

# User Manual for EM Locks

## Dimensions&Parameters

Products Series	Dimension(mm)	Voltage	Current	Weight	Package
350Lbs Series	168L/336L*40.9W*22.3H	DC12V or 24V	400mA (+/-10%) / 200mA (+/-10%)	1.14KG/2.24KG	Single Door,24pcs/carton Double Door,12pcs/carton
350Lbs PRO Series	190L/380L*41.3W*22.8H	DC12/24V	400mA (+/-10%) / 200mA (+/-10%)	1.2KG/2.4KG	

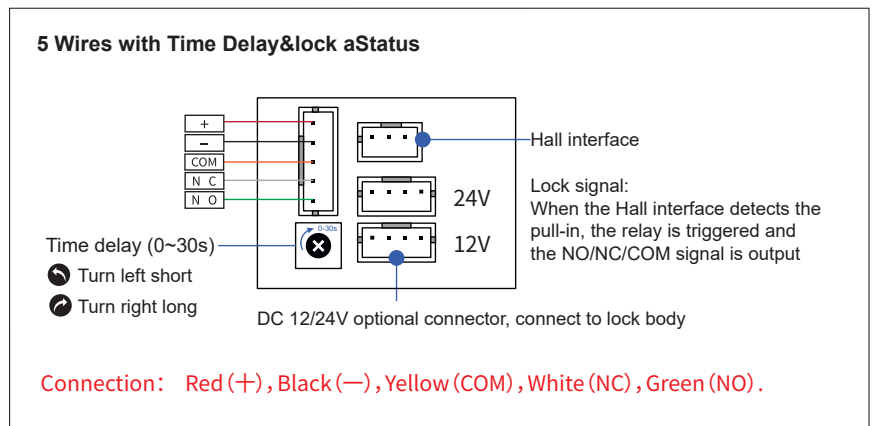
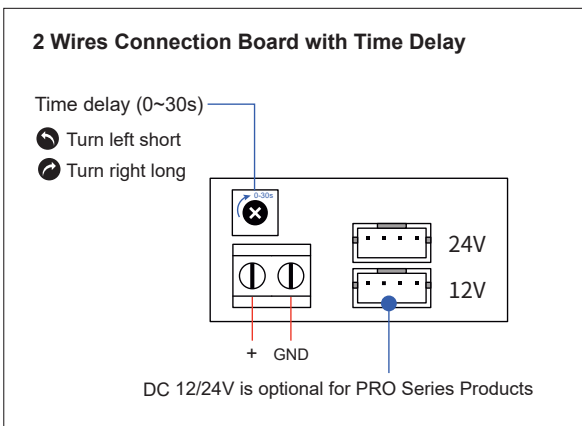
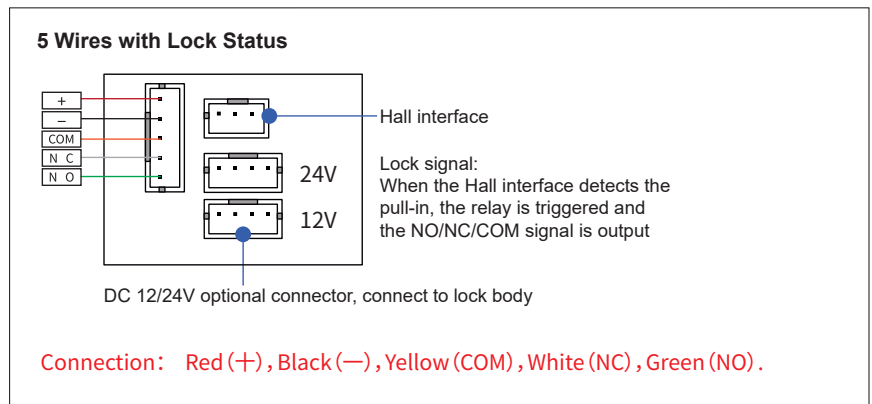
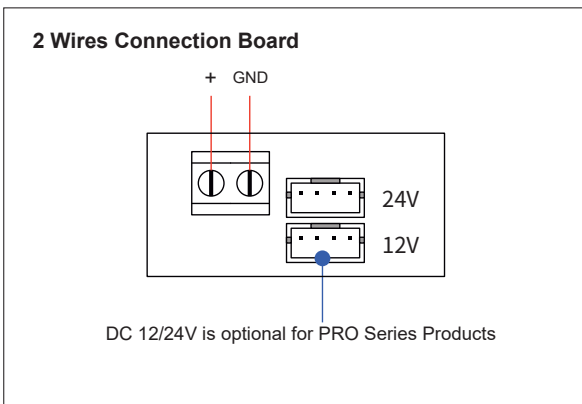
Notice: PRO Series locks support DC12V & DC24V switchable

## Function List

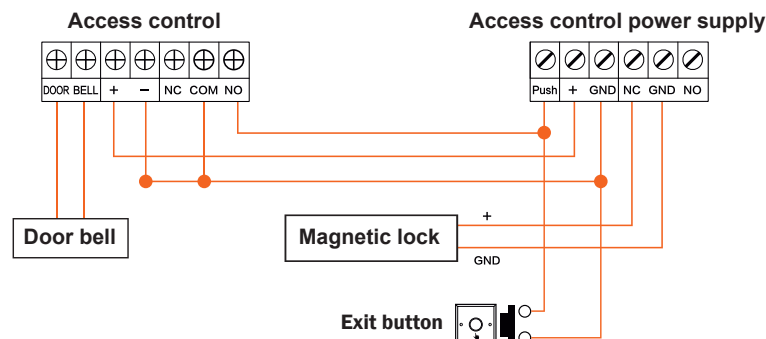
Product	Anti-residual	Lock signal	Time delay	Alarm	PUSH	Door Signal
2 wires	✓	/	/	/	/	optional
2 wires & time delay	✓	/	✓	/	/	optional
5 wires & lock signal	✓	✓	/	/	/	optional
5 wires & time delay & lock signal	✓	✓	✓	/	/	optional

Notice: Connect the PUSH to GND , lock will open.

## Connection Drawing

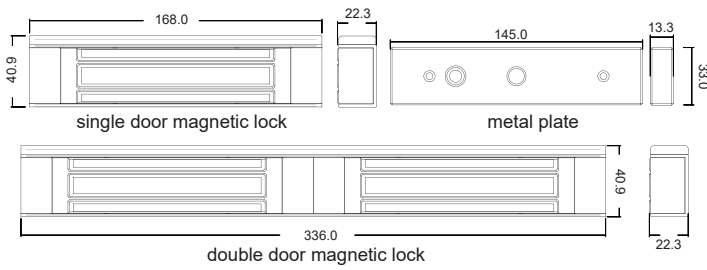


## Magnetic Lock Wiring Diagram

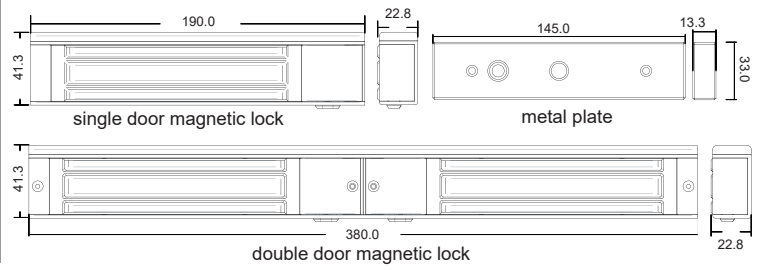


## Dimension (mm)

### 350Lbs Series size



### 350Lbs PRO Series size



## Installation Steps

- Fold the guide paper to 90°
- After close the door, put the guide paper close to the top side of the door frame
- Mark screw positions on the door frame
- Drill holes according to your marked positions
- Make a combination based on the picture
- Knock the pin into the plate gently to avoid the plate moving.
- Rubber gasket makes the plate can be adjustable slightly and ensure the lock body and plate can be combined tightly to reach max holding force.
- Remove the mounting plate from the lock body.
- Fix the plate to the screw position which you marked before.
- Fix the lock body to the mounting plate by Allen key
- Open the door to test the holding force. Adjust the gap between plate and Magnetic lock surface by tighten the plate or increase & decrease the rubber gasket.
- Tighten the tamper screw after making sure all installation steps are correct and work well.

## Optional Bracket Installation

<p><b>L bracket</b></p> <p>When the door frame is narrow, L bracket is needed.</p>	<p><b>ZL bracket</b></p> <p>For inward opening door, ZL bracket is needed.</p>	<p><b>U bracket</b></p> <p>For frameless glass door, U bracket is needed (suitable for 10-12mm thick glass door).</p>	<p><b>I Bracket for armature plate</b></p> <p>When the door leaf is too thick for screws, I bracket is helpful.</p>
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## Notice

- When installing the armature plate, please do not tighten the screws too tightly, but keep the rubber gasket with proper elasticity, so that the armature plate could automatically adjust to correct position and be sucked tighter with the lock body.
- When wiring, please check the lock body wire is connected to the 12V or 24V position on the PCB. You could choose to use power supply of 12VDC or 24VDC output for the lock via switching wiring the lock body to the corresponding position 12V or 24V.
- The magnetic lock uses the principle of generating magnetic flux from an energized coil. Therefore, the heating of the magnetic lock coil is normal, and it is normal at 45°C/±10%.