

# E-M SERIES ELECTRIC MORTISE LOCK INSTRUCTIONS

## MOTOR-CONTROLLED ELECTRIC LOCKING/UNLOCKING

### Fail Safe (Power Lock):

Outside trim (or both outside and inside trim depending on the lock function) is locked when power is applied and unlocked when power is removed. Lockset will unlock in the event of a power failure.

### Fail Secure (Power Unlock):

Outside trim (or both outside and inside trim depending on the lock function) is unlocked when power is applied and locked when power is removed. Lockset will lock in the event of a power failure.

### Key Function:

The latch bolt may be momentarily retracted with a key even though the lockset is electrically locked.

### Electrical Specifications:

Voltage: 12-24V AC/DC (11V - 30V)  
 Current: 250mA MAX Inrush, 10mA 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

### Switch Slider Settings:

Yellow: Fail Secure  
 Green: Fail Safe

**Note: Power must be cycled to the lock after a switch slider setting change.**

