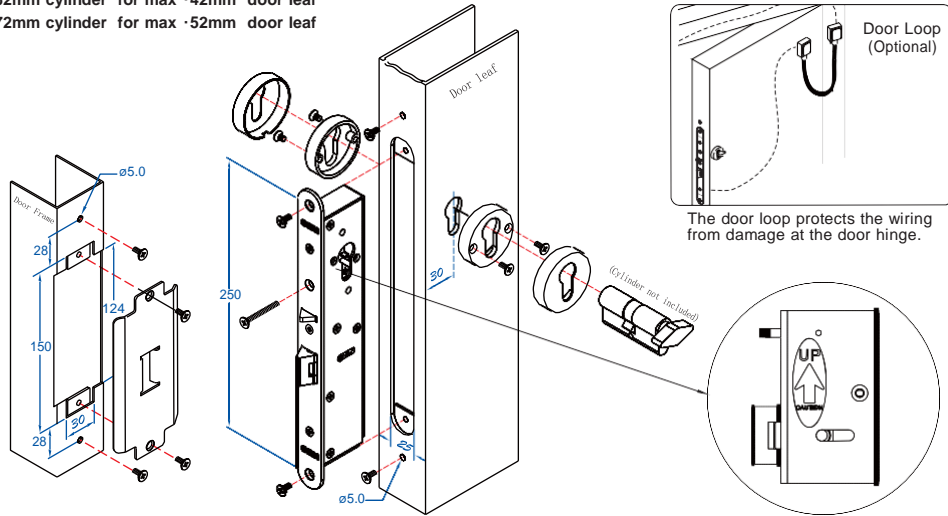


Installation Instructions

Unit:mm

62mm cylinder for max ·42mm door leaf
72mm cylinder for max ·52mm door leaf



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

<p>1</p> <p>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.</p>	<p>2</p> <p>Cut out mortise holes for the lock body and strike plate and drill holes according to the templates.</p>	<p>3</p> <p>Tighten the fixing lugs with screws.</p>	<p>4</p> <p>Drill and cut the hole for the lock cylinders as shown in the template.</p>
<p>5</p> <p>Connect power cable to the lock and test before screwing to the door leaf.</p>	<p>6</p> <p>Attach the cover plates for the cylinder lock.</p>	<p>7</p> <p>Install the cylinder.</p>	<p>8</p> <p>Fix the strike plate.</p>

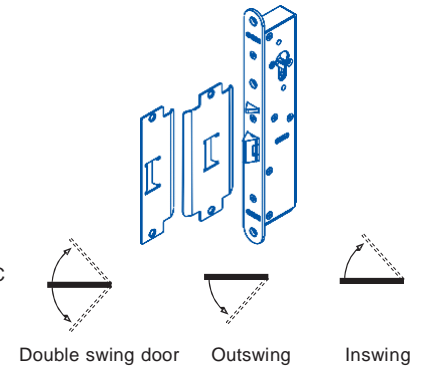
23000

Electromechanical Lock
Installation Instruction

Specification

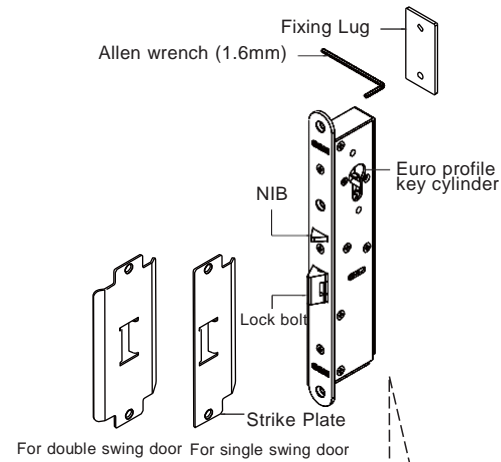
Double Swing Doors

- Operating Voltage» Ref 23000 : 12~24VDC/AC
- Voltage Tolerance» ±10%
- Current Draw» 210mA/12VDC; 150mA/24VDC
- Version Changeable» Fail-safe or Fail-secure
- Operating Temperature» -10~45°C
- Humidity» 0~95% non-condensing
- Lock bolt sensor switch output» SPDT rated 3A/125VAC
- Solenoid testing» Tested to 1,000,000 cycles
- Net Weight» ML-300: 800g / ML-300-SW: 815g
- Just applicable to vertical installation

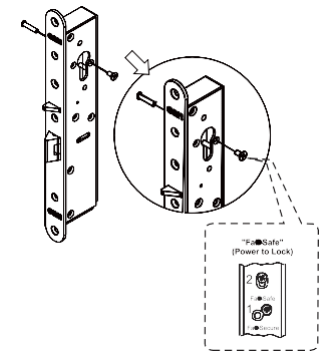


Packing Contents

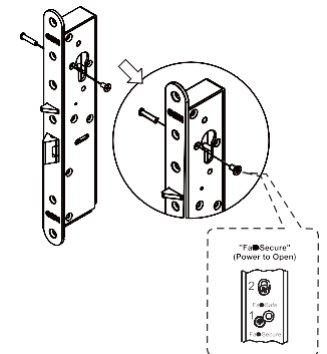
Stud bolt Position



For fail-safe mode

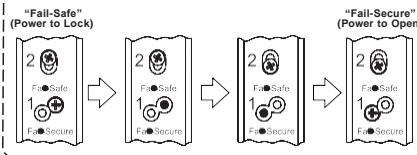


For fail-secure mode



Version Changeable:

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



⚠ Caution:

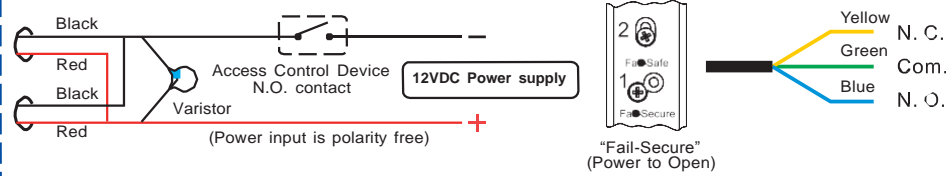
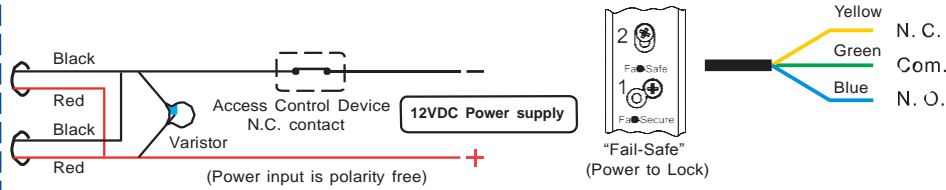
Do not completely remove screw 2 (as marked in the figure) as the interior solenoid might fall off.

Wiring Diagram

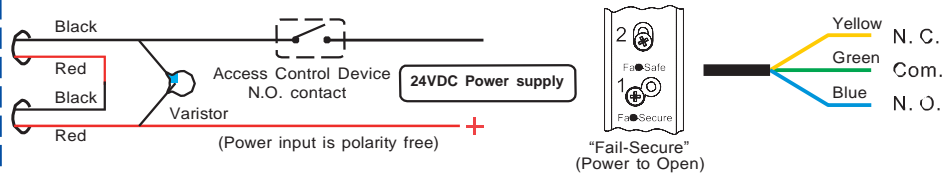
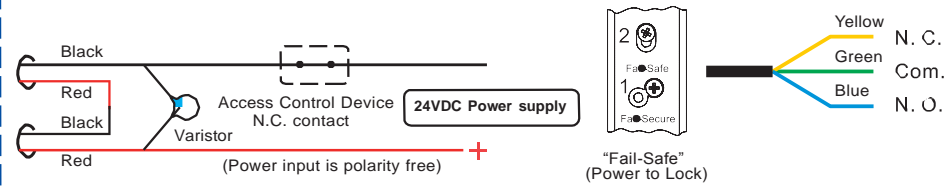
● Voltage Input: 12 or 24VDC

● Lock bolt sensor status output

For 12VDC operation, the solenoid input wires should be connected in parallel as shown below.



For 24VDC operation, the solenoid input wires should be connected in series as shown below.

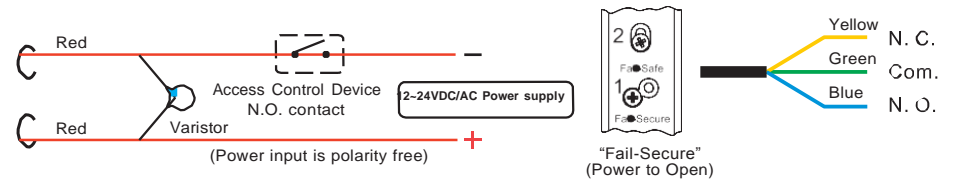
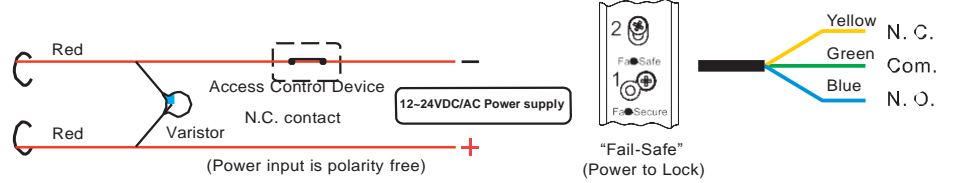


Wiring Diagram

● Voltage Input: 12~24VDC/AC

● Lock bolt sensor status output

For the 12~24VDC/AC operation only

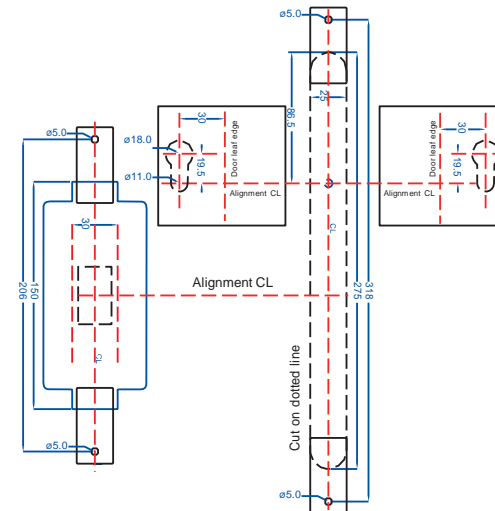


NOTE: The varistor (or diode) must be connected across the terminals as shown above. This protects the electromechanical lock from spikes and surges.

Template

Unit:mm

Butt Splice (IDC) Connector



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