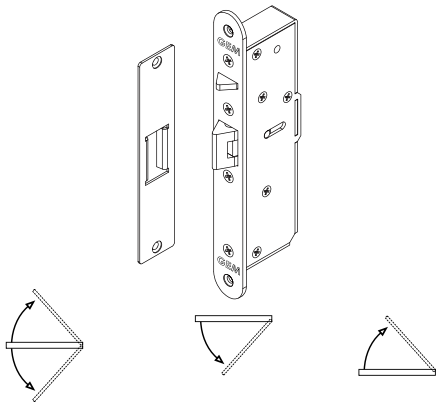
ML-210N-SW Electric Lock Installation Instructions

Specifications

- Operating Voltage: 12~24VDC/AC
- Voltage Tolerance: ±10%
- Current Draw: 250mA/12VDC; 150mA/24VDC
- Version Changeable: Fail-safe or Fail-secure
- Operating Temperature: 14°F to 120°F (-10°C~+49°C)
- Humidity: 0~85% non-condensing
- Lock bolt sensor switch output (For ML-210N-SW): SPDT rated 3A/125VAC
- Solenoid testing: Tested up to 1,000,000 cycles
- Net Weight: 594g
- Applicable to horizontal and vertical installation

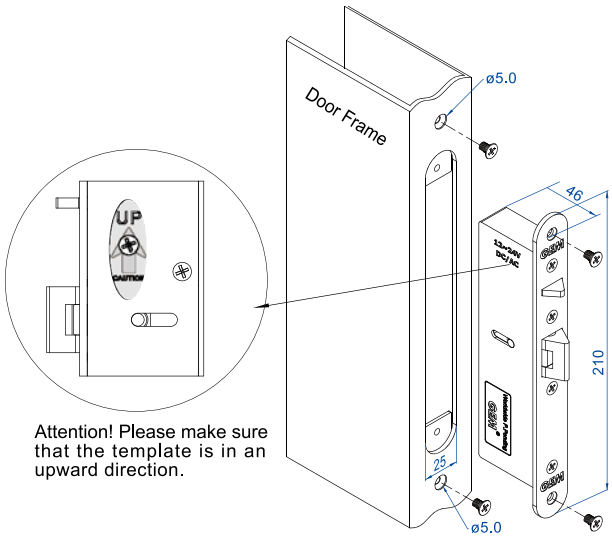
Double Swing Doors



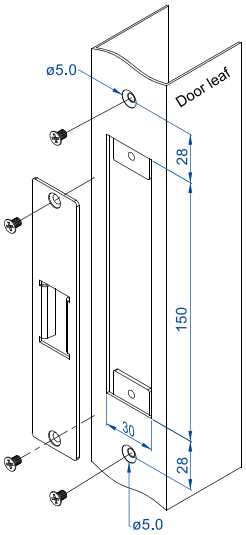
Double swing door Outswing Inswing

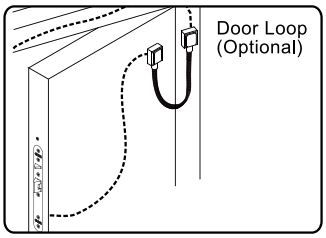
Installation Instructions

Unit:mm

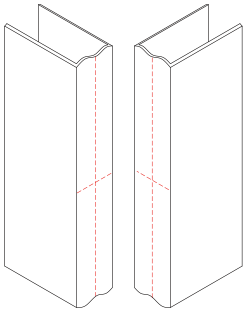


Attention! Please make sure that the template is in an upward direction.

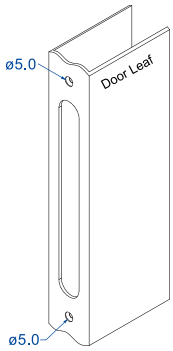




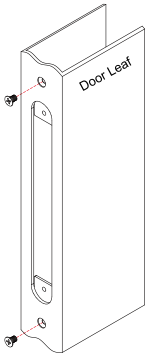
The door loop protects the wiring from damage at the door hinge.



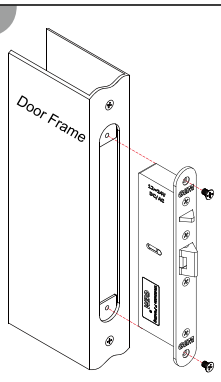
1 Align the centre line (CL) of the lock body template with the CL of the door leaf. Make sure the CL of the strike plate template aligns with the lock body CL.



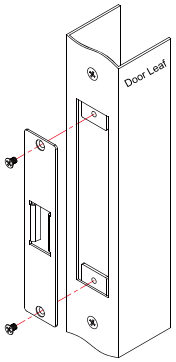
2 Cut out mortise holes for the lock body and strike plate and drill holes according to the templates.



3 Tighten the fixing lugs with screws.

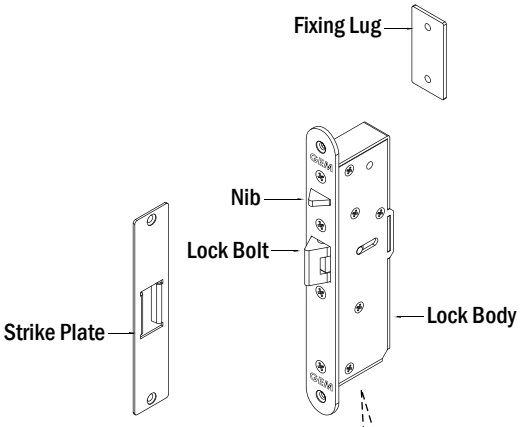


4 Connect power cable to the lock and test before screwing to the door leaf.



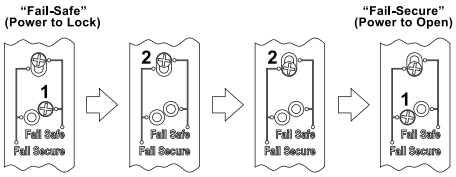
5 Affix the strike plate.

Installation Diagram



Version Changeable:

Take out the Screw 1 , **loosen** the screw 2 , move the position and then tighten both screws.

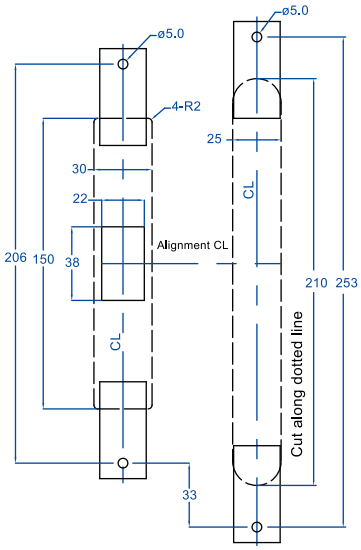


⚠ ***Caution:***

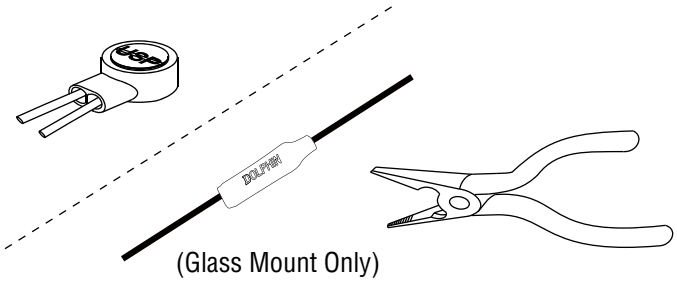
Do not completely loosen screw 2 (as shown in the figure) as the interior solenoid might fall off.

Template

Unit:mm



Butt Splice (IDC) Connector

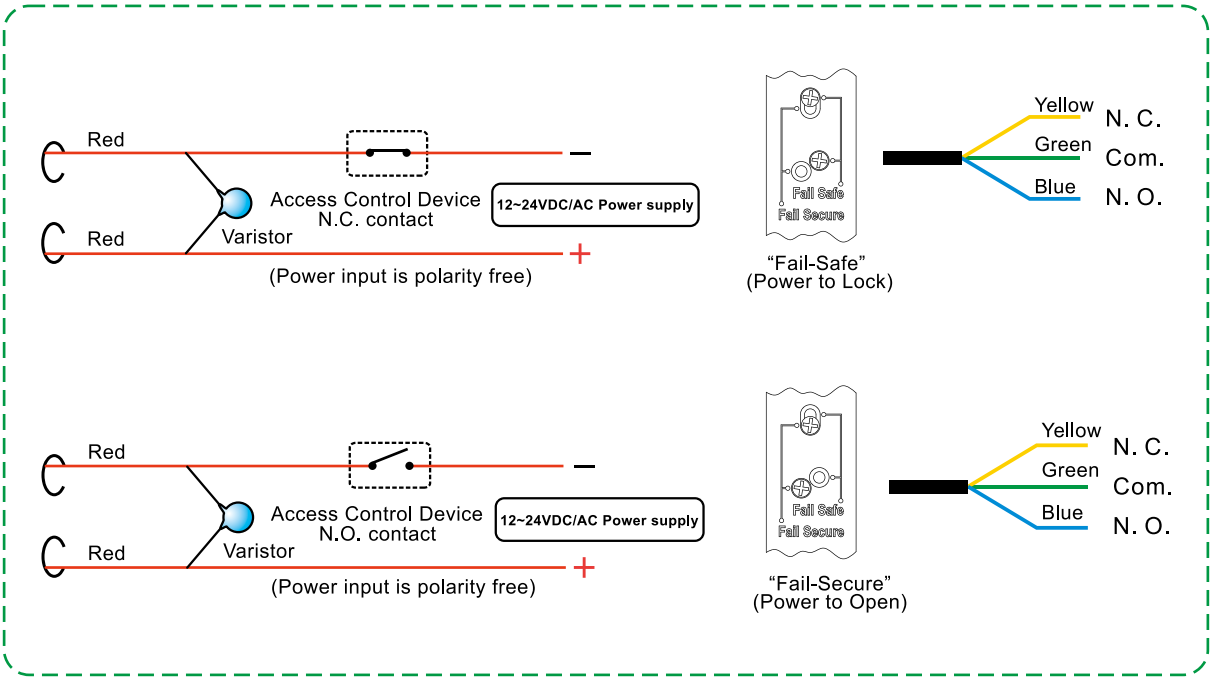


(Glass Mount Only)

Use crimper or pliers and press the header of connector down to even position.

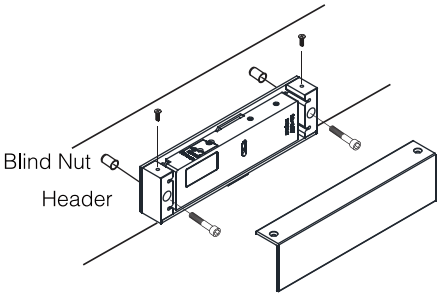
Wiring Diagram

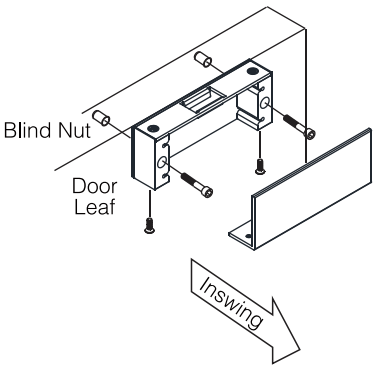
◉ Optional Lock Bolt Sensor (LBS) Status Output:
With LBS output: ML-210N-SW
Without LBS output: ML-211-SW



NOTE: The varistor (or diode) must be connected across the terminals of electric locks. This protects the electromechanical locks from spikes and surges.

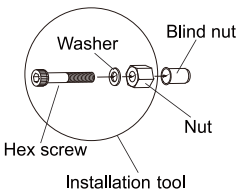
Surface Mount Installation





Installing Blind Nuts

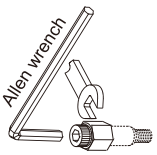
1



2

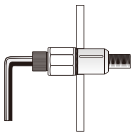
Drill a 9.4mm hole and hammer the blind nut assembly into the hole.

3



Use a wrench or vice-grip to tightly hold the nut. Then use the included Allen wrench to slowly tighten the screw until it does not turn any further.

4



This compresses the blind nut so that it remains permanently fixed in the hole.

5

Remove the installation tool from the blind nut. Repeat step 2 through 4 for the other blind nuts.

6