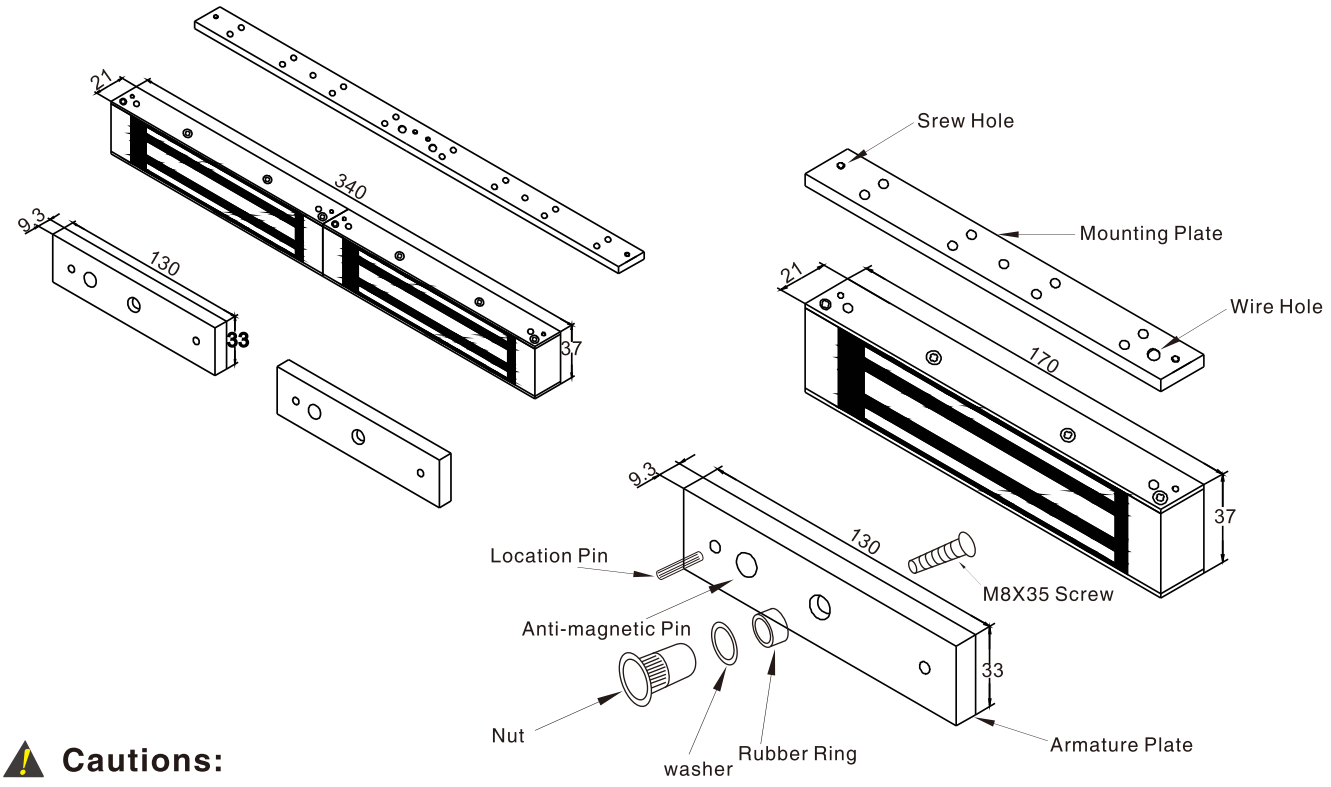
Magnetic Lock (180kg)

Specification

Model	Size(unit:mm)	Voltage	Current	Holding Force	Signal Output	Door
YM-180	170Lx41.4Wx20.5H	12/24VDC	12V/300mA 24V/150mA	180kg(350Lbs)	No	Single Door
YM-180D	340Lx41.4Wx20.5H	12/24VDC	12V/300mA 24V/150mA	180kgx2(350Lbsx2)	No	Double Door
YM-180-S	183Lx41.4Wx20.5H	12/24VDC	12V/300mA 24V/150mA	180kg(350Lbs)	Yes	Single Door
YM-180D-S	366Lx41.4Wx20.5H	12/24VDC	12V/300mA 24V/150mA	180kgx2(350Lbsx2)	Yes	Double Door

Diagram (unit:mm)



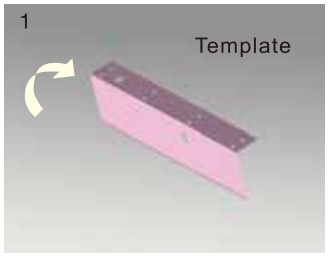
Cautions:

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.

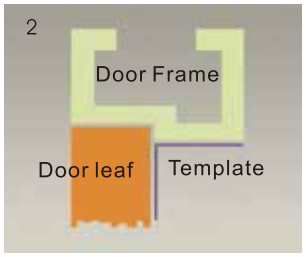
B. Check the jumper's position before connecting. Figure out it represents 12VDC or 24VDC.

Installation

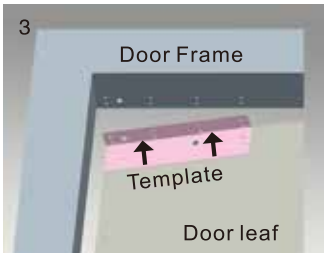
Steps



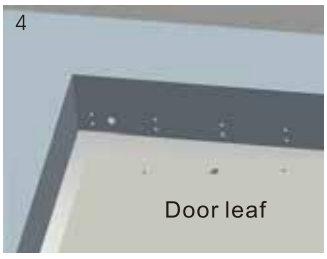
Fold the plate to 90° .



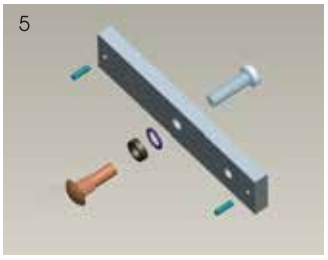
Close the door first, then place the upper side of template on door frame, while adjust the left side next to the door leaf.



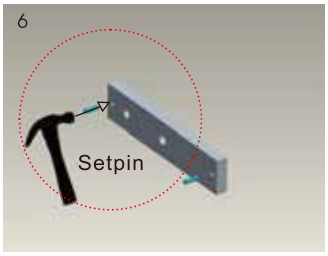
Mark screw positions of armature plate and magnetic lock on door leaf and door frame respectively.



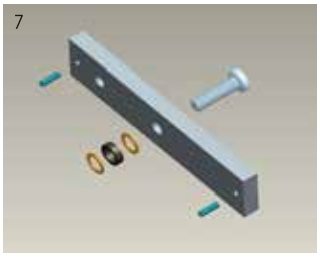
Drill holes based on the marked positions.



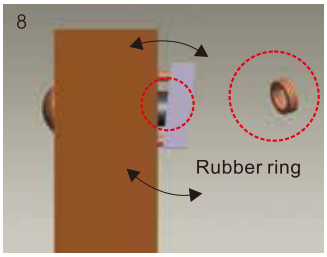
Make a combination based on the picture.



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

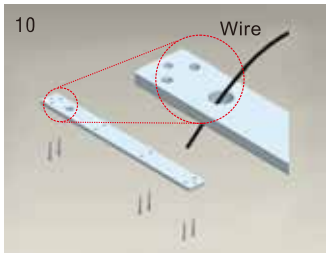


Make a combination based on the picture(add washer accordingly). The rubber ring must be added.



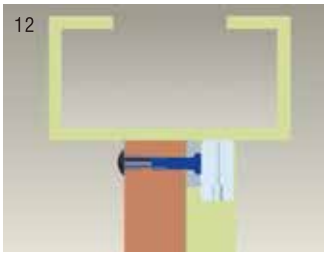
Place the rubber ring between armature plate and door leaf.

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

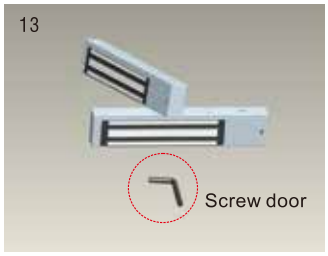


Fix the mounting plate on the door frame according to the holes drilled earlier.

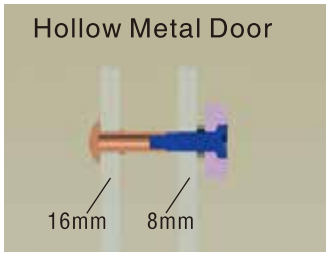
Use Allen key to screw the lock body on the mounting plate.



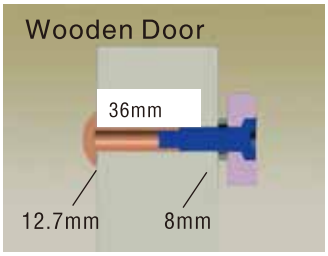
Close the door to test holding force. The angle between armature plate and magnetic lock can be adjusted by adding or reducing washers.



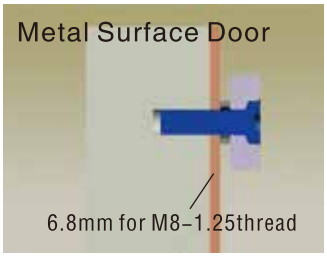
After all the appropriate procedures, the holding force can be maximized. Finally, fix the tamper screw.



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

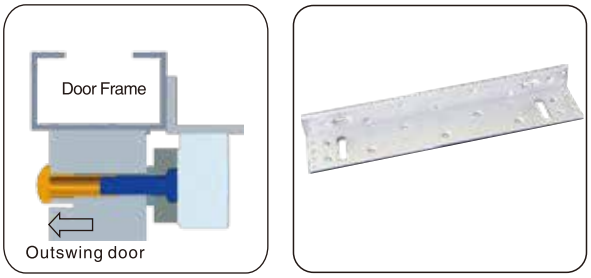
800LBS: 48mm 1200LBS: 46mm

Bracket Installation

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

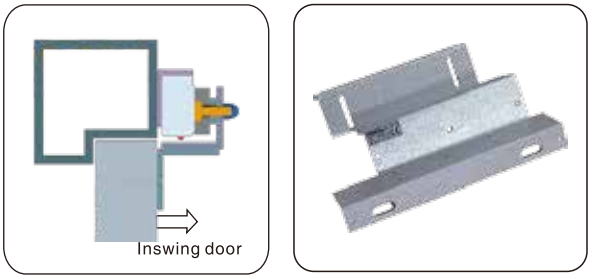
L Bracket-For outward opening door

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



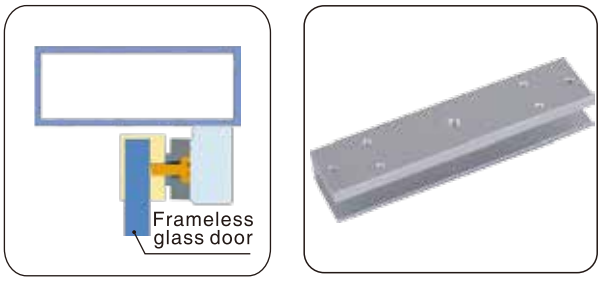
ZL Bracket-For inward opening door

For inward opening door, ZL bracket is needed.



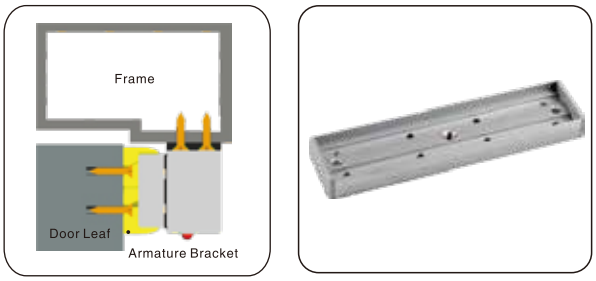
U Bracket

For the frameless glass door. U bracket is needed.

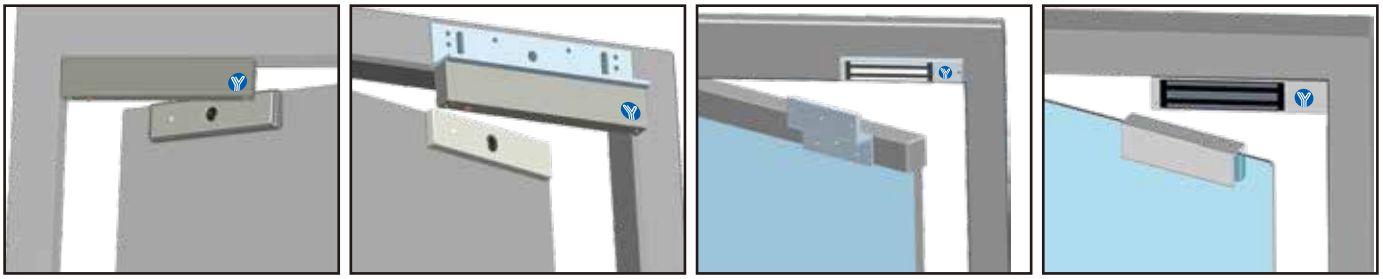


I Bracket for armature plate

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



Installation Instruction



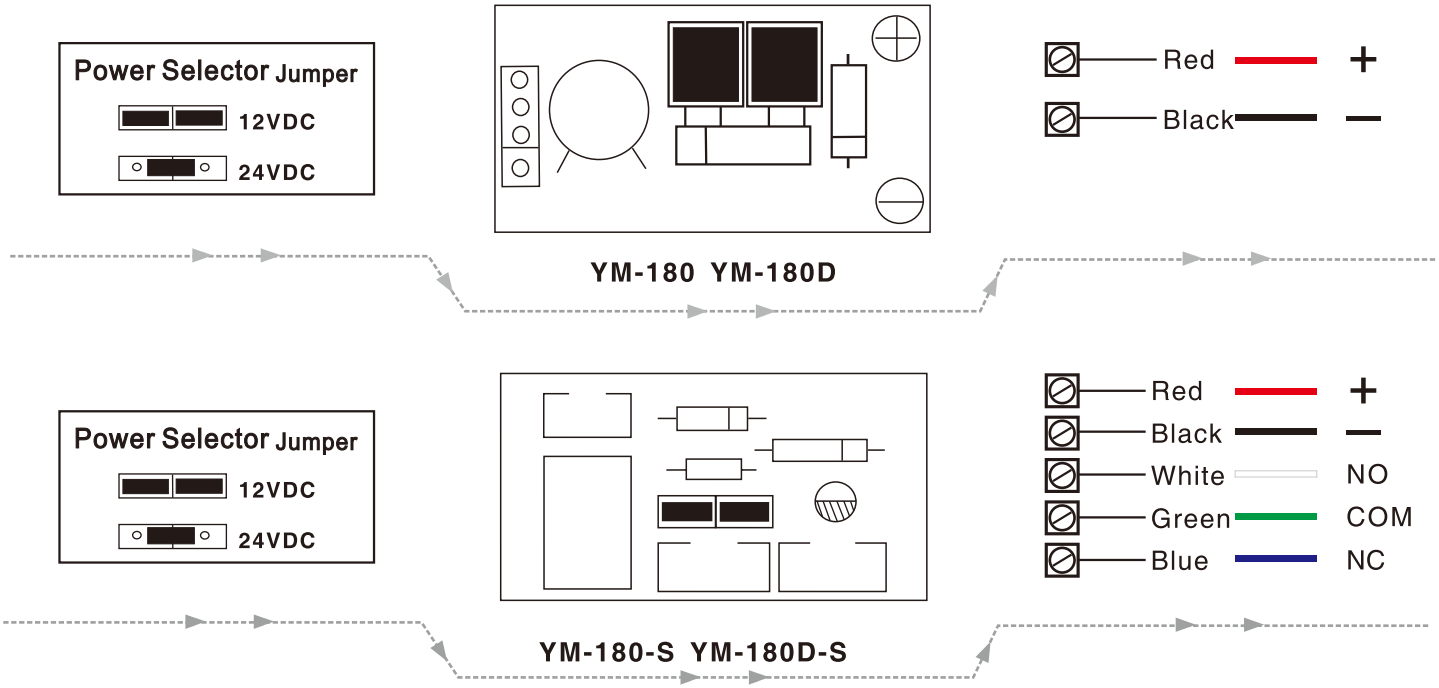
Demonstration of I Bracket Installation

Demonstration of L Bracket Installation

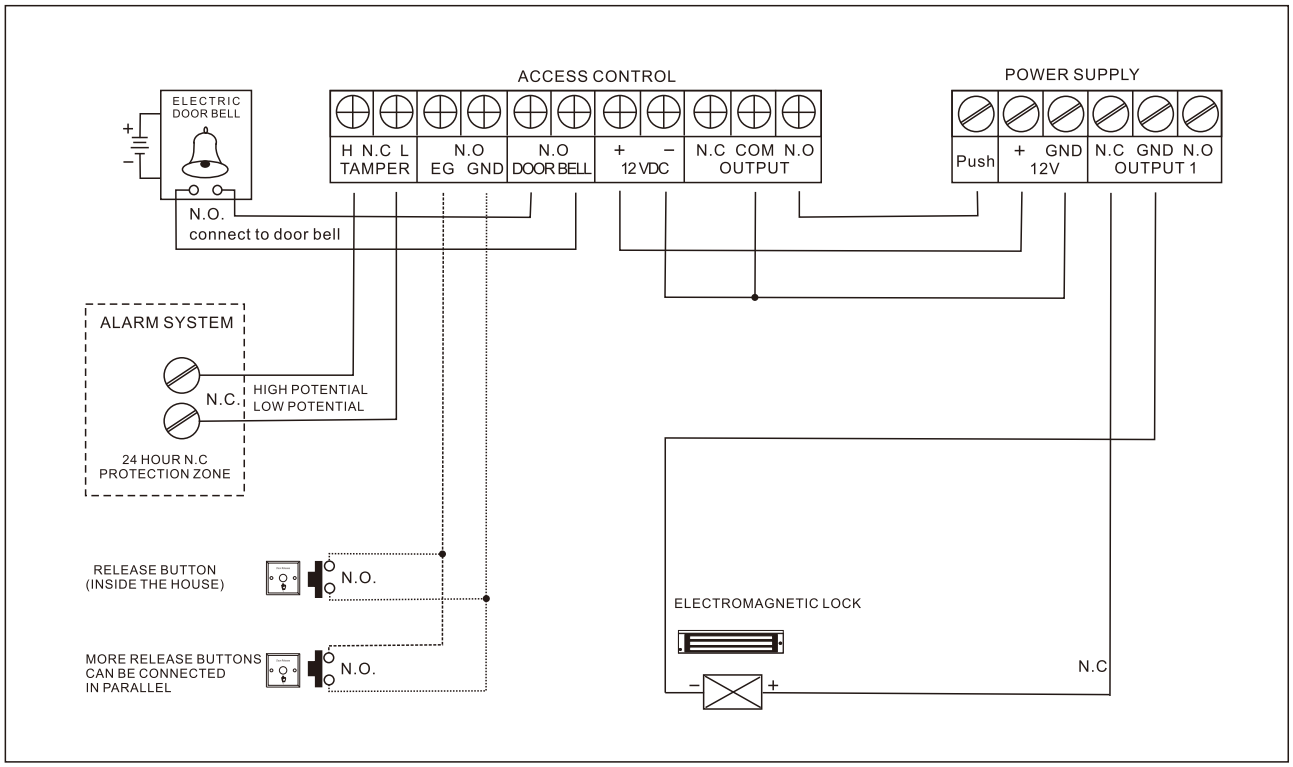
Demonstration of ZL Bracket Installation

Demonstration of UL Bracket Installation

Circuit Board Diagram



Wire Connection



NOTES:

Please read specification before installing magnetic lock

A. Handle the equipment carefully. The holding force can be reduced by damaging the lock body or armature plate.

B. The magnetic lock should be fixed tightly on the door frame and the armature plate on the door leaf. Kit provided allows the armature plate to pivot its center, thus compensating misalignment caused by other factors.

C. Template can only be used with the door in normally closed circumstance.

D. Please fix screws of magnetic lock firmly.

E. Detect signal of door state: the limit of reed switch and dry contact is 0.5A/30VDC. Don't overload.