

# AX-M800MSO / AX-M1200WSO



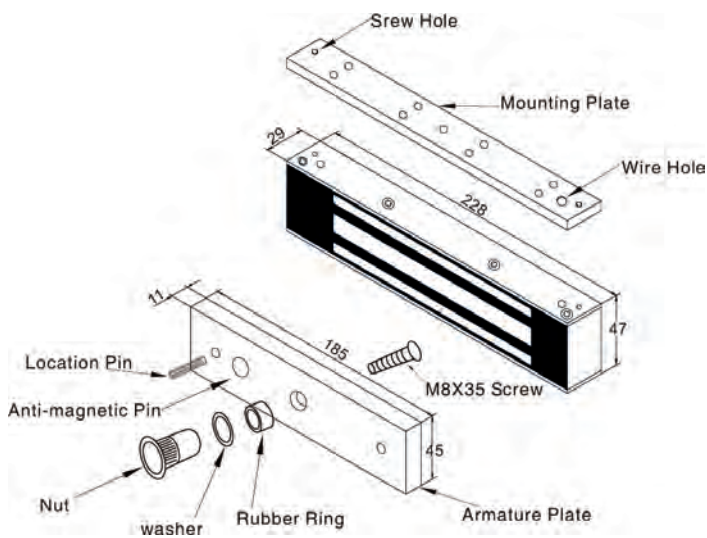
## Waterproof Magnetic Lock

### ► Specification

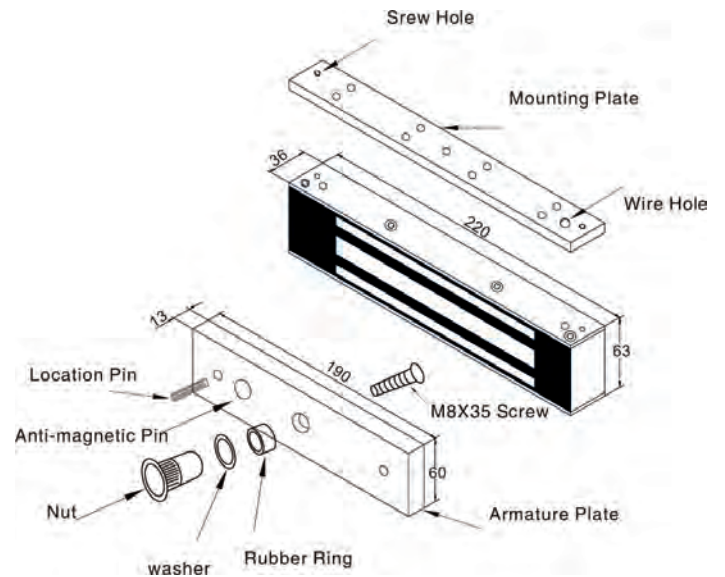
Model	Size(unit:mm)	Voltage	Current	Holding Force	Signal Output	Door
AX-M800WSO	228Lx49Wx29H	12VDC (24VDCneed order)	12V/480mA 24V/240mA	350kg(800Lbs)	Yes	Single Door
AX-M1200WSO	220Lx63Wx36H	12/24VDC	12V/420mA 24V/210mA	500kg(1200Lbs)	Yes	Single Door

### ► Diagram(unit:mm)

#### AX-M800WSO



#### AX-M1200WSO

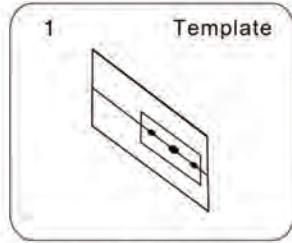
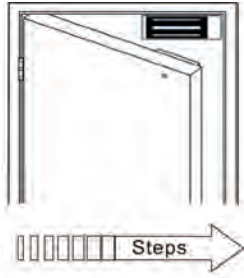


### Cautions:

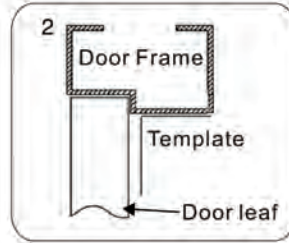
A. The screw of the armature plate should not be fixed too tight. Proper elasticity should be guaranteed for the rubber ring so that the armature plate can adjust itself to the appropriate position.

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

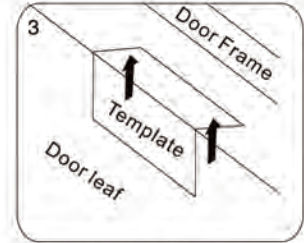
► Installation



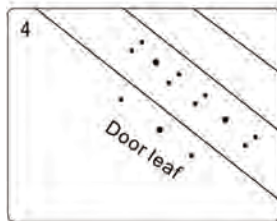
1 Template  
Fold the plate to 90° .



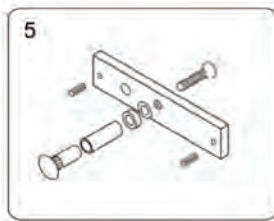
2 Door Frame  
Template  
Door leaf  
Close the door first, then place the upper side of template on door frame, while adjust the left side next to the door leaf.



3 Door Frame  
Template  
Door leaf  
Mark screw positions of armature plate and magnet lock on door leaf and door frame respectively.

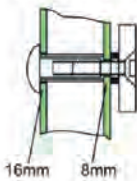


4 Door leaf  
Drill holes based on the marked positions.

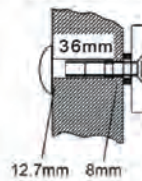


5 Make a combination based on the picture.

Hollow Metal Door    Wooden Door    Metal Surface Do



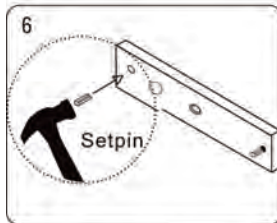
Drill a hole  
Inside: Diameter is 8mm  
Outside: Diameter is 16mm



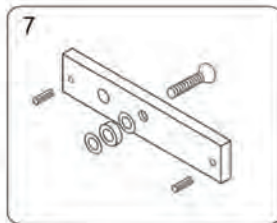
Drill a hole  
Inside: Diameter is 8mm  
Outside: Diameter is 12.7mm



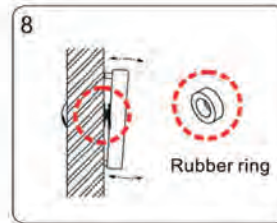
Inside: Drill a hole diameter is 8mm fold the plastic straight pin



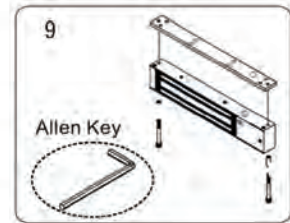
6 Setpin  
Strike the pin into the armature plate slightly (to avoid movement).



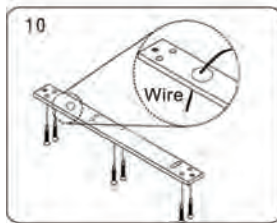
7 Make a combination based on the picture (add washer accordingly). The rubber ring must be added.



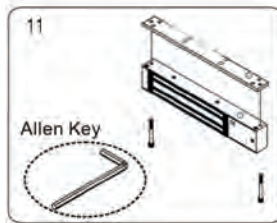
8 Rubber ring  
Place the rubber ring between armature plate and door leaf.



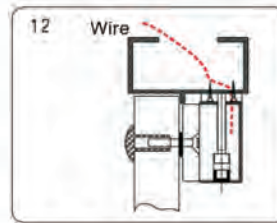
9 Allen Key  
Use Allen key to remove the mounting plate from lock body.



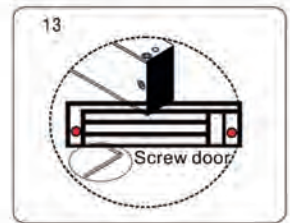
10 Wire  
Fix the mounting plate on the door frame according to the holes drilled earlier.



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



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



13 Screw door  
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.

The diagram shows a cross-section of a door frame labeled 'Door Frame' and an 'Outswing door' with an arrow pointing left. The L bracket is shown in a separate photograph to the right.

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

The diagram shows a cross-section of a door frame and an 'Inswing door' with an arrow pointing right. The ZL bracket is shown in a separate photograph to the right.

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

The diagram shows a cross-section of a 'Frameless glass door' with the U bracket installed. A photograph of the U bracket is shown to the right.

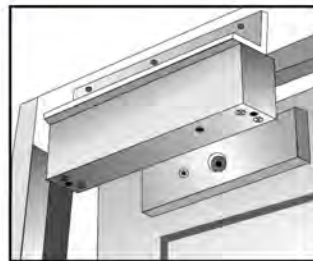
**I Bracket for armature plate**  
When the door frame is too thick, I bracket is needed.

The diagram shows a cross-section of a 'Frame' and a 'Door Leaf' with an 'Armature Bracket' installed. A photograph of the I bracket is shown to the right.

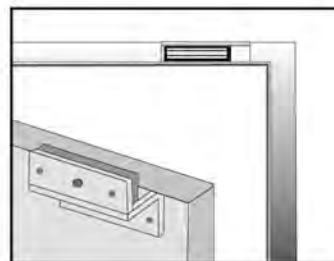
► **Installation Instruction**



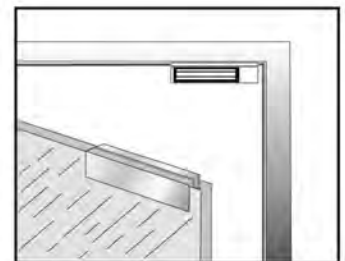
Demonstration of I Bracket Installation



Demonstration of L Bracket Installation



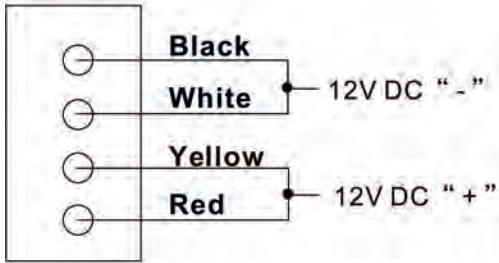
Demonstration of ZL Bracket Installation



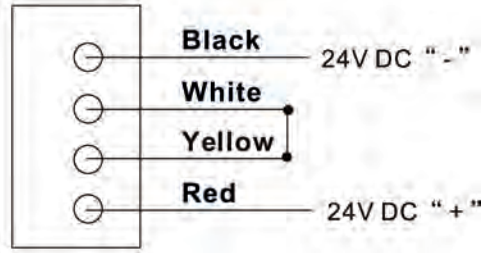
Demonstration of UL Bracket Installation

## ► Circuit Board Diagram

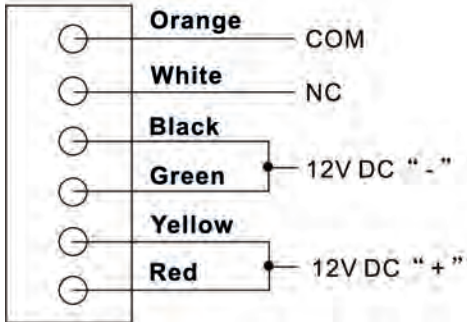
**A. 12V DC Input**



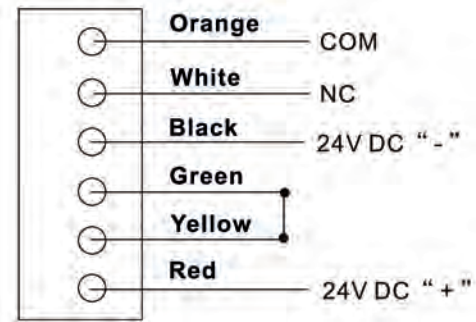
**B. 24V DC Input**



**A. 12V DC Input**



**B. 24V DC Input**



## ► Wire Connection

