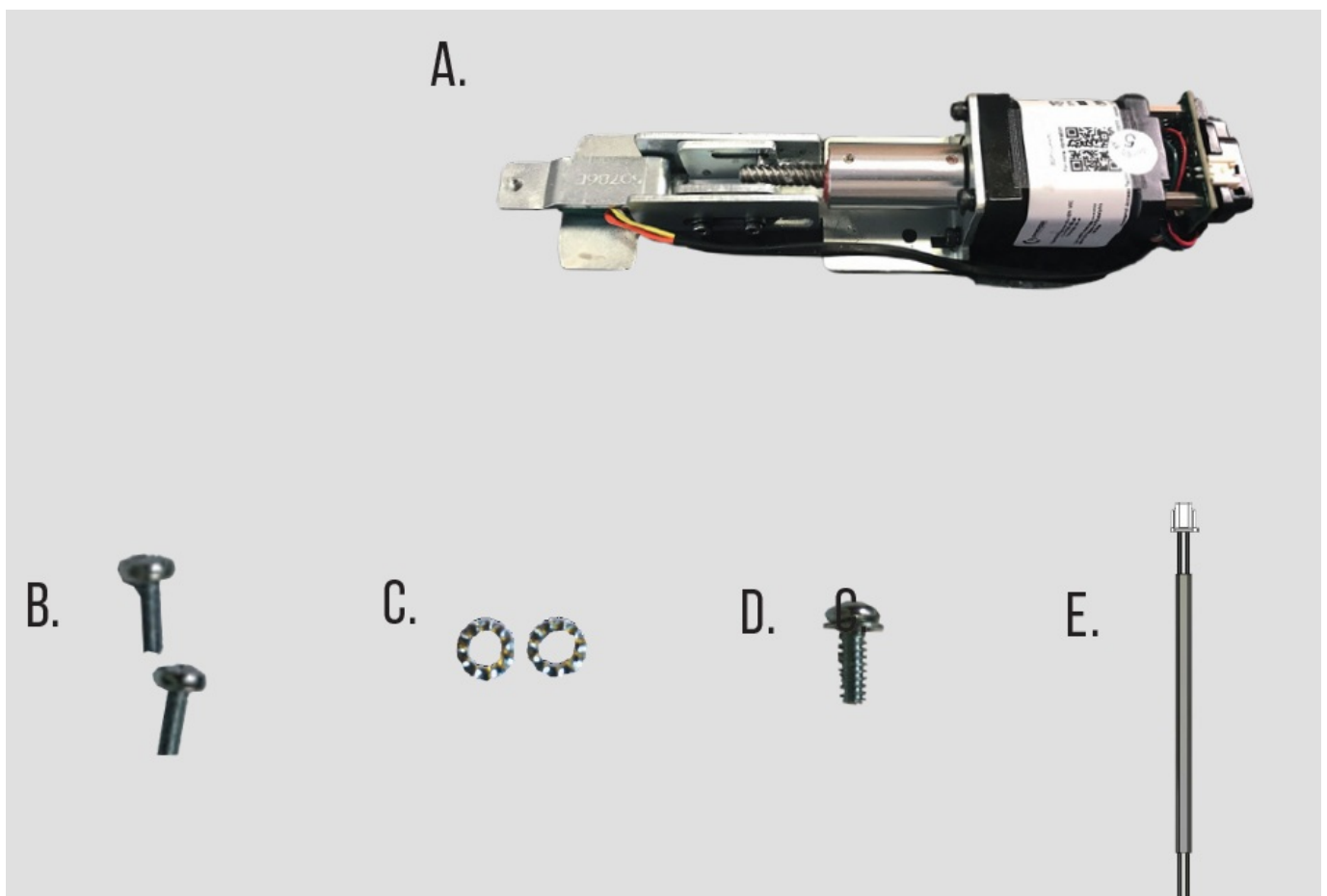**COMMAND ACCESS**
TECHNOLOGIES

COMMAND ACCESS MLRK1 Motorized Latch Retraction Kit

INSERT INSTRUCTIONS

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

- MLRK1-TEL – Tell 9500 series devices
- MLRK1-TTN – Phoenix Titan 66 series devices
- MLRK1-PHI – Philadelphia Hardware 9000 series devices

KIT INCLUDES

A 1 – 60281 – MLRK1
B 2 – 40786 – M4 screws
C 2 – 40351 – Lock Washers
D 1 – 40014 – Phillips Screw with Lock washer
E 1 – 50944 – Molex Pigtail

TOOLS REQUIRED
Cordless Drill or Phillips Screwdriver

SPECIFICATIONS

- Input Voltage: 24VDC +/- 10%

  Standard torque AVERAGE LATCH RETRACTION CURRENT: 900 mA

- High torque AVERAGE 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
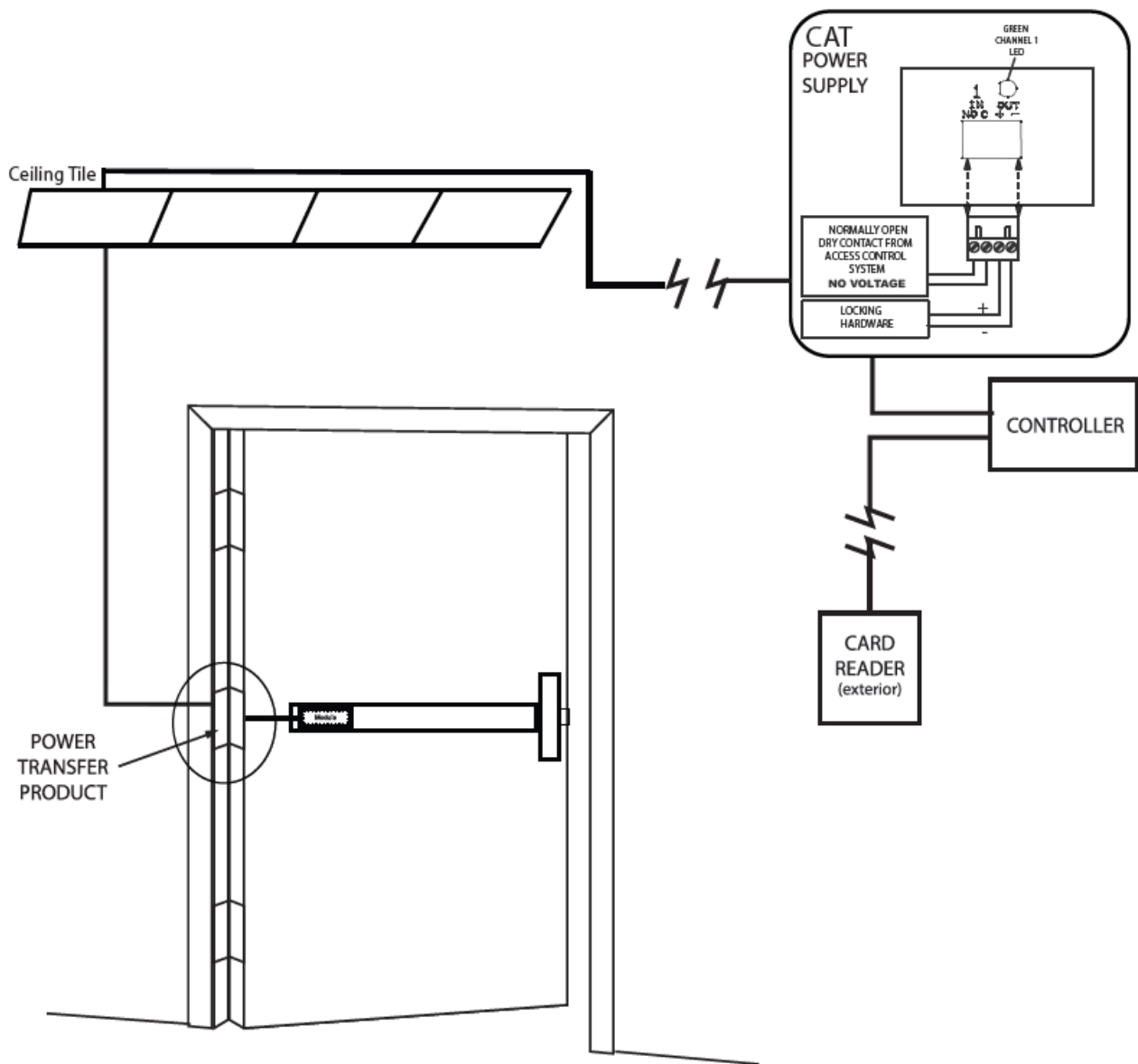
  Recommended Power Supplies: Use a power limited class 2 power supply

  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.

Optional built-in rex

- SPDT – Rated .5a @24V
- green= Common (C)
- Blue = normally open (NO)
- grey = normally closed (NC)
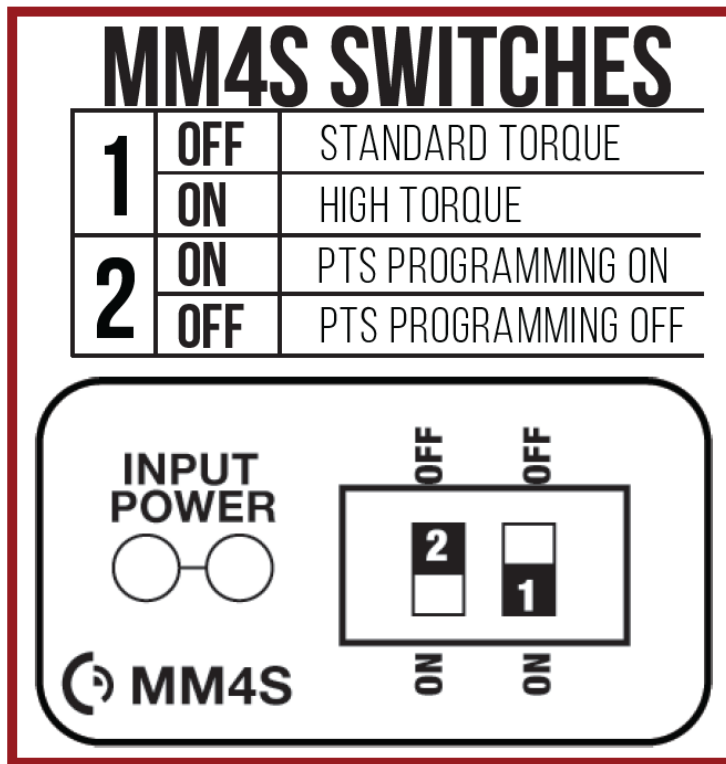
Technical Information

Setting PUSH TO SET (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. (We 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 the pad depressed, the device will beep 6 times. After the beeps have stopped, release the pad and the adjustment is now complete. If not to your liking repeat the 3 steps.
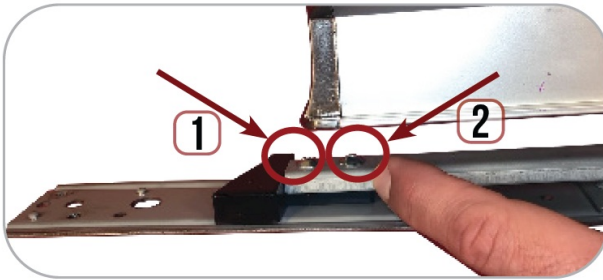- Step 4 – Once you have found the correct location. Change Dip Switch 2 to PTS Programming OFF.

MM4S SWITCHES

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

INPUT POWER

MM4S

Troubleshooting & Diagnostics

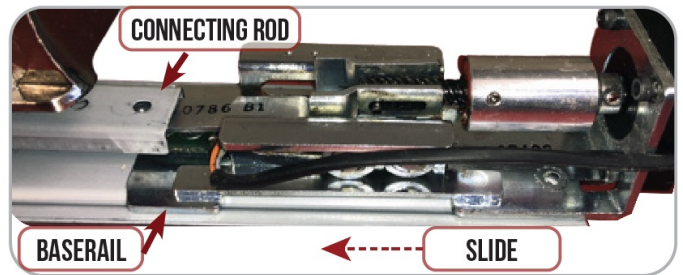| Beeps	Explanation	Solution
2 Beeps	Over Voltage	> 30V unit will shut down. Check voltage & adjust to 24 V.
3 Beeps	Under Voltage	< 20V unit will shut down. Check voltage & adjust to 24 V.
4 Beeps	Failed Sensor	Verify all 3 sensor wires are installed correctly. Replace sensor if problem persists by 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.
6 Beeps	**PUSH TO SET**	Device is recording it's new position and power mode after the 6th beep.

INSTALLATION INSTRUCTIONS

1. SLIDE HOUSING OFF TO REVEAL BASERAIL. YOU MAY HAVE TO REMOVE TWO SCREWS FROM UNDERSIDE OF HOUSING BEFORE SLIDING OFF.
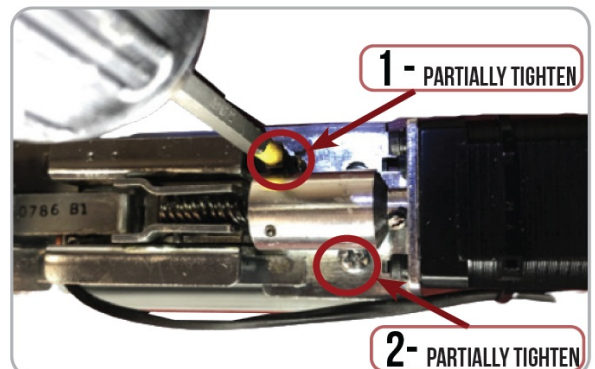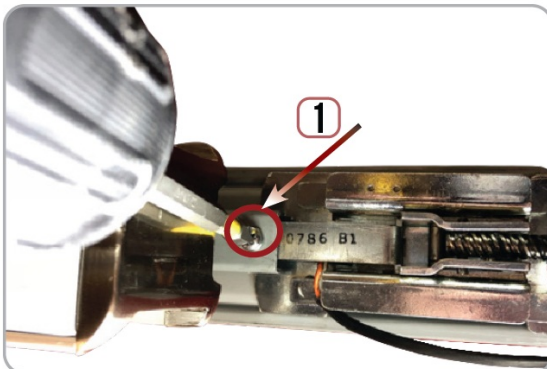2. IF YOUR DEVICE HAS DOGGING, YOU NEED TO REMOVE DOG-GING ASSEMBLY.

SLIDE

1
2

3. IF YOUR DEVICE HAS DOGGING, YOU NEED TO REMOVE TAIL PIECE BOTH SCREWS FROM CONNECTING ROD.

4. INSTALL KIT ON TOP OF BASERAIL & ATTACHING BRACKET, SLIDING UNDERNEATH THE CONNECTING ROD.
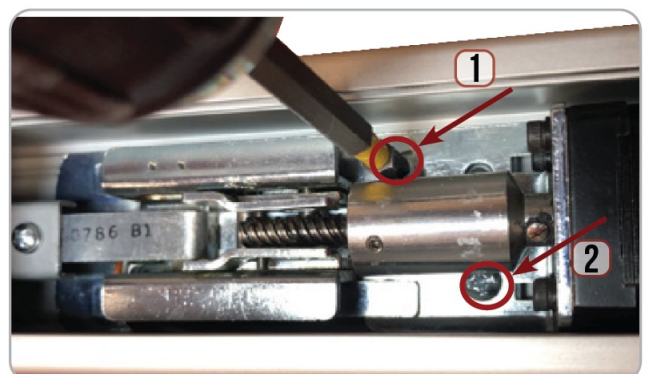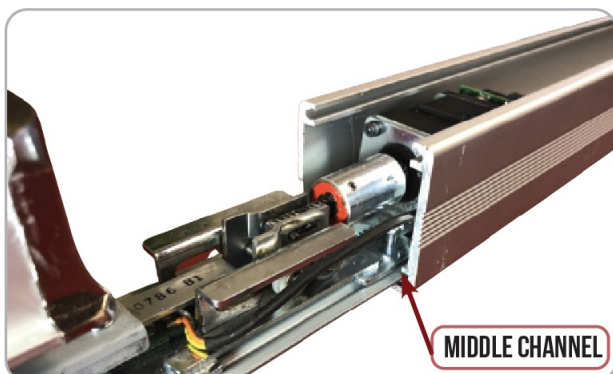

1   2

FOR HOLE #2, YOU'LL NEED TO START LOOSING IT BY USING VISE GRIPS OR A NEEDLE NOSE PLIERS & WORK THE SCREW LOOSE.

CONNECTING ROD

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BASERAIL   SLIDE

5. INSTALL (40064) SCREW TO SECURE ATTACHING BRACKET TO CONNECTING ROD

6. INSTALL BOTH (40786) SCREWS & (40351) LOCK WASH-ERS PARTIALLY, SO THE BASERAIL CAN STILL SLIDE BACK INTO THE HOUSING.

1

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1 - PARTIALLY TIGHTEN

0786 B1

2- PARTIALLY TIGHTEN

7. SLIDE BASERAIL WITH MOTOR KIT BACK INTO HOUSING. MAKE SURE IT'S IN THE MIDDLE CHANNEL.

8. ONCE HOUSING IS ALL THE WAY ON, GO BACK TO MOTOR MOUNT SCREWS & TIGHTEN ALL THE WAY TO KEEP HOUSING IN PLACE.

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MIDDLE CHANNEL

1

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2

9. NEXT, HOOK UP TO POWER AND SET THE PUSH-TO-SET ADJUSTMENT. FOLLOW STEPS BELOW TO SET, REMEMBERING TO TURN THE PROGRAMMING SWITCH TO THE OFF POSITION WHEN COMPLETED.
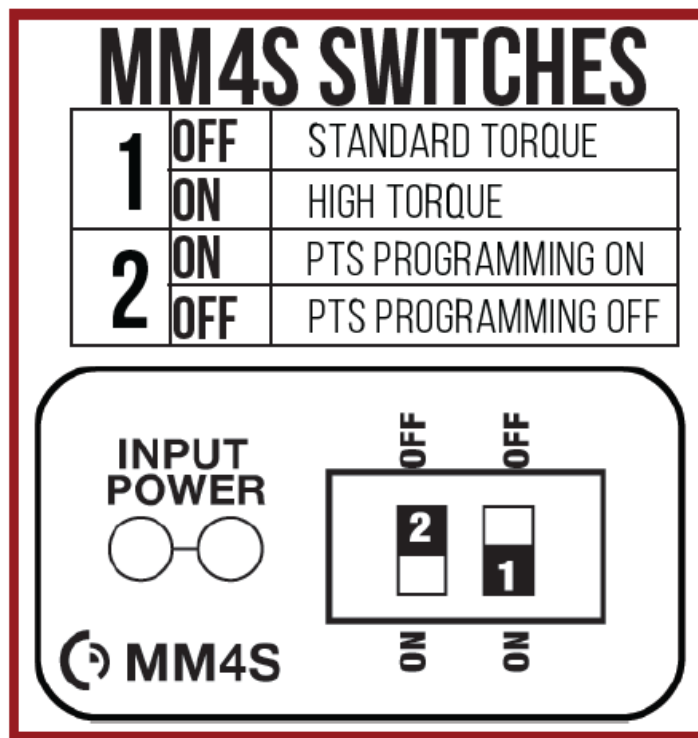
Setting PTS

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INPUT POWER

MM4S

Documents / Resources

COMMAND ACCESS MLRK1 Motorized Latch Retraction Kit [pdf] Instruction Manual
MLRK1 Motorized Latch Retraction Kit, MLRK1, Motorized Latch Retraction Kit, Latch Retraction Kit, Retraction Kit

References

- ☉ **Home | Command Access Technologies**
- **User Manual**