FLR2298

(Previously CRLP98-UL-M-KIT)

INSTALLATION INSTRUCTIONS

The FLR298 is a fiels installable motorized latch-pullback kit for the Cal-Royal 9800/2200 series exit devices

A.

B.

C.

D.

KIT INCLUDES | TOOLS REQUIRED

A. 1- Motor Mount
B. 2- Phillips Screws
C. 1- 5/64" Allen Wrench
D. 1- 8' Lead

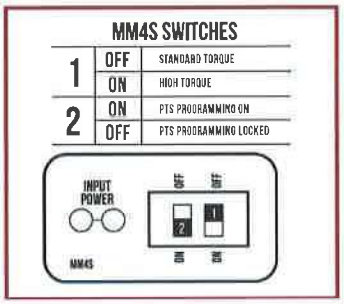
#2 Phillips head screwdriver

CAL-ROYAL PRODUCTS, INC.
6605 Flotilla St. Commerce CA 90040 USA
Tel: (323)8-601; Fax: (323)8-699
Email: sales@cal-royal.com; Website: www.cal-royal.com

TECHNICAL INFORMATION

MM4S VIDEO

SPECIFICATIONS



- Input Voltage: 24VDC +/- 10%
- Wire gauge: Minimum 18 gauge
- Direct wire run - no relays or access control units in-between power supply & module

STANDARD TORQUE MODE
Average Latch Retraction Current: 1 Amp
Average Holding Current: 215 mA

HIGH TORQUE MODE
Average Latch Retraction Current: 2 Amp
Average Holding Current: 250 mA

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).

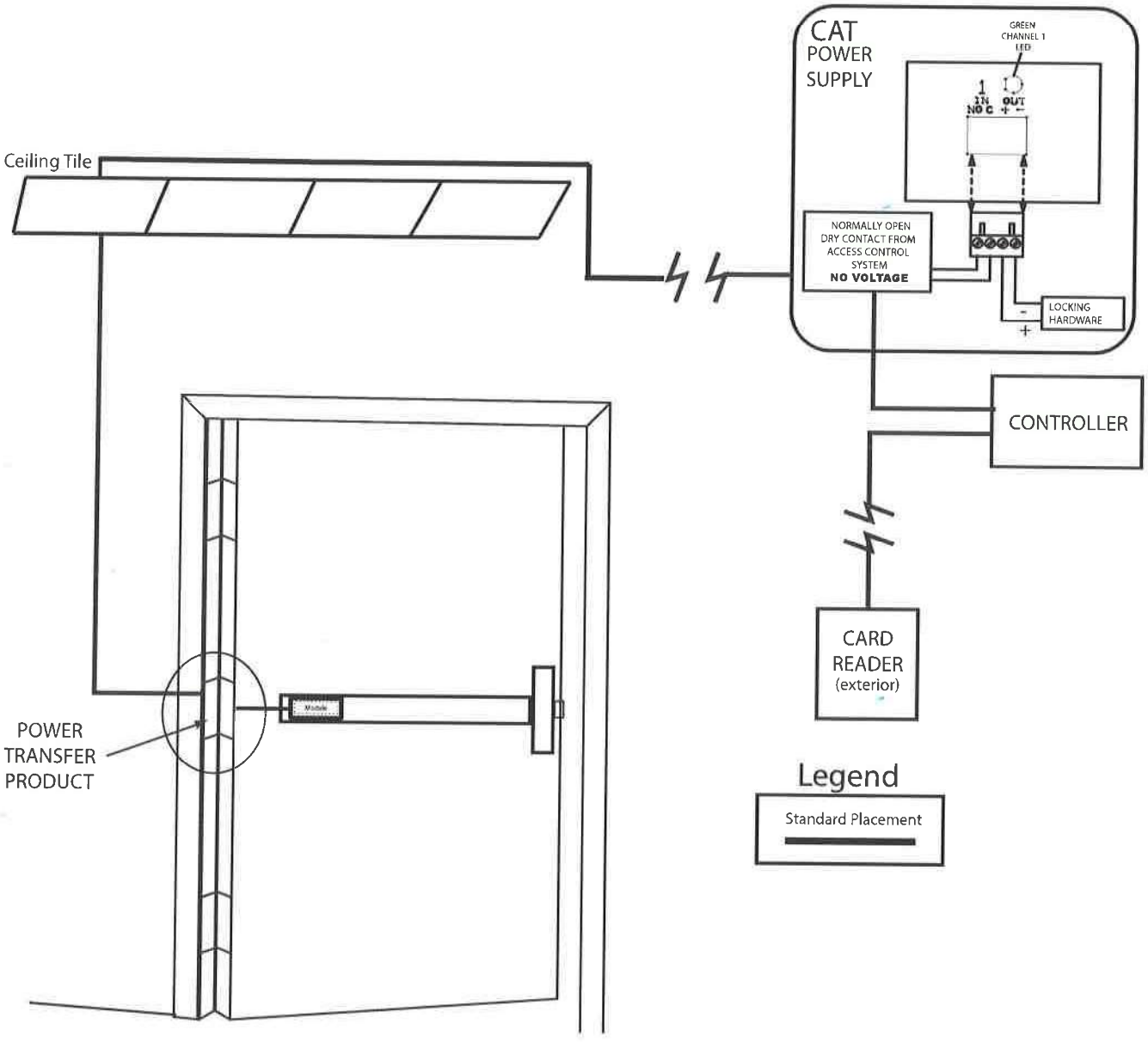
STEP 3 • Continue to keep pad depressed, the device will beep 6 times. After the beeps have stopped, release the pad and now the adjustment is complete. If not to your liking repeat the 3 steps.

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.

ELECTRIFIED EXIT DEVICE

INSTALLATION EXAMPLE



RECOMMENDED POWER SUPPLIES:

All exit devices & field installable kits have been thoroughly cycle tested with our power supplies at our factory.

For more information click here or go to our website

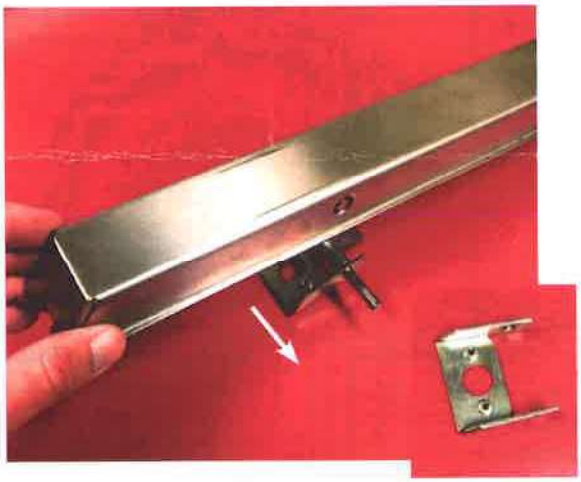
STEP 1 - Disassemble Exit Device

1. Remove (4) screws on the back of the exit device.

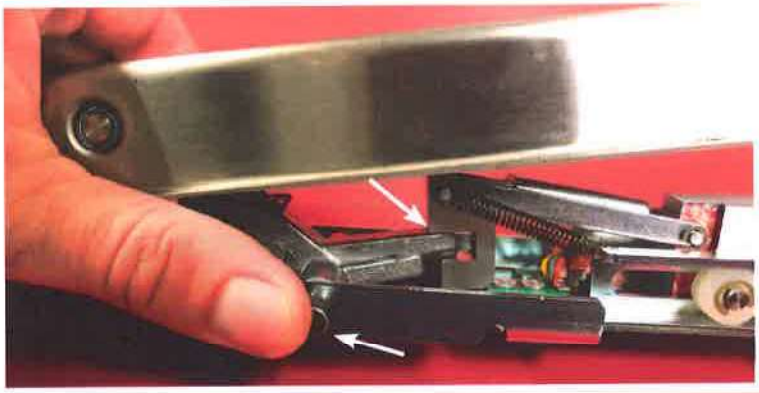
2. Flip the device back over & slide off push pad.

3. Remove push pad from device.

4. Remove front mounting bracket by sliding out pin.



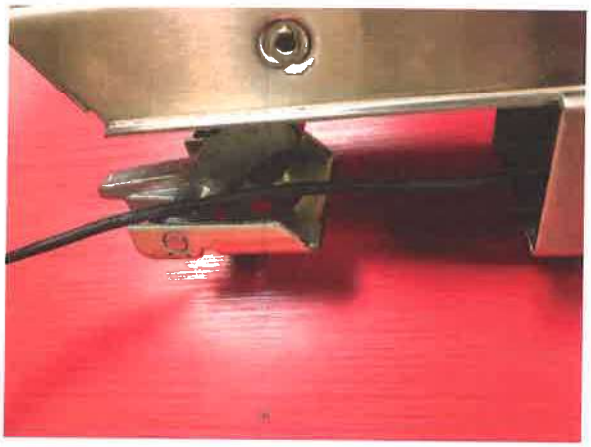
5. Place attaching knuckle on back activating bracket and re-insert pin into the activating bracket.



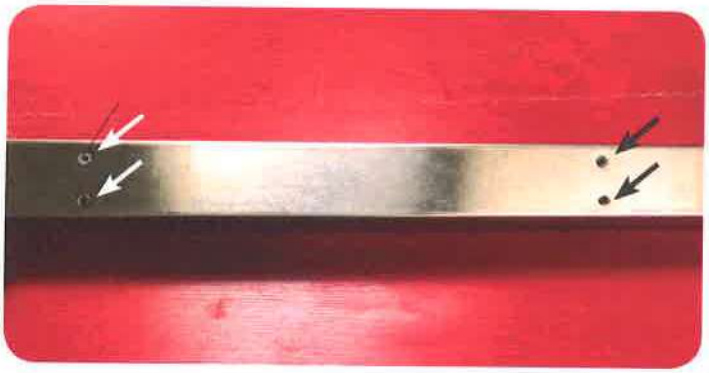
6. Using the allen wrench provided secure attaching kuckle.

7. Now with the motor kit installed slide the push pad back into the exit device housing.

8. Make sure to route power wires over the back activating bracket.



9. Add bracket #50453 to front activating bracket. Dropping it over the top and securing it with the screw provided.



10. Flip the device over & set the PTS by following the steps below.

SETTING PTS

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 three steps.

STEP 4- Once you found the correct location, flip the dip switches to off to lock programming.

MM4S SWITCHES

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