AX-M820WSO

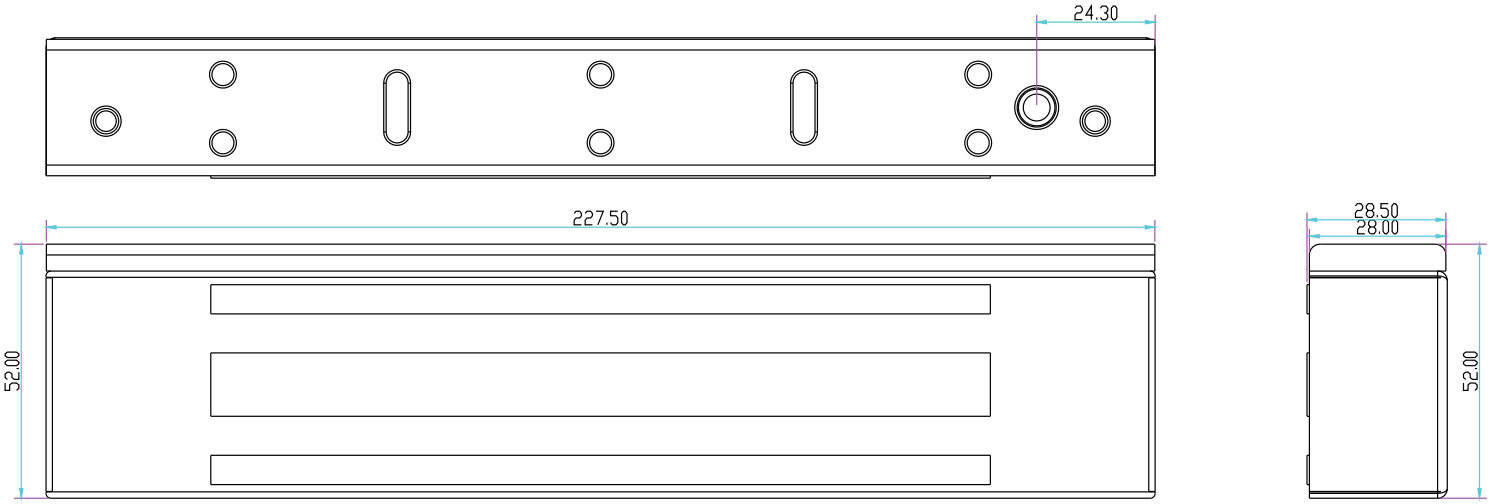
Waterproof Magnetic Lock

Specification

Model	Size(unit:mm)	Voltage	Current	Holding Force	Signal Output	Door
AX-M820WSO	227.5Lx52Wx28.5H	12VDC (24VDCneed order)	12V/480mA 24V/240mA	350kg(800Lbs)	Yes	Single Door

Diagram(unit:mm)

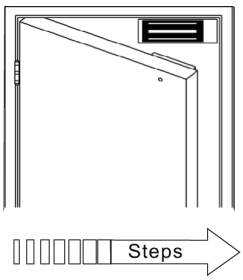
AX-M820WSO

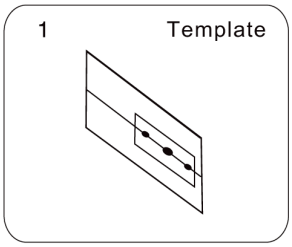


Cautions:

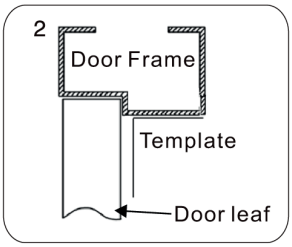
A. The screw of the armature plate should not be fixed too tight. Proper elast icity should be guaranteed for the rubber ring so that the armature plate can adjust itself to the appropriate position.
B. Check the jumper's position before connecting. Figure out it represents 12VDC or 24VDC.

Installation

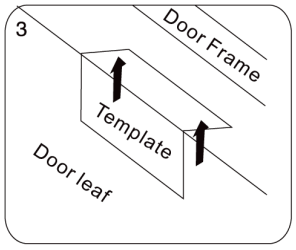




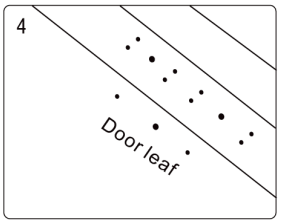
Fold the plate to 90° .



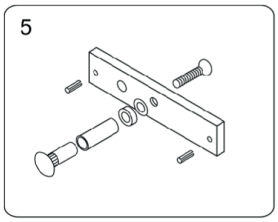
Close the door first, then place the upper side of template on door frame, while adjust the left side next to the door leaf.



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

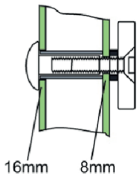


Drill holes based on the marked positions.



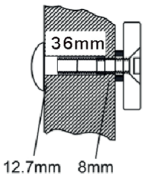
Make a combination based on the picture.

Hollow Metal Door



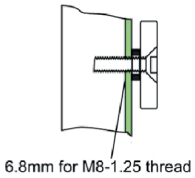
Drill a hole
Inside: Diameter is 8mm
Outside: Diameter is 16mm

Wooden Door

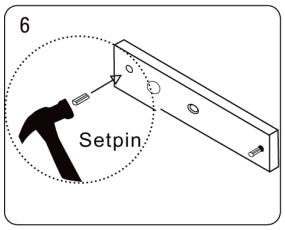


Drill a hole
Inside: Diameter is 8mm
Outside: Diameter is 12.7mm

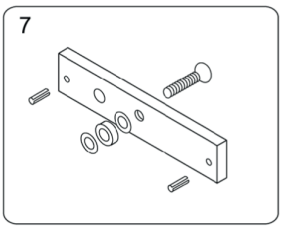
Metal Surface Do



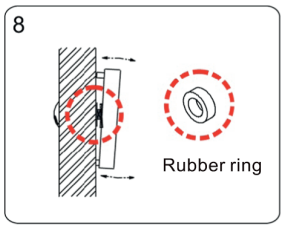
Inside:Drill a hole
diameter is 8mm foldi
the plastic straight pir



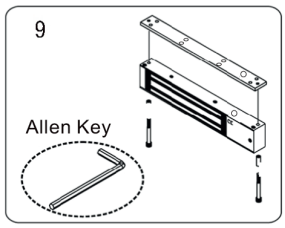
Strike the pin into the armature plate slightly (to avoid movement).



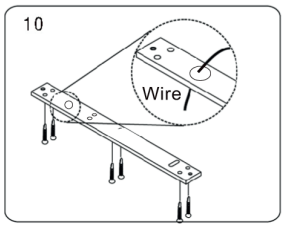
Make a combination based on the picture(add washer accordingly).The rubber ring must be added.



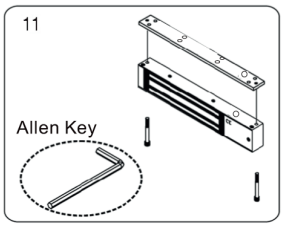
Place the rubber ring between armature plate and door leaf.



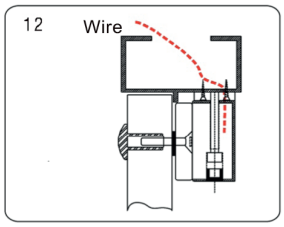
Use Allen key to remove the mounting plate from lock body.



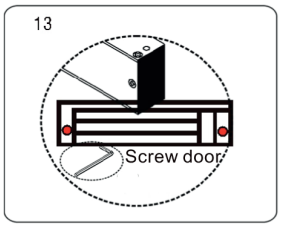
Fix the mounting plate on the door frame according to the holes drilled earlier.



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.



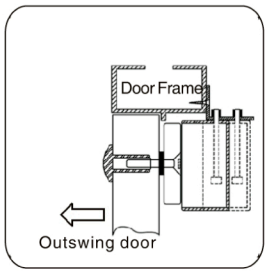
After all the appropriate procedures, the holding force can be maximized. Finally, fix the tamper screw.

Bracket Installation

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

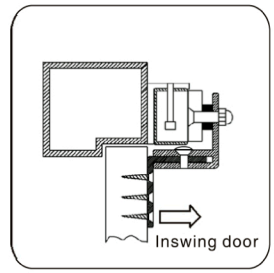
L Bracket-For outward opening door

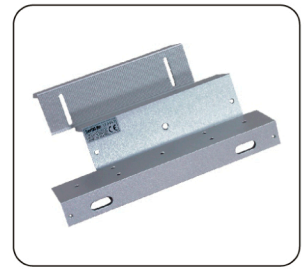
When the door frame thickness is less than 42mm, L bracket is needed.



ZL Bracket-For inward opening door

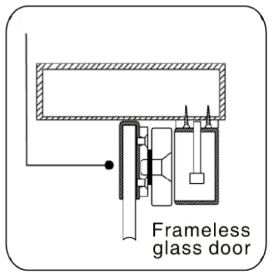
For inward opening door, ZL bracket is needed.

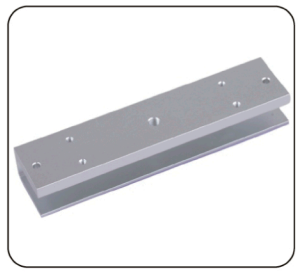




U Bracket

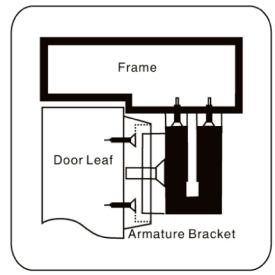
For the frameless glass door. U bracket is needed.



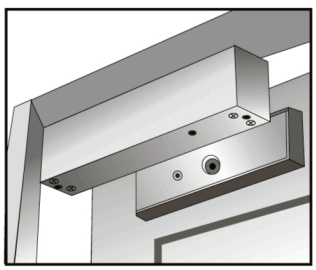


I Bracket for armature plate

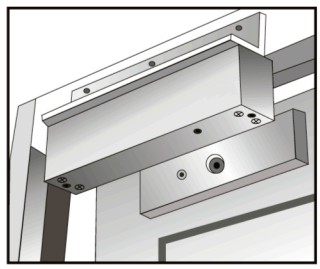
When the door frame is too thick, I bracket is needed.



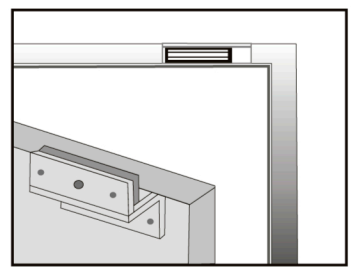
Installation Instruction



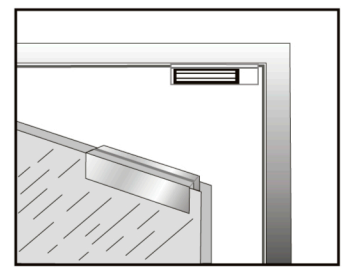
Demonstration of I Bracket Installation



Demonstration of L Bracket Installation



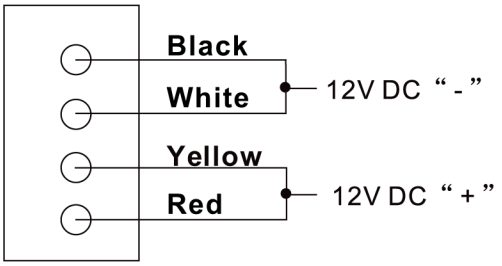
Demonstration of ZL Bracket Installation



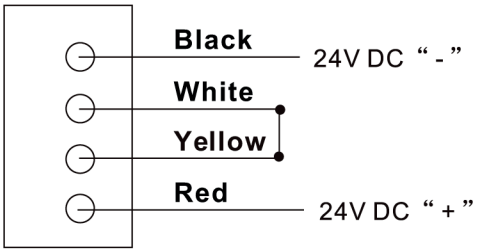
Demonstration of UL Bracket Installation

Circuit Board Diagram

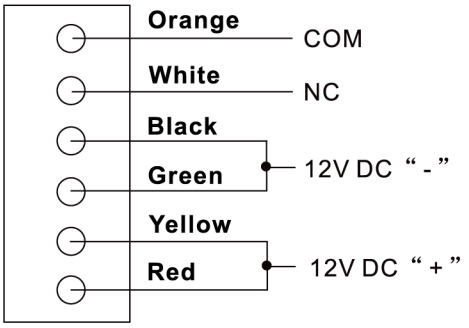
A.12V DC Input



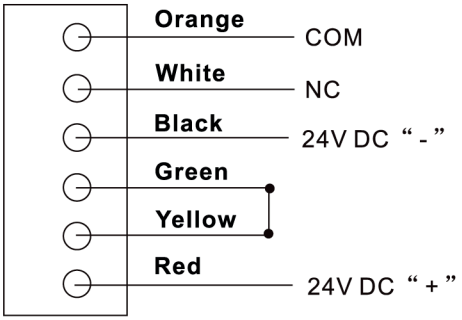
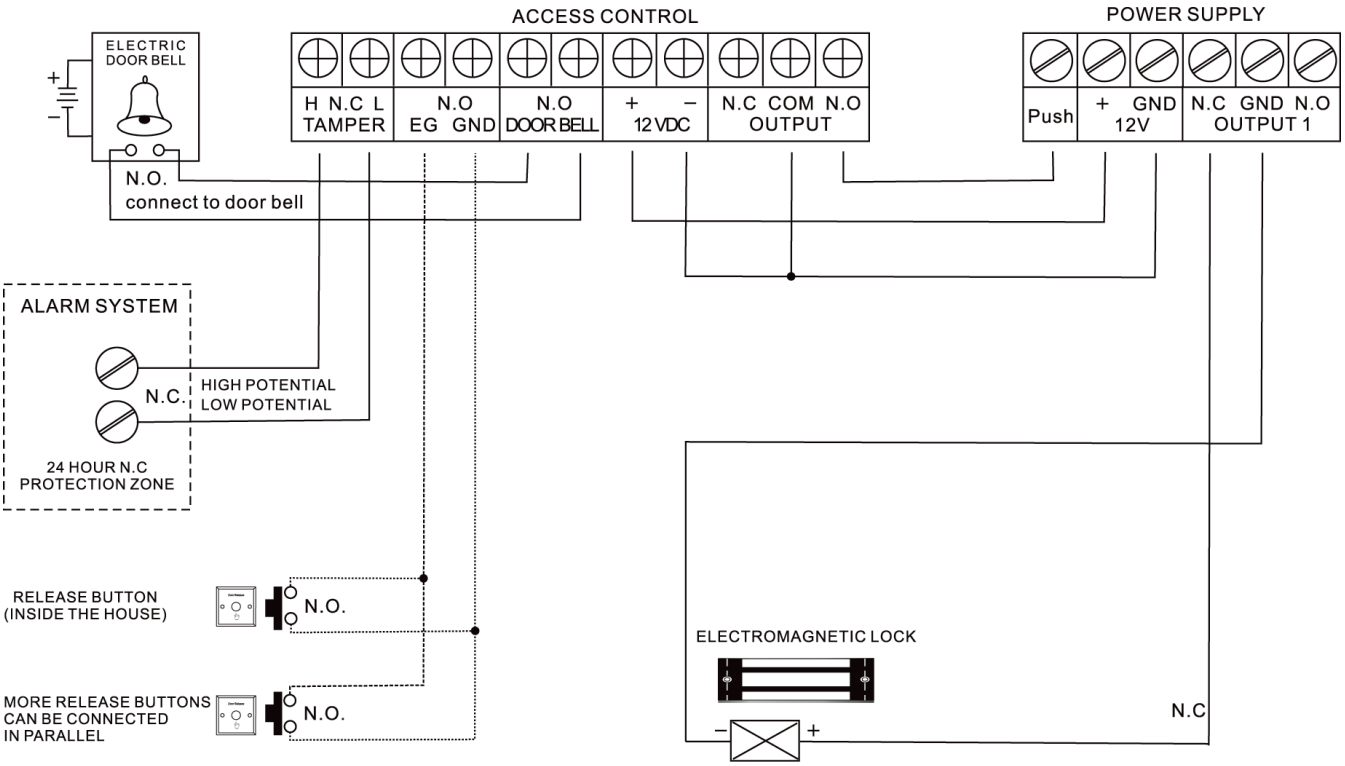
B.24V DC Input



A.12V DC Input



B.24V DC Input



Wire Connection