

M9100E-ELR OPERATING INSTRUCTIONS

MOTOR DRIVE ELECTRIFIED DUAL MOTOR MORTISE LOCK

M9158E-ELR + M9159E-ELR: Mortise lock with motorized locking/unlocking (Fail safe or fail secure) with motor drive electric latch retraction.

Key Cylinder (by others) will override electronics to retract latch bolt.

ELECTRICAL SPECIFICATIONS

Motor Electric Controlled Locking/Unlocking (**Blue** Leads)

Voltage: 12-24V AC/DC (11V-30V)

Current: 250mA MAX Inrush, 10mA MAX Holding

Non-polarized leads

Motor Drive Electric Latch Retraction (**White** Leads)

Filtered and Regulated Power Supply

Voltage: 24VDC (21VDC-30VDC)

Current: 625mA MAX Inrush, 150mA MAX Holding

Non-polarized leads

2 CONDUCTOR WIRE RUN	
DISTANCE 12V/24V	WIRE GAUGE
125'/250'	22
200'/400'	20
300'/600'	18
500'/1000'	16
750'/1500'	14
1250'/2500'	12

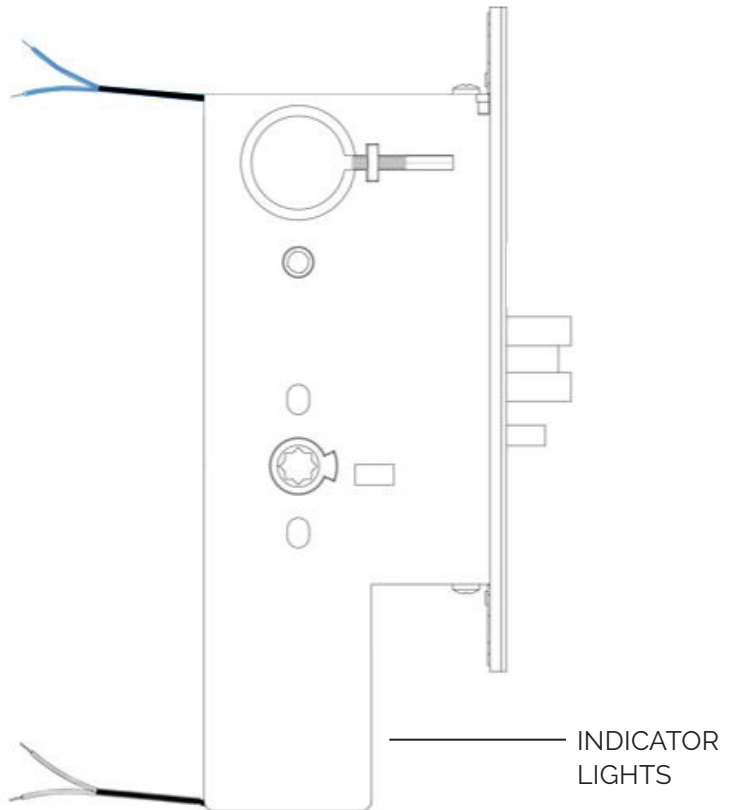
Lock is furnished as FAIL SECURE and can be changed to FAIL SAFE via the switch on the front. Cycle power once after switching from one function to the other.



TOGGLE

GREEN:
FAIL SAFE

YELLOW:
FAIL SECURE



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ONBOARD INDICATOR LIGHT ASSIGNMENTS				
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.

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