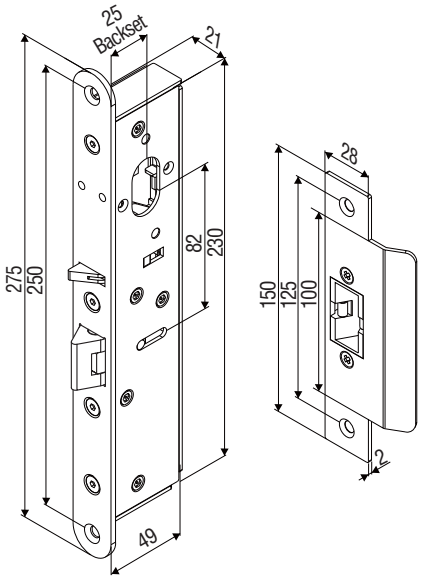
ML-755M Series Electro-Mechanical Lock
Installation Instruction

Specification

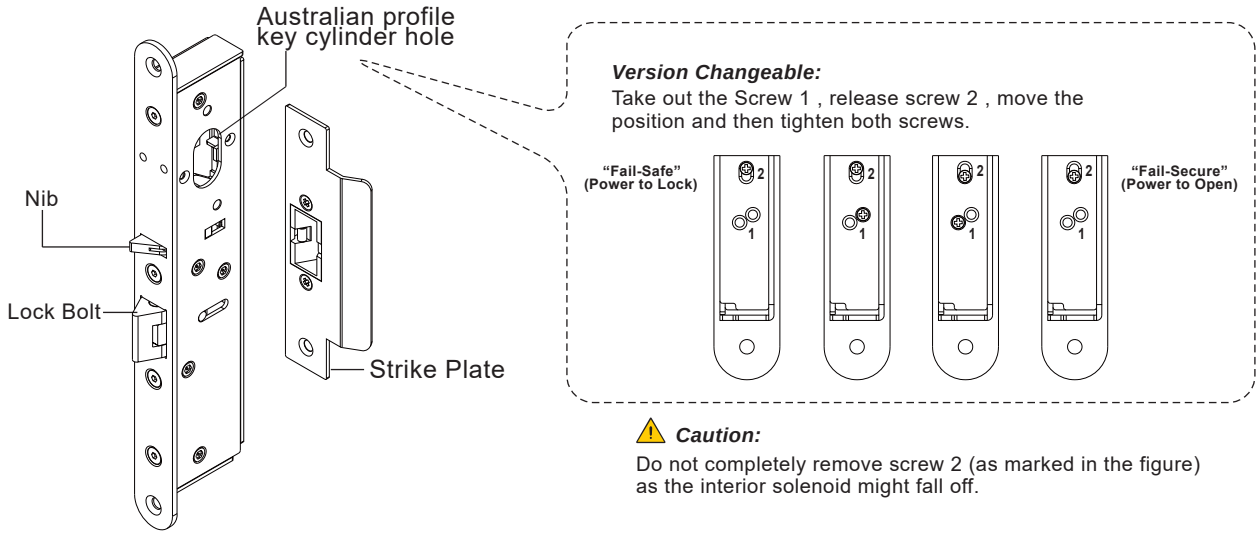
- Operating Voltage: 12~24VDC/AC ±10%
- Current Draw: 250mA/12VDC; 150mA/24VDC
- Operating Temperature: 14°F to 120°F (-10°C~+49°C)
- Humidity: 0~85% non-condensing
- Version Changeable: Fail-safe or Fail-secure
- Lock bolt sensor switch output: SPDT, 3A/125VAC
- Latch Throw:13mm
- Solenoid testing: Tested to 250,000 cycles
- Resistance against door being forced :
  1500 lbs (static force); 70 ft-lbs (dynamic force)
- Backset: 25mm

Dimension

Unit: mm

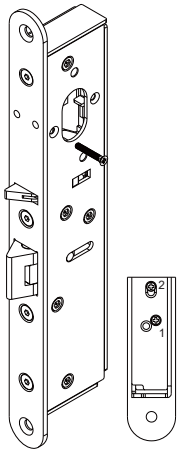


Packing Contents

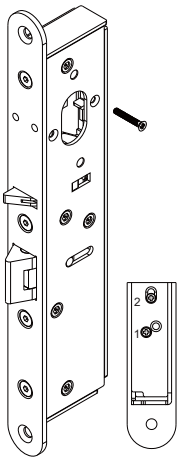


Stud Bolt Position

For fail-safe mode



For fail-secure mode



 P-MU-ML-755 Published: 2020.12.09

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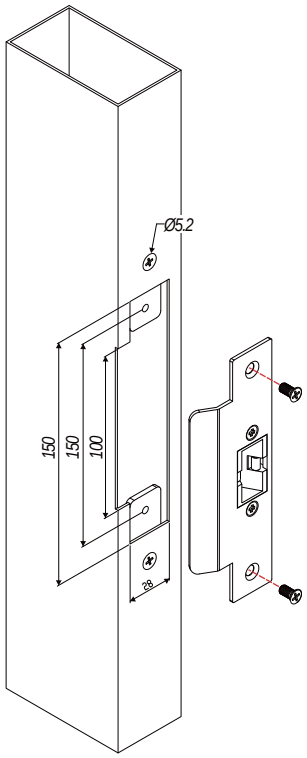
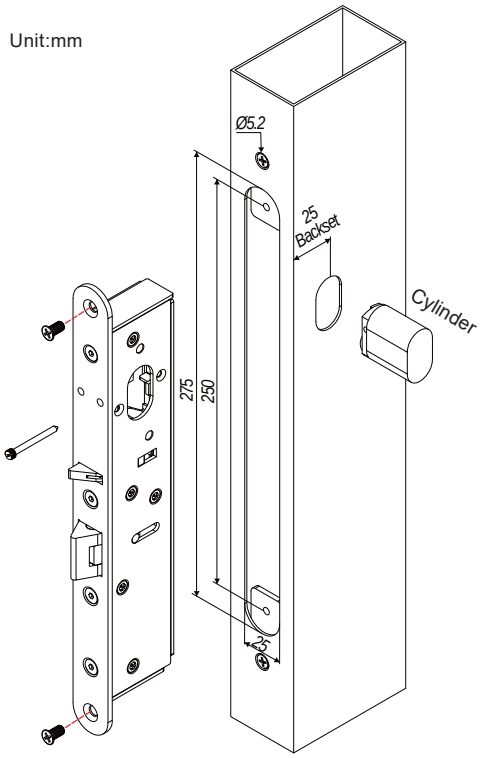
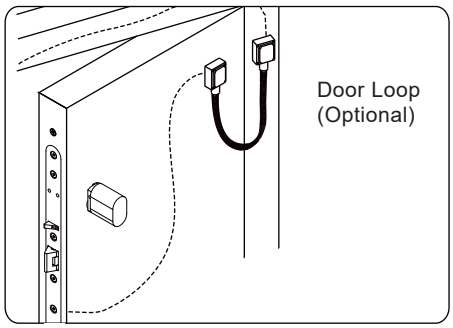
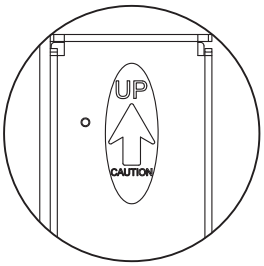


Unit:mm



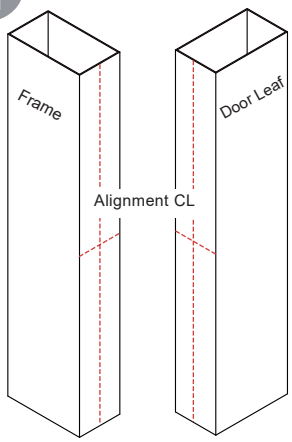


The door loop protects the wiring from damage at the door hinge.



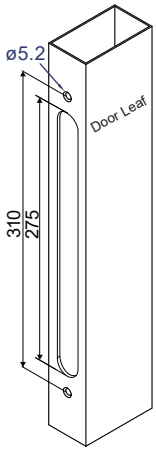
Attention! Please ensure that the direction of the template is correct

1



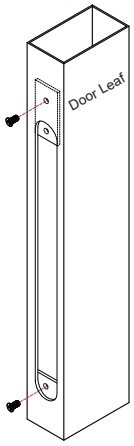
Align the center line (CL) of the lock body template with the CL of the door leaf. Ensure the CL of the strike plate template matches the lock body CL as closely as possible.

2



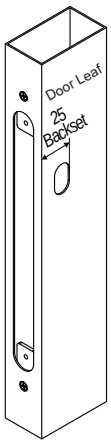
Cut out mortise holes for the lock body and strike plate and drill holes according to the templates.

3



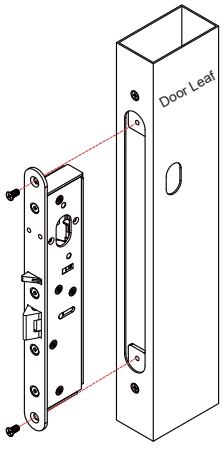
Tighten the fixing lugs with screws.

4



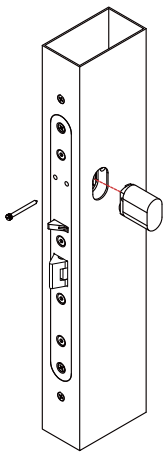
Drill and cut the hole for the lock cylinders as shown in the template.

5



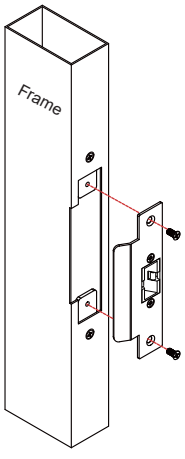
Connect power cable to the lock and test before screwing to the door leaf.

6



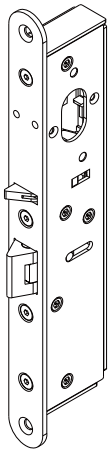
Install the cylinder

7

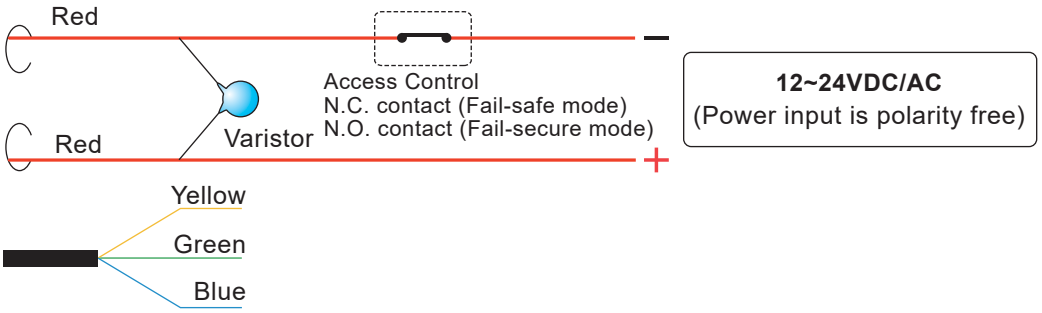


Fix the strike plate.

Wiring Diagram



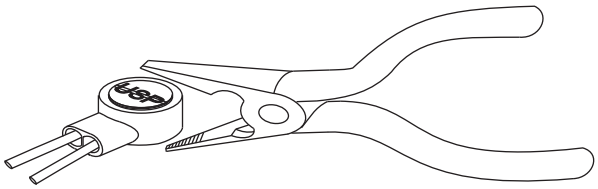
For the 12~24VDC/AC operation only



Lock bolt sensor switch output: SPDT, 3A/125VAC

NOTE: The varistor (or diode) must be connected across the terminals as shown above. This protects the electromechanical lock from spikes and surges.

Butt Splice (IDC) Connector



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

