

M9143ELR OPERATING INSTRUCTIONS

ACSI 1500MLR

M9143ELR MOTOR DRIVE ELECTRIFIED LATCH RETRACTION

Furnished standard with LB Locking Bar Monitor.

Latch bolt by handle either side unless outside handle is locked by thumb turn or key.
 Rotating thumb turn locks outside handle and deactivates outside push paddle for privacy.
 Thumb turn and key lock or unlock outside handle.
 When outside handle is locked, key retracts latch bolt.
 Auxiliary latch deadlocks latch bolt. Outside handle unlocks when inside handle is turned or door closes and reactivates outside push paddle. Inside handle always free for egress.
 Inside wired push paddle always free for egress.

KEY FUNCTION

The main latch bolt may be momentarily retracted with a key.

ELECTRICAL SPECIFICATIONS

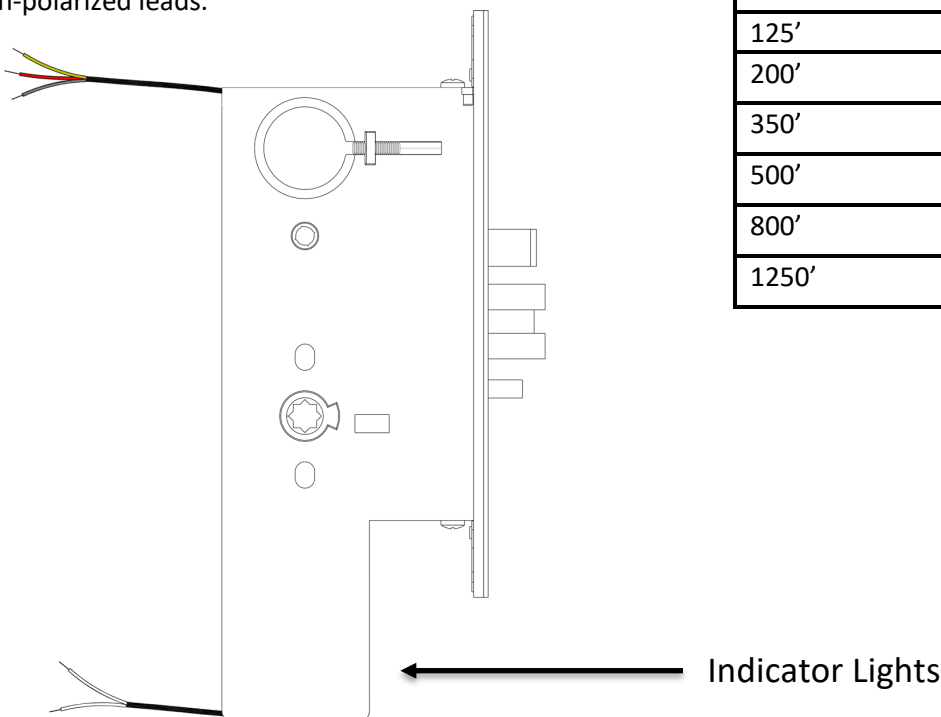
Filtered and Regulated Power Supply.

VOLTAGE: 24VDC (21VDC – 30VDC)

CURRENT: 625 mA MAX Inrush, 150 mA MAX Holding

Non-polarized leads.

2 Conductor Wire Run	
Distance	Wire Gauge
125'	22
200'	20
350'	18
500'	16
800'	14
1250'	12





ONBOARD INDICATOR LIGHT ASSIGNMENTS

Maintain input power to the mortise lock and check the onboard indicator lights. Remove input power before attempting a solution.

GREEN (POWER)	YELLOW (SENSOR)	RED (ERROR)	INDICATION	POSSIBLE SOLUTION
Off	Off	Off	No Power.	Connect the wiring between the power supply and the mortise lock.
On	On	Off	Normal Operation. The main latch bolt is retracted to the preset retracted position. The device is allowed 2 attempts.	
On	Off	On	Error in operation. The main latch bolt did not retract to the preset retracted position within 2 attempts	Clear the jam condition manually.
On	On	On	Error in operation. Without power being removed, the main latch bolt unintentionally extended from the preset retracted position, and then the main latch bolt did not retract back to the preset retracted position within 2 attempts.	Clear the jam condition manually.
On	Blink	On	Error in operation. The main latch bolt did not extend from the preset retracted position when the power was last removed. The device will not attempt a retraction.	Clear the jam condition manually.
On	Simultaneous Blink		Error in operation. The input voltage dropped below the specification during operation.	Decrease the wire run or increase the wire gauge.
On	Alternating Blink		Error in operation. An electronics fault was detected.	An electronics replacement is required.

M9143ELR-LB OPERATING INSTRUCTIONS

Mortise lock with Locking Bar (LB) Monitoring.

LB - LOCKING BAR MONITORING

The LB switch monitors the position of the locking bar.
Furnished standard on the M9143ELR.

ELECTRICAL SPECIFICATIONS

SPDT Mechanical Switch

<u>VOLTAGE</u>	<u>CURRENT</u>
125 VAC	1 AMPP
30 VDC	0.5 AMP

NOTE: Mainly used as a dry contact monitoring switch.

WIRING DIAGRAM

BROWN WIRE – Common

RED WIRE – Open Loop Secure

GREEN WIRE – Closed Loop Secure

