COMMAND ACCESS TECHNOLOGIES MLRK1-MRK Electronic Motor Driven Latch Retraction Pullback Instruction Manual

Contents

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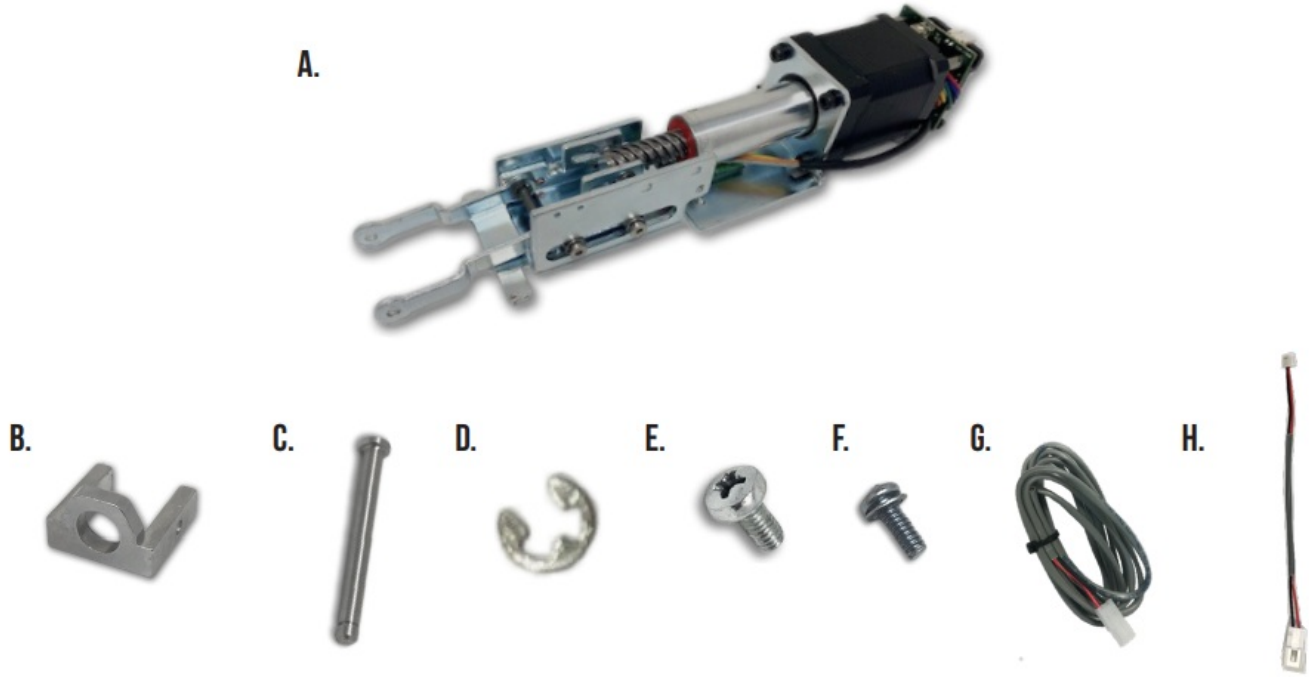
INSERT INSTRUCTIONS

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

- LRK1-MRK – Marks M9900 series devices
- MLRK1-DH – Design Hardware 1000 series device

Kit Includes



- A. (1) 60412 – MLRK1-MRK
- B. (1) 51023 – Connecting Bracket
- C. (1) 51048 – Connecting pin

- D. (3) 40067 – E-CLip
- E. (2) 40929 – M4 Phillips Flat Head Screw
- F. (1) 40442 – Position set screw
- G. (1) 50030 – 8’ Lead w/ VD Connector
- H. (1) 50944 – MOLex pigtail

SPECIFICATIONS

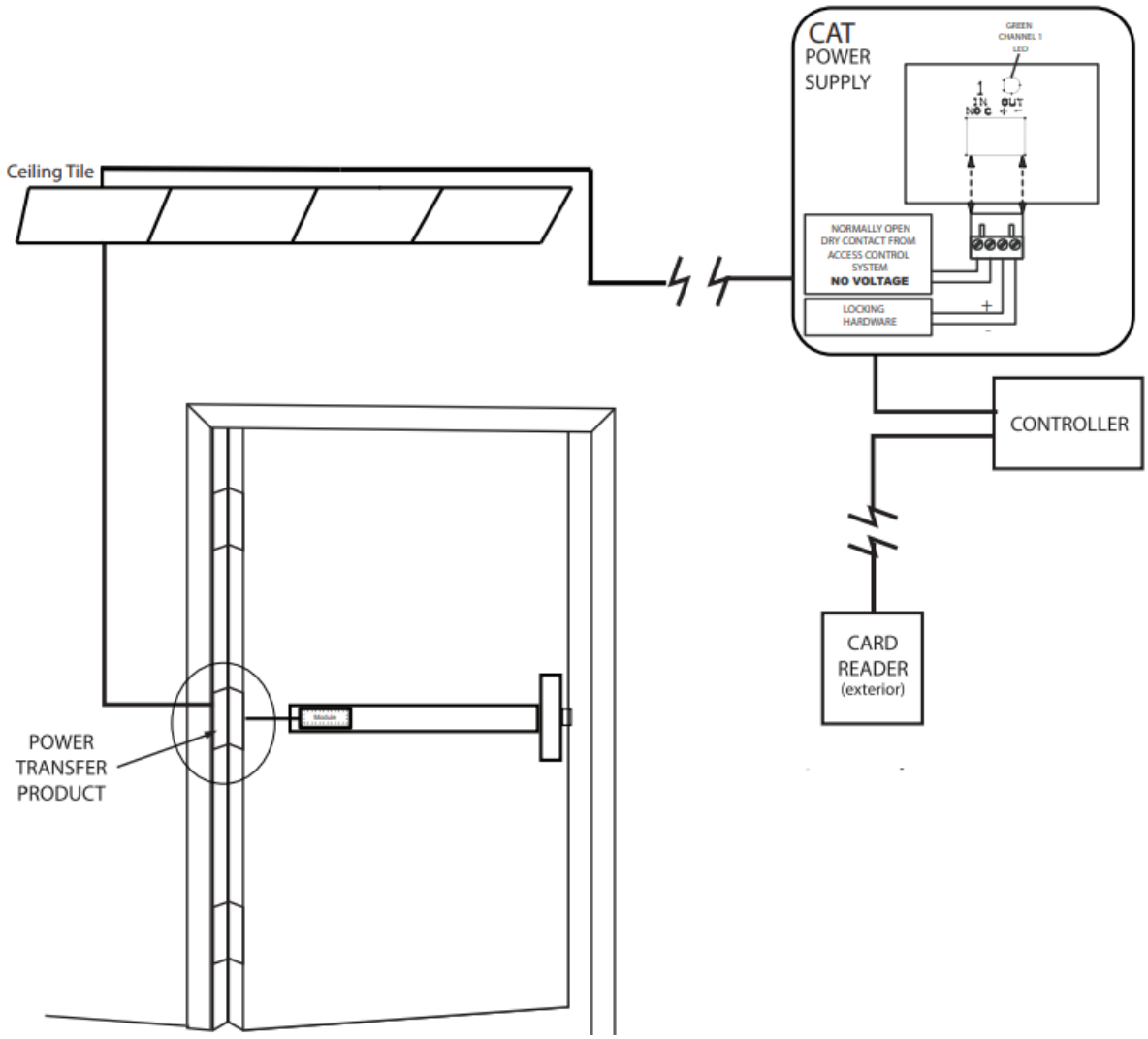
- Input Voltage: 24VDC +/- 10%
- AVERAGE low Torque LATCH RETRACTION CURRENT: 900 mA
- Average high torque latch retraction current: 2A
- Average holding current: 215 ma
- Wire gauge: Minimum 18 gauge
- Direct wire run – no relays or access control units in-between power supply & module

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)

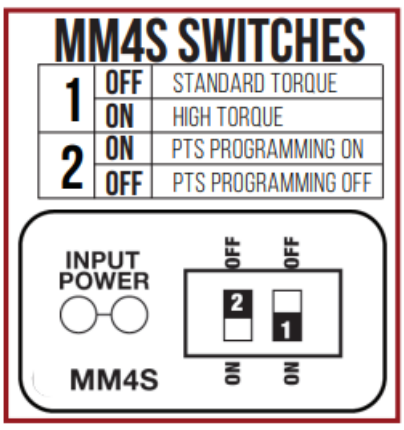
Technical Information



Setting PUSH TO SET (PTS)

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.

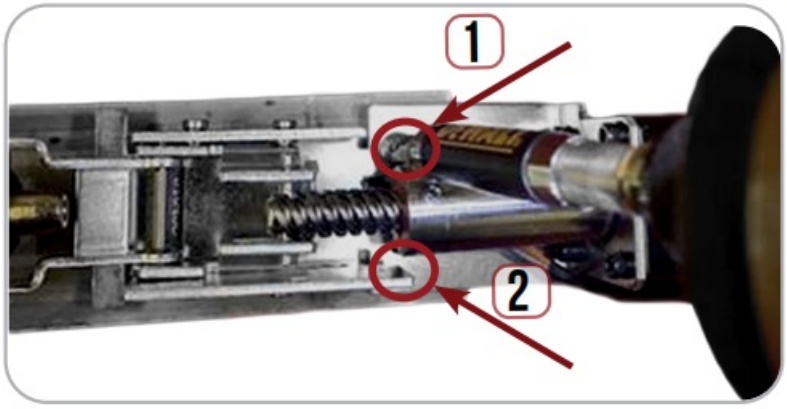


Troubleshooting & Diagnostics

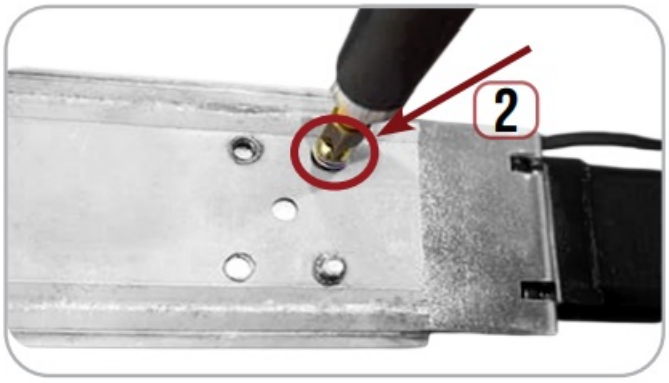
Beeps	Explanation	Solution
2 Beeps	**Over Voltage**	> 30V unit will shut down. Check voltage & adjust to 24 V.
3 Beeps	**Under Voltage**	< 20V unit will shut down. Check voltage & adjust to 24 V.
4 Beeps	**Failed Sensor**	Verify all 3 sensor wires are installed correctly. Replace sensor if problem persists by contacting office.
5 Beeps	**Retraction or dogging failure**	**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

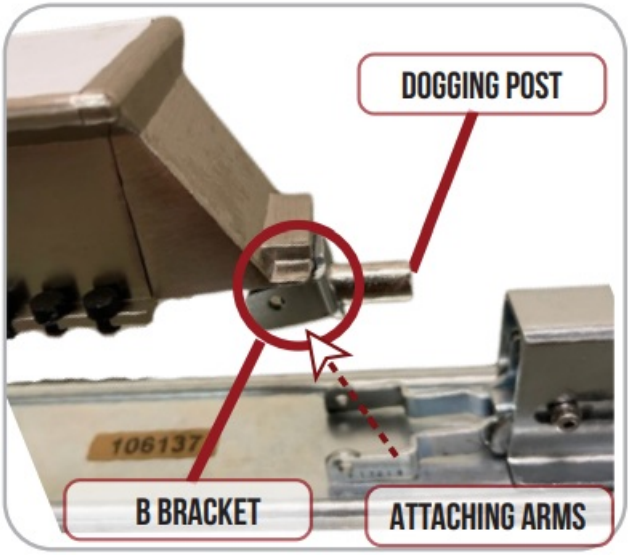
1. Slide off push pad assembly from exit device.



2. Line up Mounting Holes on Motor Kit with screw holes on Spacer/Base Rail. Install screw (E) into hole #1 from top of baseball.



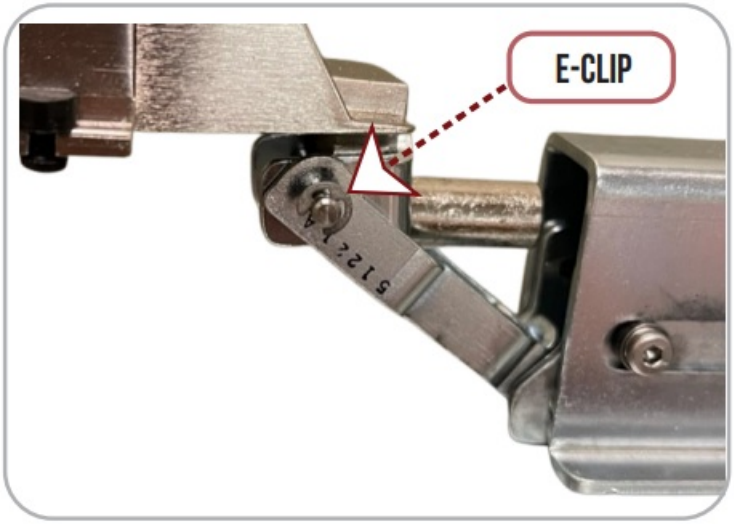
3. Turn full assembly to the side & install (E) Screw from underneath into hole #2 to secure motor kit to Base Rail.



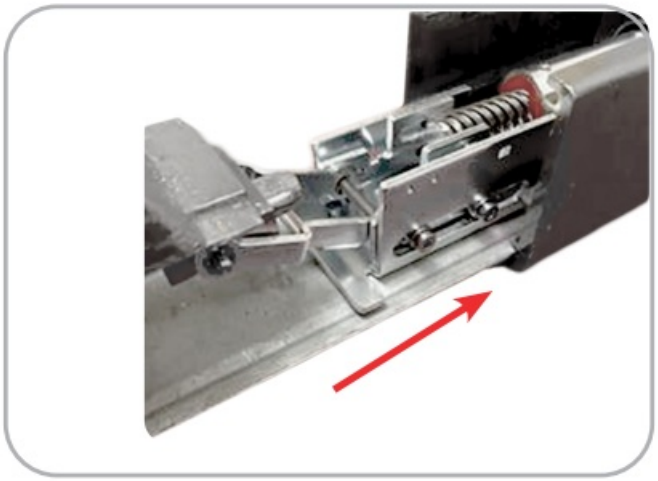
4. Slide the (B) Connecting Bracket over the Dogging post at the end of the push pad. Next, move Attaching Arms

on motor kit up to line up with holes on B Bracket.

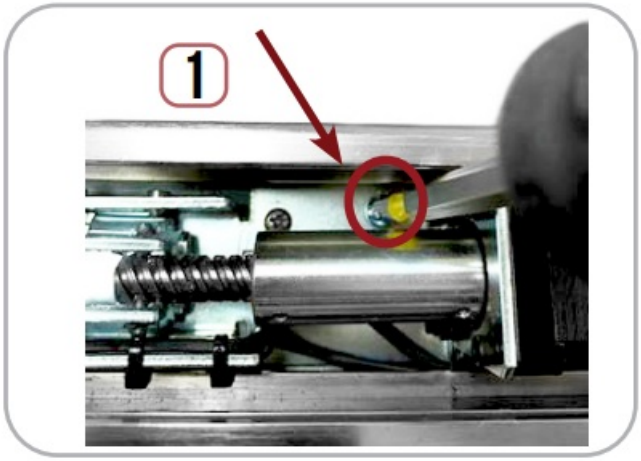
5. Once Attaching Arms are lined up insert (C) PIN to connect to (B) bracket.



6. Install the (D) E-CLIP over the end of the link pin to secure.

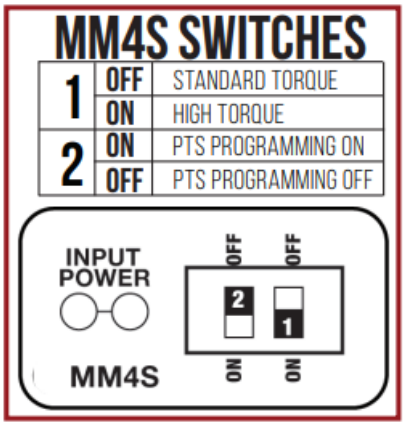


7. Re-install Base Rail into Housing.



8. On the Baserail, locate and secure the (F) Position Set Screw.

9. Set the “Push to Set Adjustment” following the steps on page 2.



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U.S. Customer Support
1-888-622-2377
Visit our website for more details
www.commandaccess.com
Canada Customer Support
1-855-823-3002

Documents / Resources

	COMMAND ACCESS TECHNOLOGIES MLRK1-MRK Electronic Motor Driven Latch Retraction Pullback [pdf] Instruction Manual MLRK1-MRK, Electronic Motor Driven Latch Retraction Pullback, MLRK1-MRK Electronic Motor Driven Latch Retraction Pullback, Motor Driven Latch Retraction Pullback, Driven Latch Retraction Pullback, Latch Retraction Pullback, Retraction Pullback

References

- Command Access Technologies