YLI ELECTRONIC

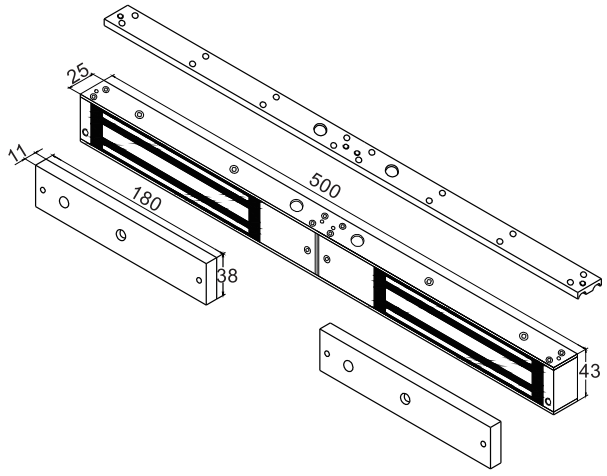
Magnetic Lock (280kg)

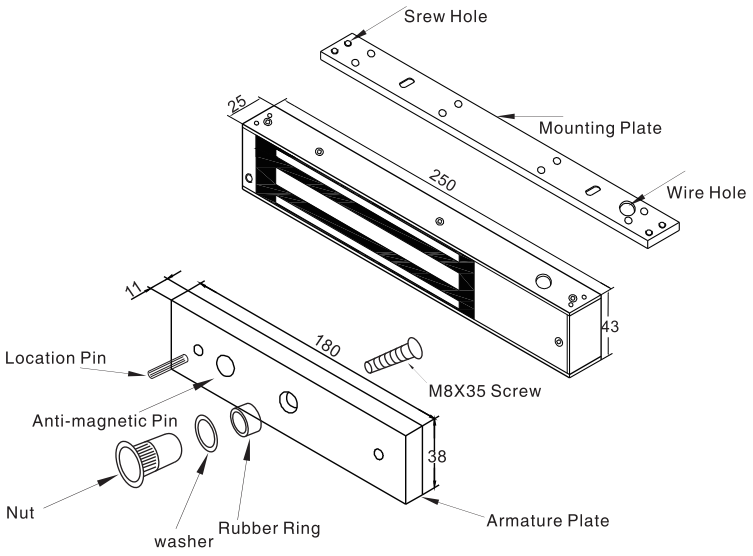
Punto Control

Specification

Model	Size(unit:mm)	Voltage	Current	Holding Force	Lock Signal	Door Signal	Door
YM-280	250Lx48.5Wx25H	12/24VDC	12V/500mA 24V/250mA	280kg(600Lbs)	No	No	Single Door
YM-280D	500Lx48.5Wx25H	12/24VDC	12V/500mAx2 24V/250mAx2	280kgx2(600Lbsx2)	No	No	Double Door
YM-280(LED)	250Lx48.5Wx25H	12/24VDC	12V/500mA 24V/250mA	280kg(600Lbs)	Yes	No	Single Door
YM-280(LED)-DS	250Lx48.5Wx25H	12/24VDC	12V/500mA 24V/250mA	280kg(600Lbs)	Yes	NO(B),NC(R) COM(Y)	Single Door
YM-280D(LED)	500Lx48.5Wx25H	12/24VDC	12V/500mAx2 24V/250mAx2	280kgx2(600Lbsx2)	Yes	No	Double Door
YM-280D(LED)-DS	500Lx48.5Wx25H	12/24VDC	12V/500mAx2 24V/250mAx2	280kgx2(600Lbsx2)	Yes	NO(B),NC(R) COM(Y)	Double Door
YM-280T(LED)	250Lx48.5Wx25H	12/24VDC	12V/500mA 24V/250mA	280kg(600Lbs)	Yes	No	Single Door
YM-280TD(LED)	500Lx48.5Wx25H	12/24VDC	12V/500mAx2 24V/250mAx2	280kgx2(600Lbsx2)	Yes	No	Double Door

Diagram(unit:mm)





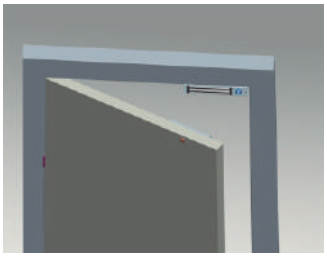
Cautions:

A. The screw of armature plate should not be fixed too tight. Proper elasticity should be guaranteed for the rubber ring so that the armature plate can adjust itself to the appropriate position.

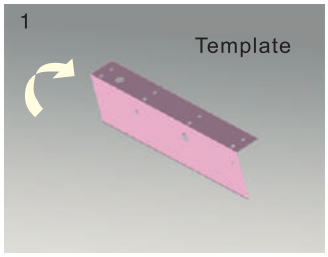
B. Check the jumper's position before connecting. Figure out it represents 12VDC or 24VDC.

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.

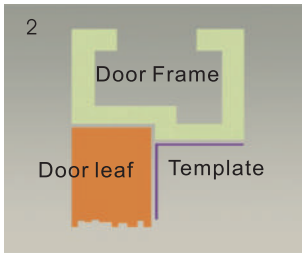
Installation



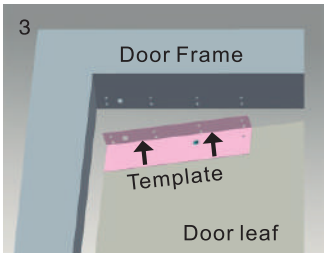
Steps



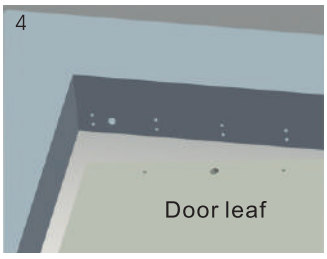
Fold the plate to 90° .



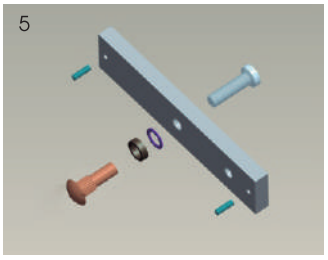
Close the door first, then place the upper side of template on door frame, while adjust the left side next to the door leaf.



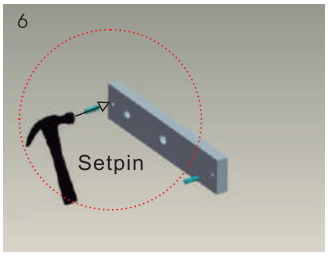
Mark screw positions of armature plate and magnetic lock on door leaf and door frame respectively.



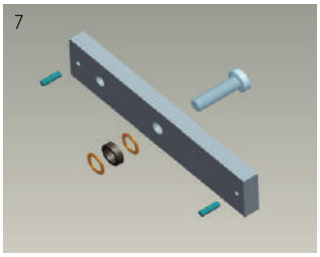
Drill holes based on the marked positions.



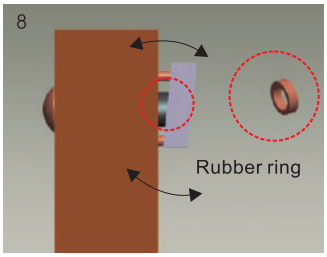
Make a combination based on the picture.



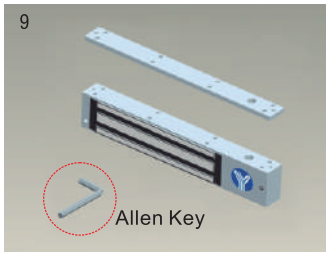
Strike the pin into the armature plate slightly (to avoid movement).



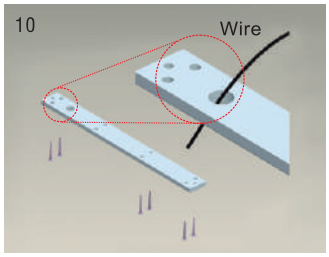
Make a combination based on the picture(add washer accordingly). The rubber ring must be added.



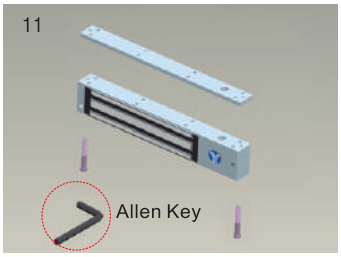
Place the rubber ring between armature plate and door leaf.



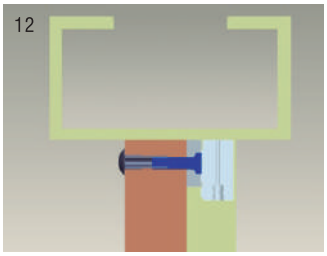
Use Allen key to remove the mounting plate from lock body.



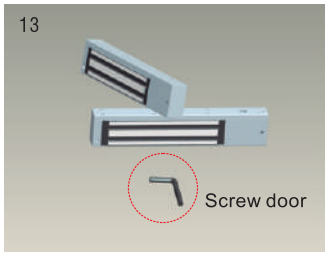
Fix the mounting plate on the door frame according to the holes drilled earlier.



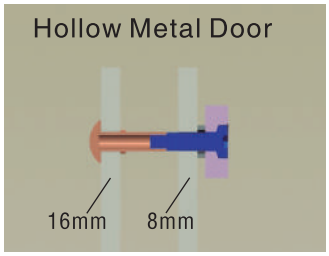
Use Allen key to screw the lock body on the mounting plate.



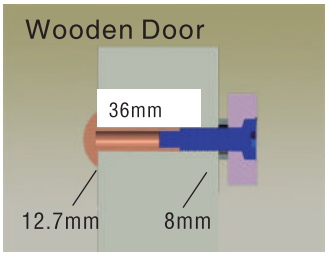
Close the door to test holding force. The angle between armature plate and magnetic lock can be adjusted by adding or reducing washers.



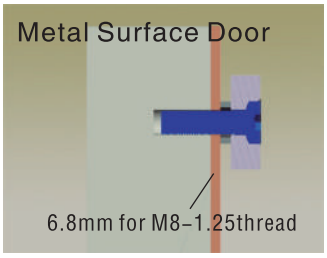
After all the appropriate procedures, the holding force can be maximized. Finally, fix the tamper screw.



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

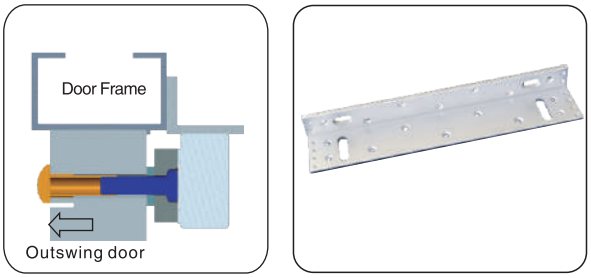
800LBS: 48mm 1200LBS: 46mm

Bracket Installation

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

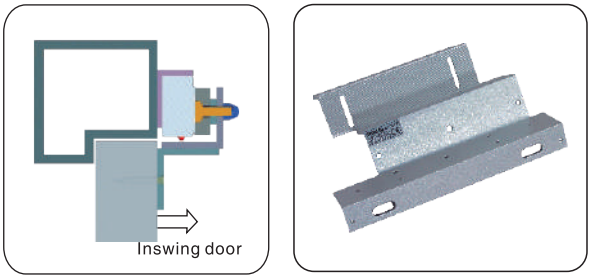
L Bracket-For outward opening door

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



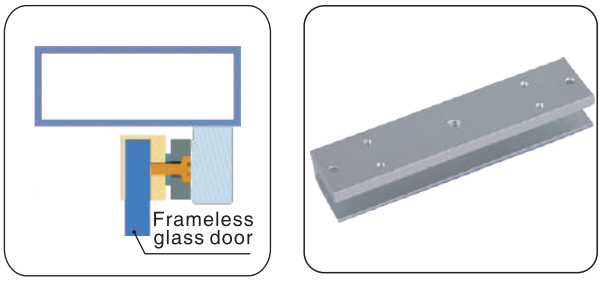
ZL Bracket-For inward opening door

For inward opening door, ZL bracket is needed.



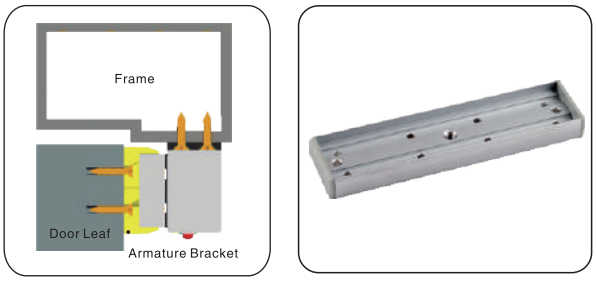
U Bracket

For the frameless glass door. U bracket is needed.

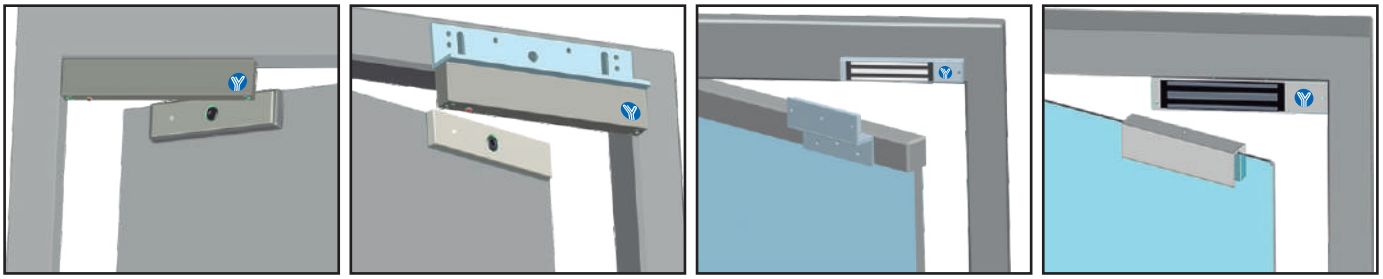


I Bracket for armature plate

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



Installation Instruction



Demonstration of I Bracket Installation

Demonstration of L Bracket Installation

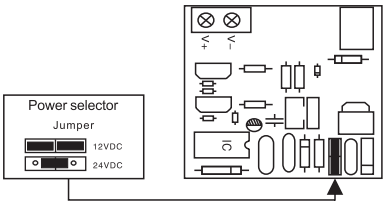
Demonstration of ZL Bracket Installation

Demonstration of UL Bracket Installation

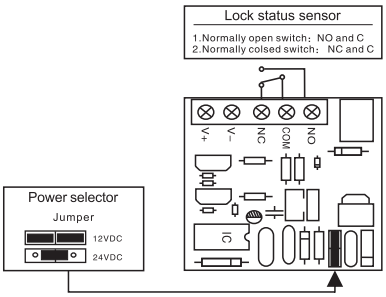
Circuit Board Diagram

A.12VDC Input:
Required power 0.5Amp(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.

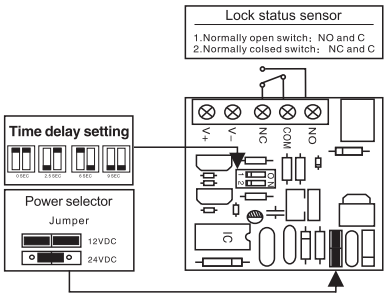
B.24VDC Input:
Required power 0.25Amp(Minimum).
Connect the positive(+)lead from a 24VDC power source to V +.
Connect the ground(-)lead from a 24VDC power source to V -.
Check jumper for 24 VDC operation.



YM-280,YM-280D



YM-280(LED),YM-280(LED)-DS,
YM-280D(LED),YM-280D(LED)-DS



YM-280T(LED),YM-280TD(LED)

Wire Connection