ML-650 Electric Lock (with Mechanical Override) Installation Instructions

Specifications

Lock Mode: Fail-Secure

Operating Voltage: 12~24VDC

Ourrent Draw: 600mA / 12VDC, 300mA / 24VDC

Operating Temperature: -10°C~+49°C

• Humidity: 0~85% non-condensing

Preload: 300 lbs of pressure strength

Latch Throw: 13mm

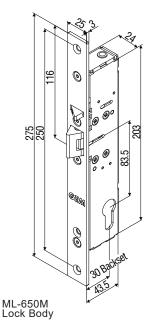
Solenoid Testing: Tested up to 250,000 cycles

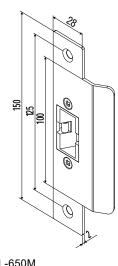
Relock Delay Time: 3 seconds

Optional Cylinder: EYC-72

Dimensions

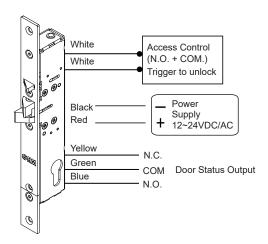
Unti:mm



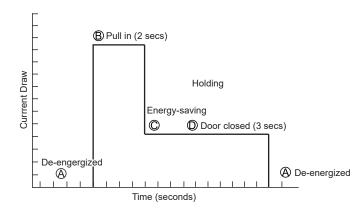


ML-650M Strike Plates

Wiring Diagram



Circuit Description



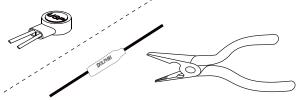
- A. De-energized: Door is in locked status.(Operating in fail-secure mode)
- B. Pull-in:The electric lock is energized through access control devices.

 (Please refer to the wiring diagram)
- C. Energy-saving: After supplying power to unlock for 2 seconds, the current draw will drop to save energy. During this time, the electric lock remains unlocked.
- D. Door closed:

After door is closed, the NIB (deadlatch) will will retract into the lock housing and press the internal micro switch. After door keeps closing for 3 seconds, the lock will be completely de-energized and the door will remain locked.

(Without keeping door closed for 3 seconds, the electric lock will not be de-energized and remains unlocked.)

Using crimper or pliers and pressing the header of connector down to even position.



Door Preparation

