YLI ELECTRONIC

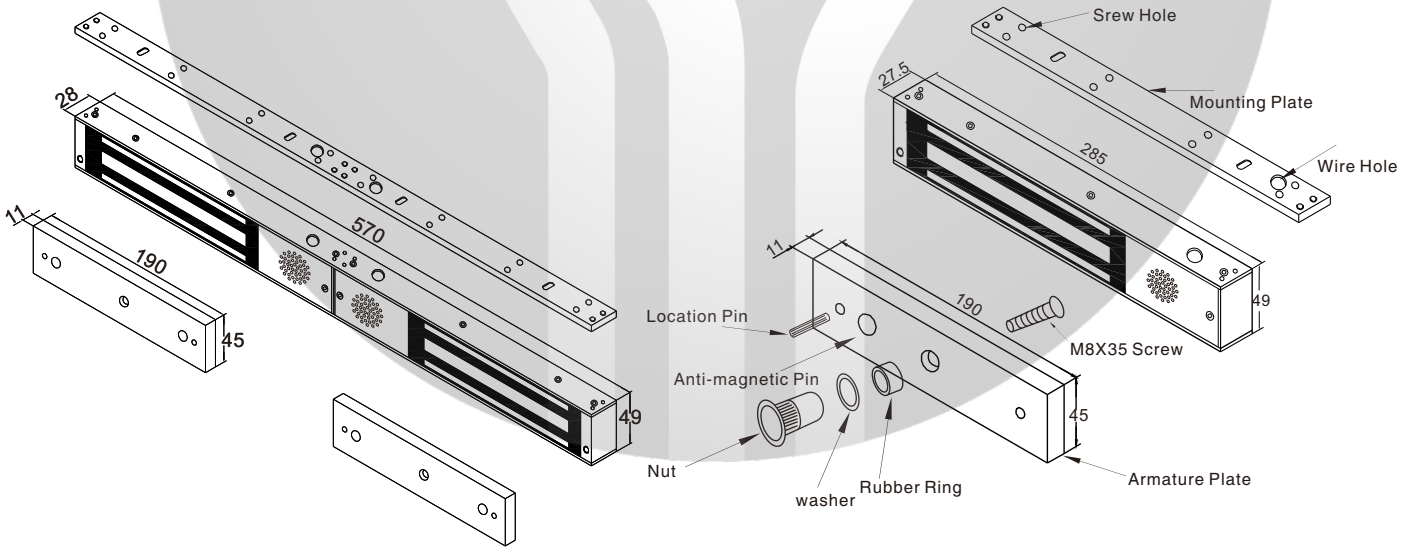
# Single Door Magnetic Lock W/Buzzer

Model: YM-350BZ(LED)/350DBZ(LED)

## Specification

| | |
|---|---|
| **Size(unit:mm)** | 285Lx55Wx27.5H(mm)(YM-350BZ(LED))<br>570Lx55Wx27.5H(mm)(YM-350DBZ(LED)) |
| **Armature Plate** | 190Lx45Wx11H(mm) |
| **Current** | 12V/480mA±10%;24V/240mA±10%　12V/480mA±10%x2;24V/240mA±10%x2 |
| **Holding Force** | 350kg(800Lbs)/350kg x2(800Lbs x2) |
| **Signal Output** | Lock signal(NO/NC/COM) |
| **Buzzer** | 5/10/20/30sec |
| **LED** | Red indicates the door is unlock; Green indicates the door is lock |
| **Finishes for Shell** | Anodized aluminum |
| **Feature** | Fail Safe(Locked when energized) |
| **Suitable for** | Wooden door , Glass door ,Metal door , Fireproof door |
| **Weight** | 2.7kg/5.4kg |

## Diagram(unit:mm)



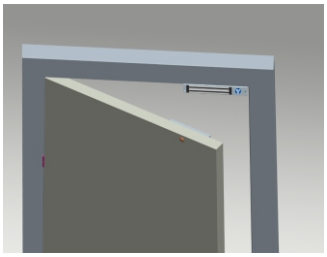

### ⚠ Cautions:

A. please don't fix the screw(screw of armature plate) tightly, let the rubber ring maintain proper elasticity.

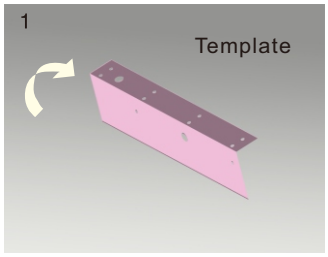
B. Please check the jumper position,  to know voltage is 12VDC or 24VDC.

C. Please keep the surface of the lock clean, or the force will be reduced because of the dust, glue or scotch tape on it.

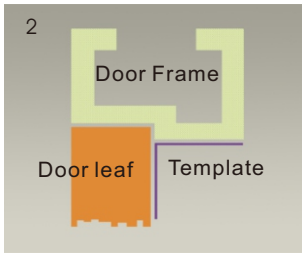
## Installation



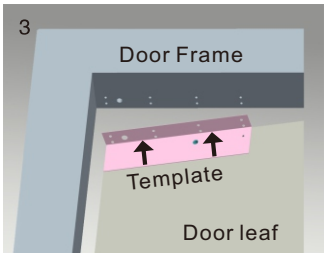
Steps



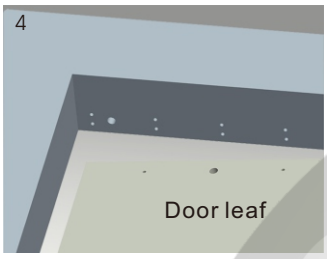

Fold the plate to 90 .



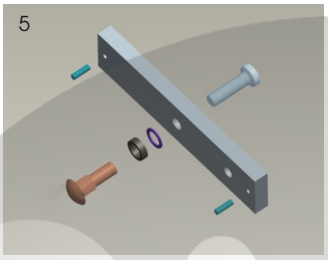

Close the door first, then place the upper side of template on door frame, while adjust the left side next to the door leaf.



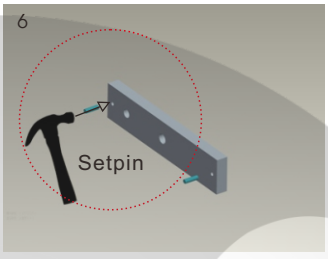

Mark screw positions of armature plate and magnetic lock on door leaf and door frame respectively.



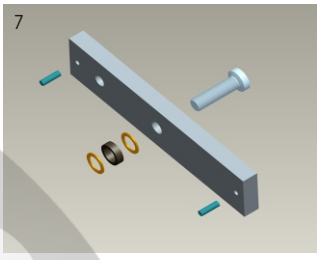

Drill holes based on the marked positions.



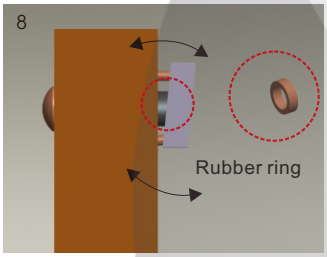

Make a combination based on the picture.



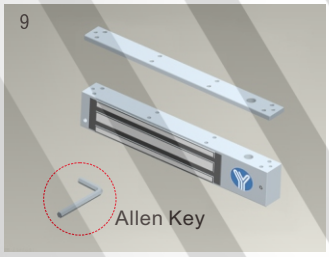

Strike the pin into the armature plate slightly (to avoid movement).



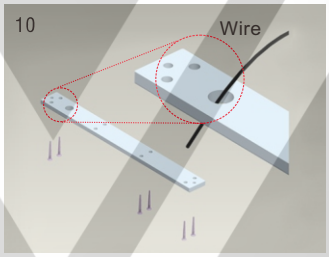

Make a combination based on the picture(add washer accordingly). The rubber ring must be added.



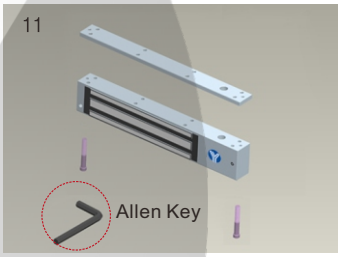

Place the rubber ring between armature plate and door leaf.



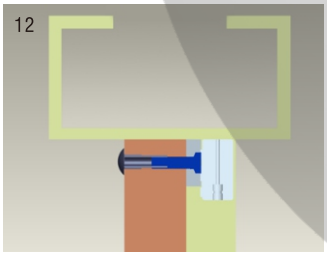

Use Allen key to remove the mounting plate from lock body.



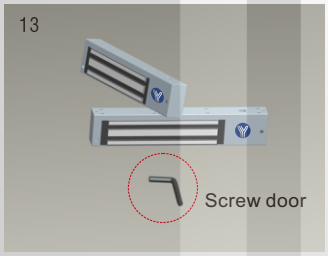

Fix the mounting plate on the door frame according to the holes drilled earlier.



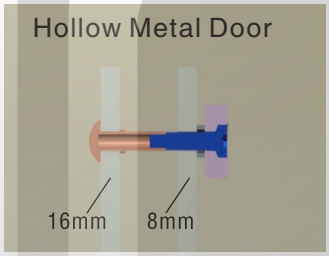

Use Allen key to screw the lock body on the mounting plate.



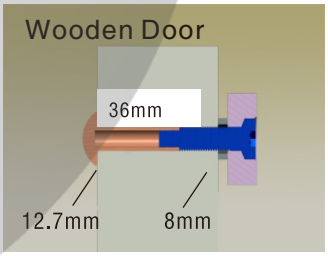

Close the door to test holding force. The angle between armature plate and magnetic lock can be adjusted by adding or reducing washers.



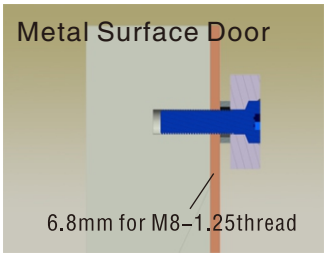

After all the appropriate procedures, the holding force can be maximized. Finally, fix the tamper screw.




Drill a hole
Inside: Diameter is 8mm
Outside: Diameter is16mm




Drill a hole
Inside: Diameter is 8mm
Outside: Diameter is 12.7mm




Inside:Drill a hole diameter is 8mm folding the plastic straight pin

**Notice:**

Thickness of Door Leaf:

350LBS: 44mm 600LBS: 50mm

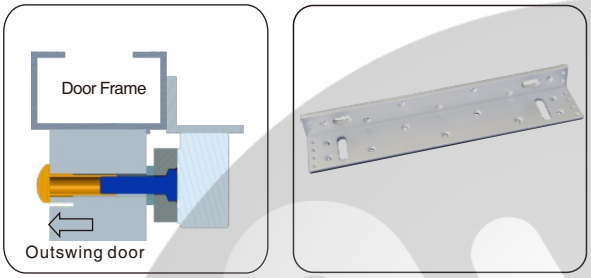
800LBS: 48mm 1200LBS: 46mm

## Bracket Installation

Different brackets are available according to different types of doors. For example, narrow door , frameless glass door and inward opening door.

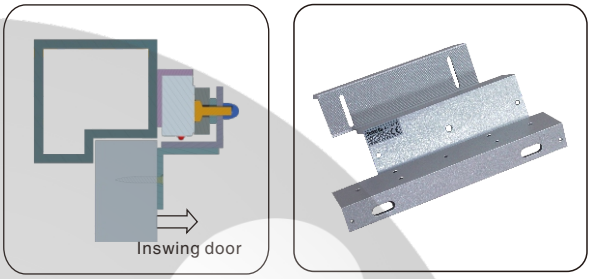
### L Bracket-For outward opening door

When the door frame thickness is less than 42mm, L bracket is needed.



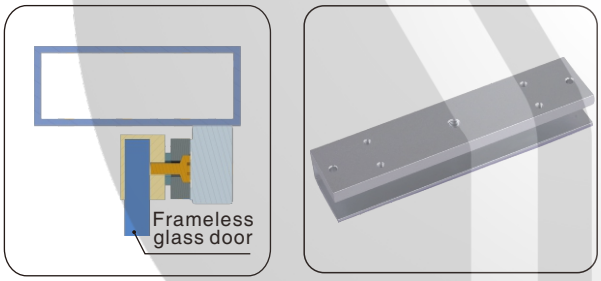

### ZL Bracket-For inward opening door

For inward opening door, ZL bracket is needed.



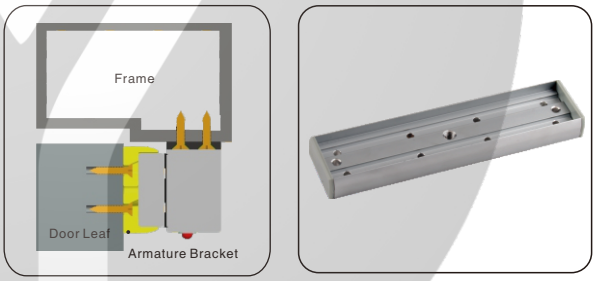

### U Bracket

For the frameless glass door. U bracket is needed.

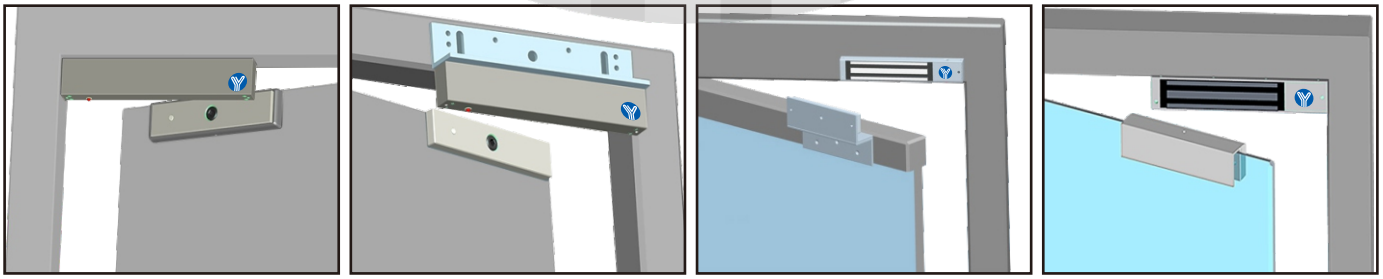



### I Bracket for armature plate

When the door frame is too thick, I bracket is needed.




## Installation Instruction



Demonstration of I Bracket Installation

Demonstration of L Bracket Installation

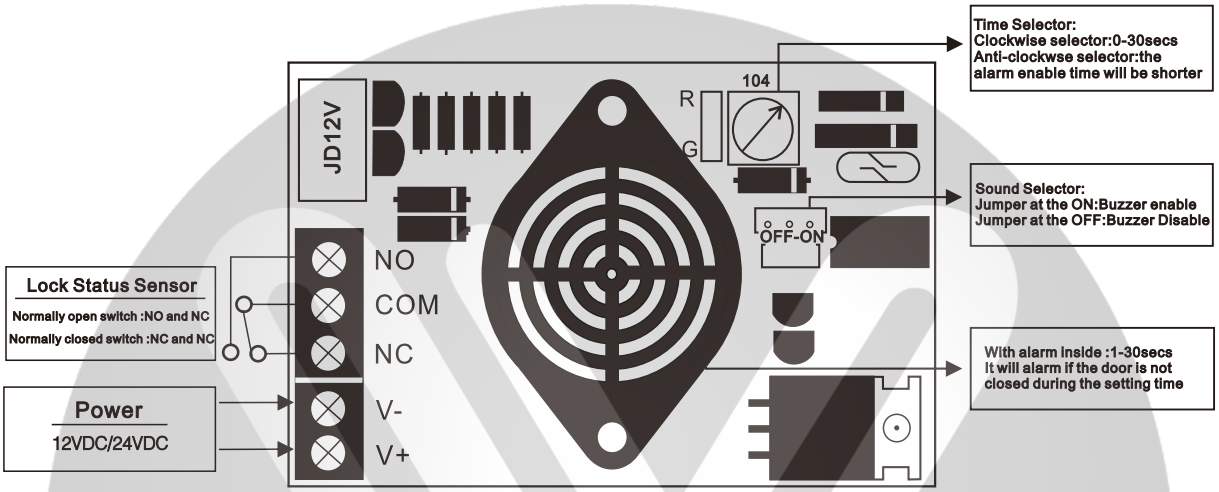
Demonstration of ZL Bracket Installation

Demonstration of UL Bracket Installation

## Circuit Board Diagram

A.12VDC Input:
Required power 0.48Amp(Minimum).
Connect the positive(+)lead from a 12VDC power source to V +.
Connect the ground(-)lead from a 12VDC power source to V -.
Check jumper for 12 VDC operation.

B.24VDC Input:
Required power 0.24Amp(Minimum).
Connect the positive(+)lead from a 24VDC power source to V +.
Connect the ground(-)lead from a 24VDC power source to V -.
Check jumper for 24 VDC operation.




## Wire Connection