YLI ELECTRONIC

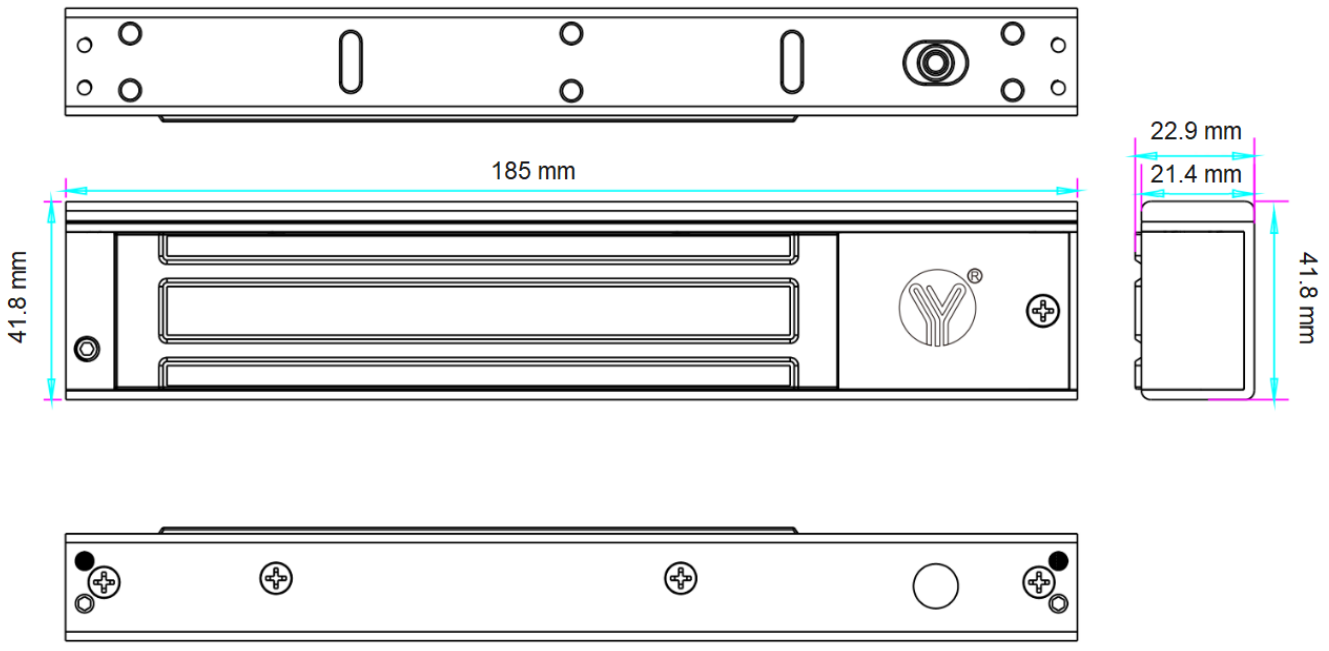
Magnetic Lock

Model: YM-180N(LED)

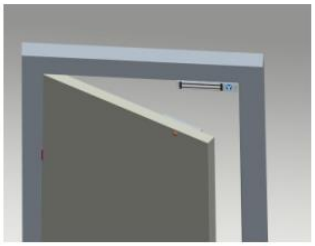
ESPECIFICATION

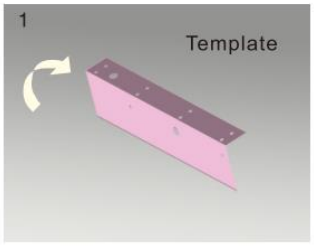
Dimension	185 L x 41.8 W x 21.4 H (mm)
Holding force	180 kg (350 Lb)
Current	12 VDC o 24 VDC
Voltage	12V/400 mA ± 10% - 24V/200 mA ± 10%
Signal output	NO/NC/COM
LED	Green light indicates unlocked; Red light indicates locked
Operating temp	-20 / +55
Weight	1.2 Kg

DIAGRAM (UNIT: mm)

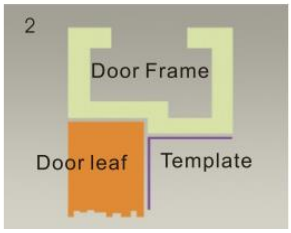


INSTALLATION

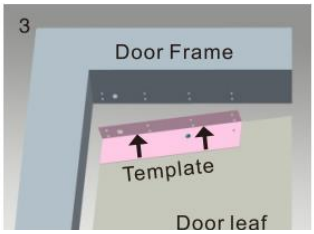




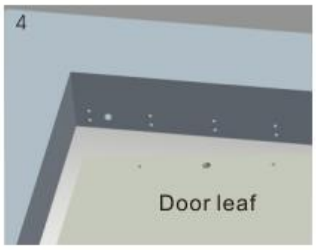
Fold the plate to 90°



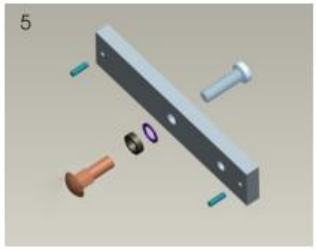
Close the door first, then place the upper side of template on door frame, while adjust the left side next to the door leaf.



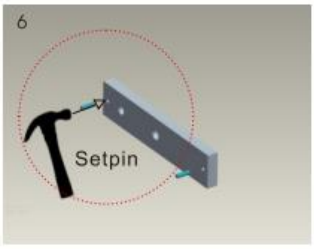
Mark screw positions of armature plate and magnetic lock on door leaf and door frame respectively.



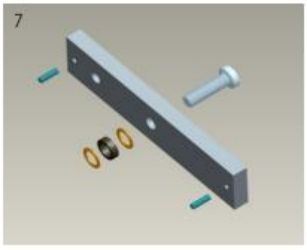
Drill holes based on the marked positions.



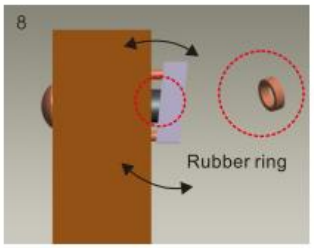
Make a combination based on the picture.



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



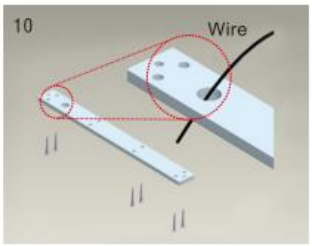
Make a combination based on the picture (add washer accordingly.



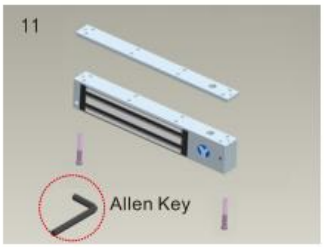
Place the rubber ring between armature plate and door leaf.



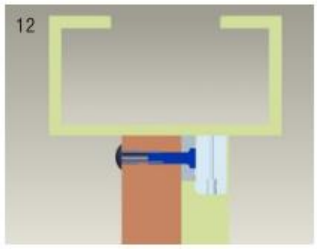
Use Allen key to remove the mouthing plate from lock body.



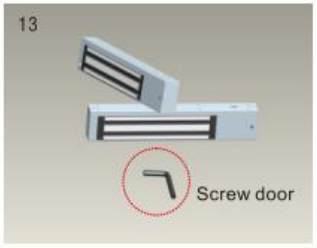
Fix the mounting plate on the door frame according to the holes drilled earlier.



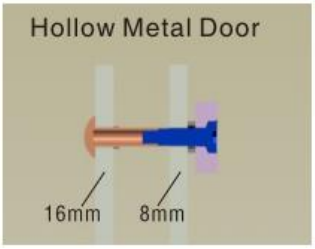
Use Allen key to screw the lock body on the mounting plate.



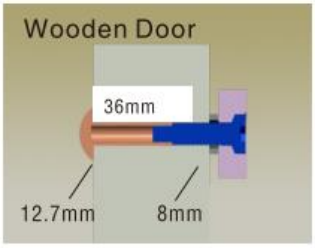
Close the door to test holding force. The angle between armature plate and magnetic lock can be adjusted by adding or reducing washers.



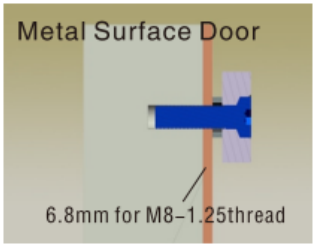
After all the appropriate procedures, the holding force can be maximized. Finally, fix the tamper screw.



Drill a hole
Inside: Diameter is 8 mm
Outside: Diameter is 16 mm



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



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

⚠ Notice:

Thickness of Door Leaf:

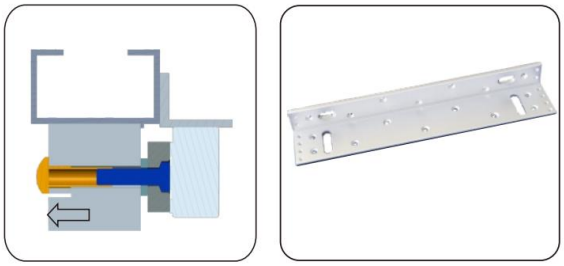
350LBS: 44mm 600LBS: 50mm 800LBS: 48mm 1200LBS: 46mm

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.

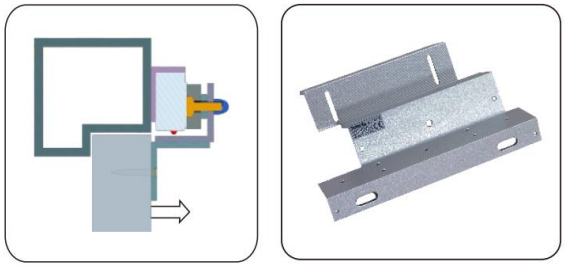
BRACKET INSTALLATION

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

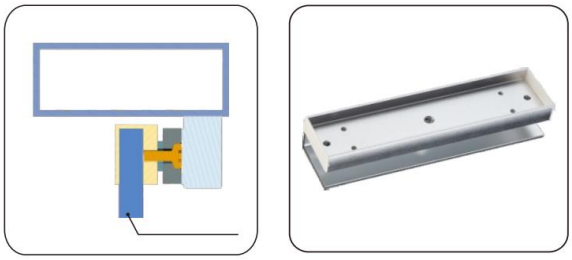
L Bracket-For outward opening door
When the door frame thickness is less than 42 mm, L bracket is needed.



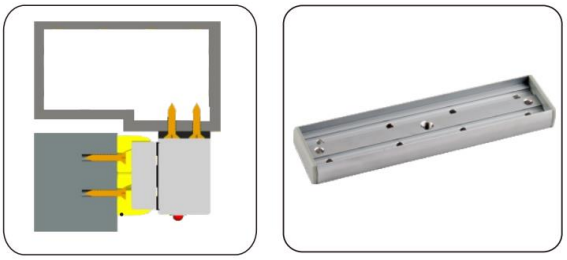
ZL Bracket-For inward opening door
For in ware opening door, ZL bracket is needed.



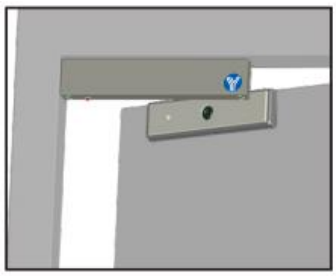
U Bracket
For the frameless glass door. U bracket is needed.



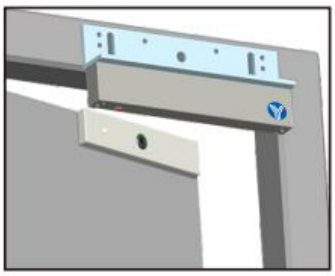
I Bracket for armature plate
When the door frame is too thick, i breacket is needed.



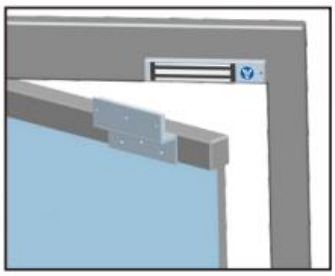
INSTALLATION INSTRUCCTION



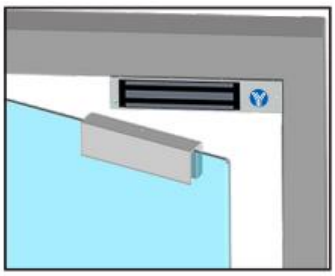
Demonstration of I bracket installation.



Demonstration of L bracket installation.



Demonstration of ZL bracket installation.



Demonstration of U bracket installation.

CIRCUIT BOARD DIAGRAM

A. 12VDC Input:

Connect the positive (+) lead from a 12 VCC power source to V+.

Connect the ground (-) lead from a 12 VDC power source to V-.

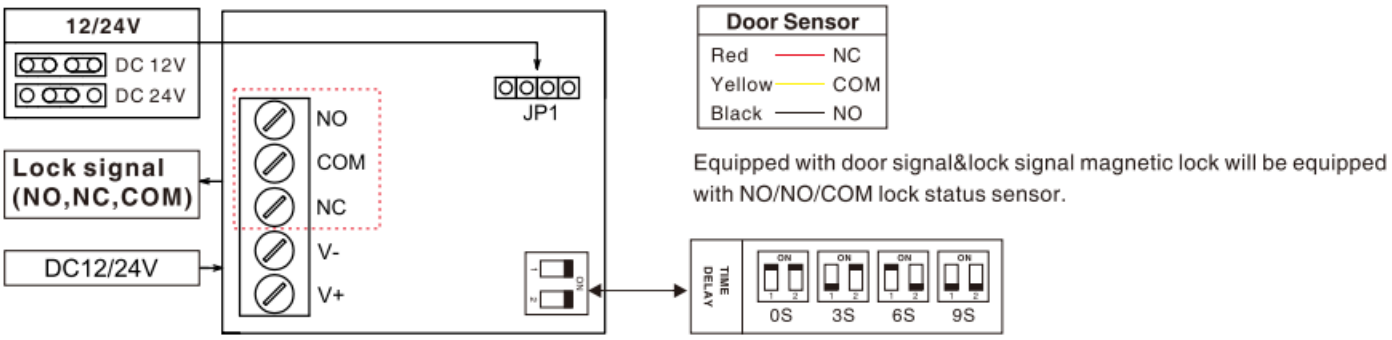
Check jumper for 12 VDC operation.

C. 12VDC Input:

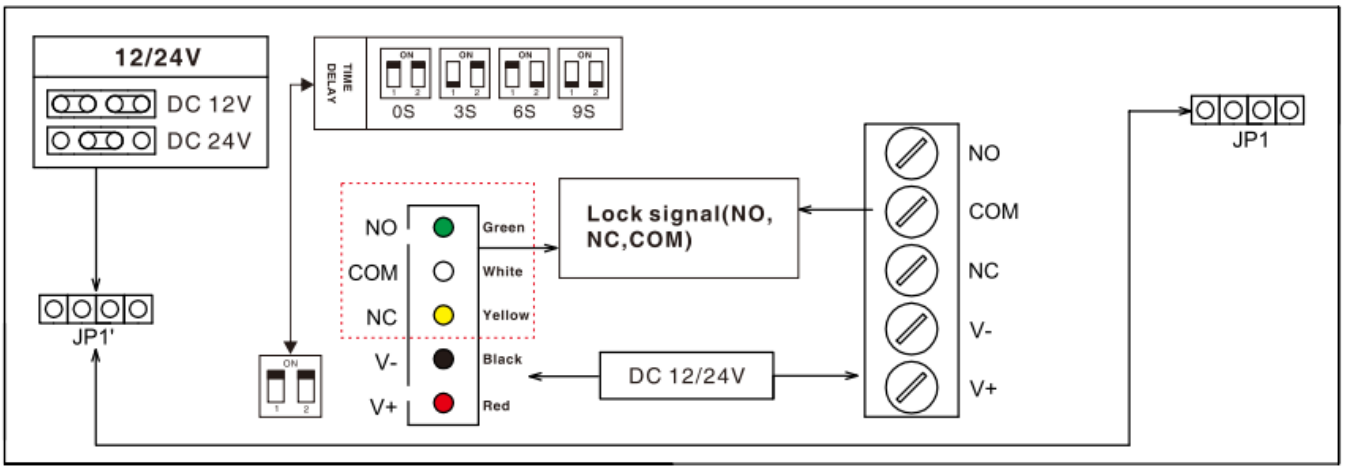
Connect the positive (+) lead from a 24 VCC power source to V+.

Connect the ground (-) lead from a 24 VDC power source to V-.

Check jumper for 24 VDC operation.



Connection: Green wire or white plug, except the models without LED indicator and signal output; only when detects that double doors have been locked, there will be normal signal output.



WIRE CONNECTION

