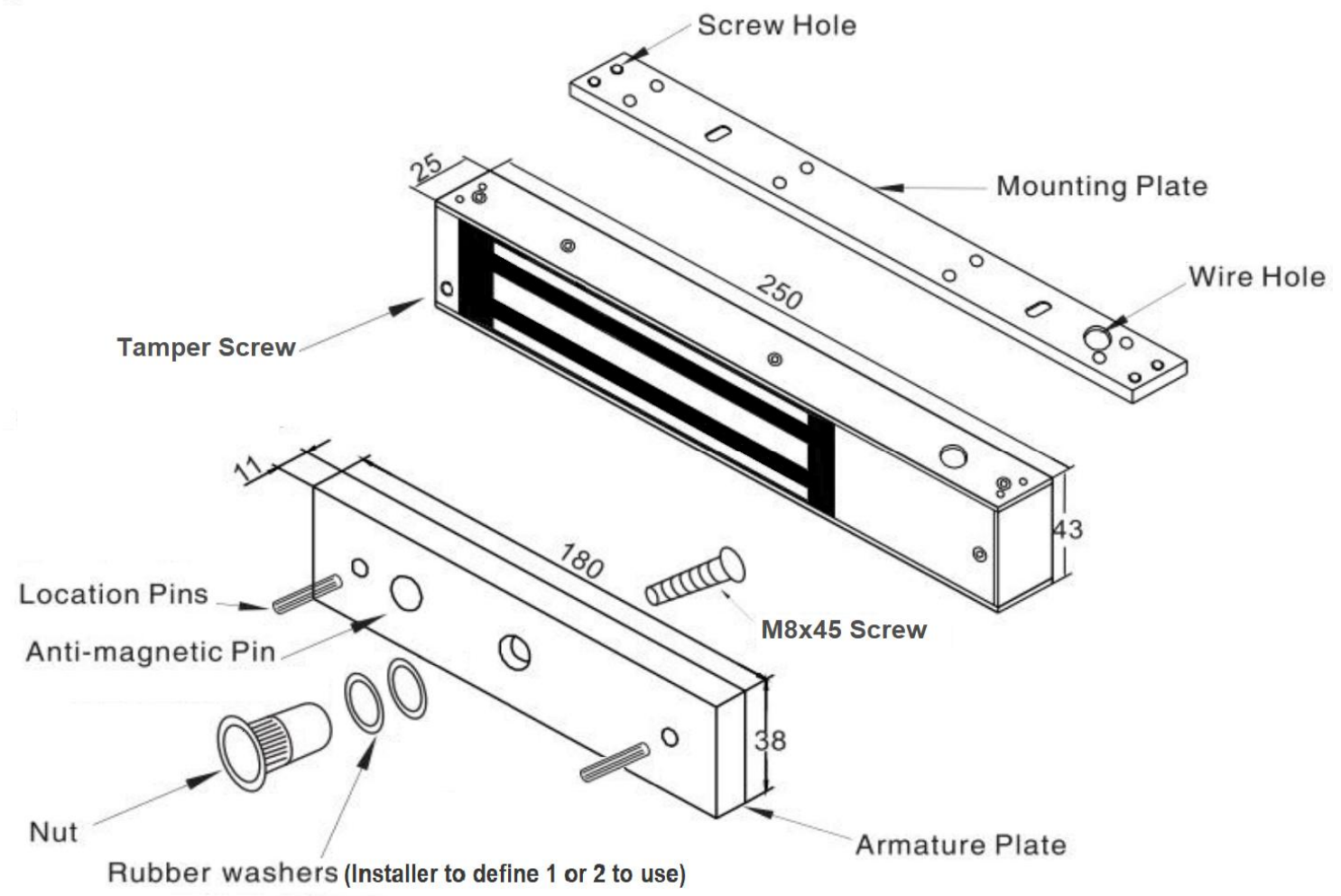
USER GUIDE

280KG MONITORED MAGNETIC LOCK
WBX280S-M



INSTALLATION CAUTIONS

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

B.*Check the jumpers' position before connecting. Figure out if it represents 12VDC or 24VDC.*

C.*Please keep the surface of the lock clean, or the force will be reduced with dust, glue or tape on it.*

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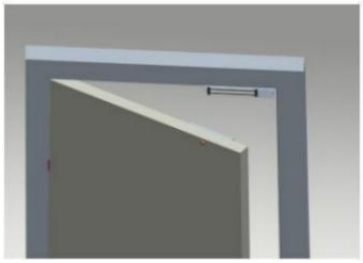
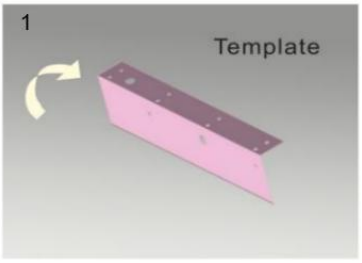
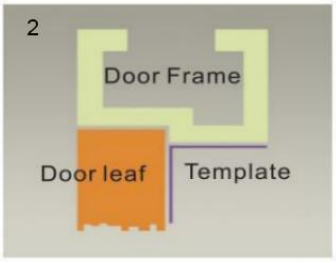
General Installation



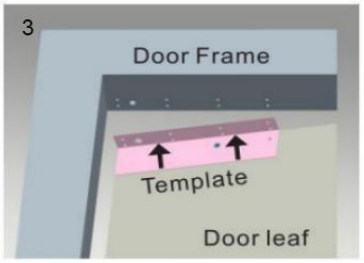
Steps



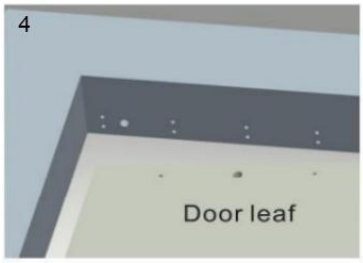
Fold the plate to 90° .



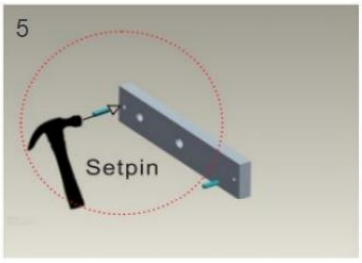
Close the door first, then place the upper side of template on door frame, while adjust the left side next to the door leaf.



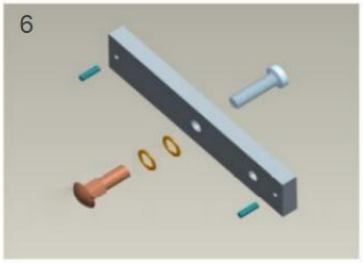
Mark screw positions of armature plate and magnetic lock on door leaf and door frame respectively.



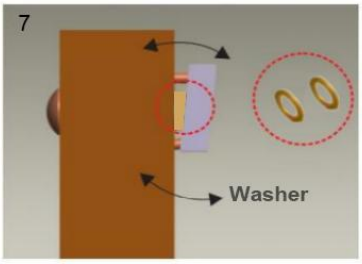
Drill holes based on the marked positions.



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

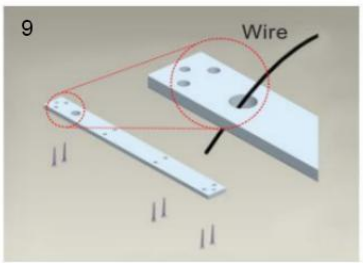


Make a combination based on the picture.

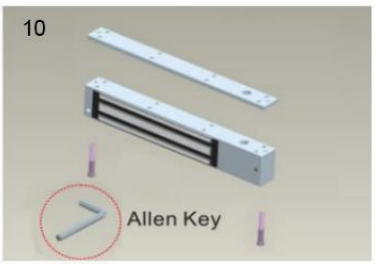


Place the washer between armature and door leaf. **(1 or 2 as needed)**

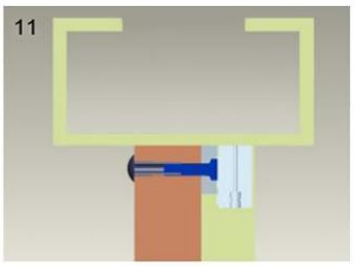
Use Allen key to remove the mounting plate from lock body.



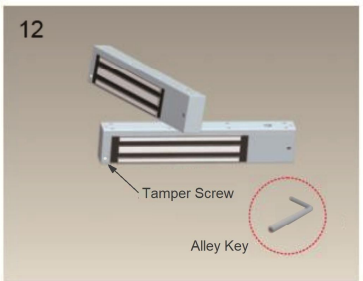
Fix the mounting plate on the door frame according to the holes drilled earlier.



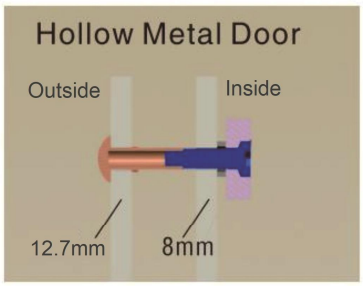
Use Allen key to screw the lock body on the mounting plate.



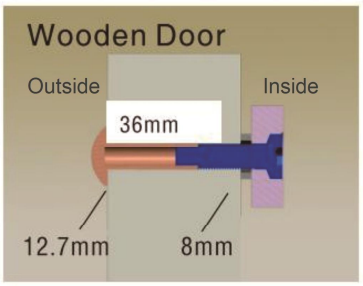
Close the door to test holding force. The angle between armature plate and lock can be adjusted slightly by adding or reducing washers.



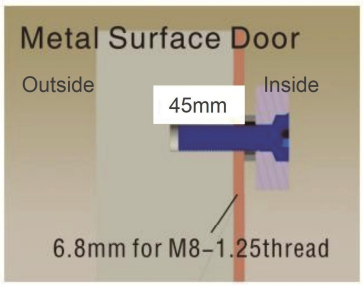
After all the appropriate procedures, holding forece can be maximized. Finally, fix the tamper switch by Allen Key.



Holes Drilling
First, drill a Φ8mm hole through the door from inside to outside.
Then, enlarge the outside one to Φ12.7mm



Holes Drilling
First, drill a Φ8mm hole through the door from inside to outside.
Then, enlarge the hole from outside to Φ12.7mm@36mm depth.



Holes Drilling
First, drill a Φ6.8mm @45mm depth from inside to outside.
Then, tap the hole with M8-1.25 thread tap.

Packaging List

Magnetic Lock x 1, Armature Plate x 1
User Guide x 1, Drill Template x 1
Armature Screw M8*45 x 1
Armature Nut M8*25 x 1
Tapping Screw M4*25 x 6
Location Pin x 2
Rubber Washer x 2
Allen Key x 1

Notice:

Thickness of Door Leaf:
350LBS:44mm 600LBS:50mm
800LBS:48mm 1200LBS:46mm

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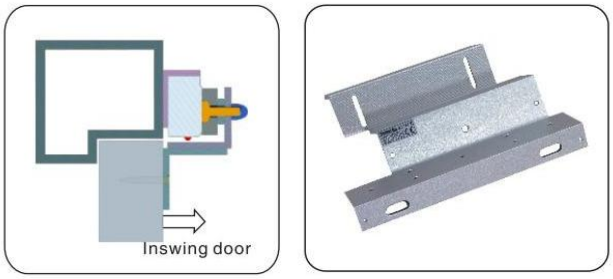
Brackets Installation

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

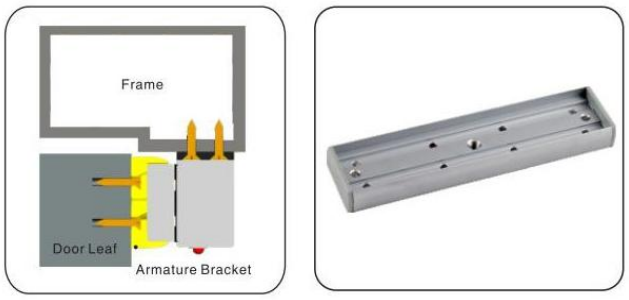
ZL Bracket- For inward opening door

For inward opening door, ***WBX280ZL*** bracket is needed



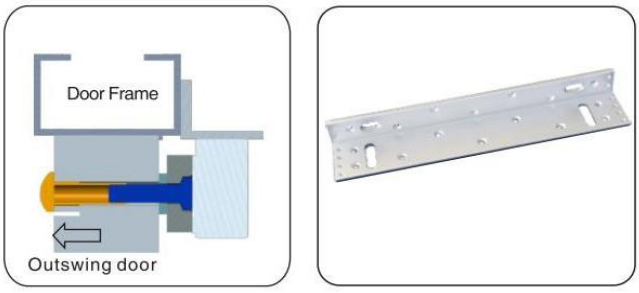
I Bracket- For armature plate

When the door frame is too thick ***WBX280AS*** bracket is needed



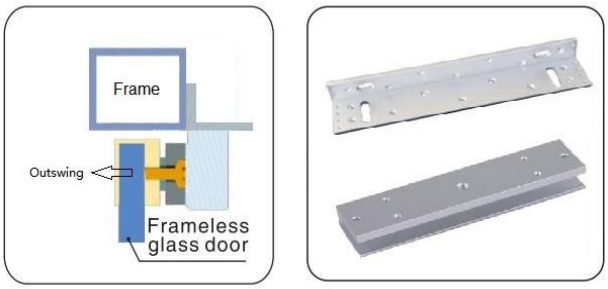
L Bracket- For outward opening door

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

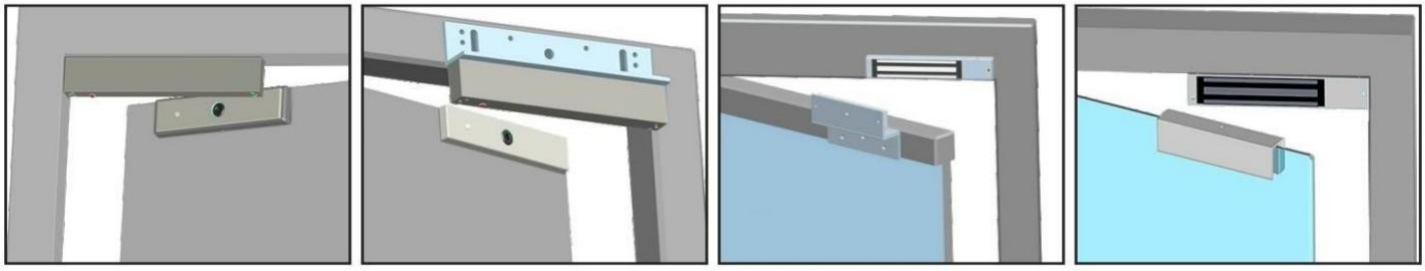


UL Bracket- For frameless glass door

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



Brackets Demonstration



Demonstration of I Bracket Installation

Demonstration of L Bracket Installation

Demonstration of ZL Bracket Installation

Demonstration of UL Bracket Installation

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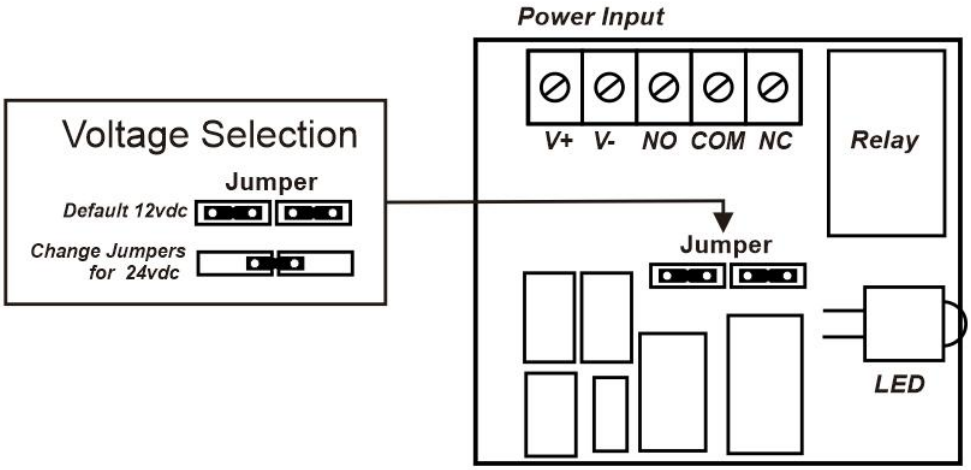
Circuit Board Diagram



A.12VDC Input(Default):

1. Check jumpers for 12VDC as above diagram
2. Connect the positive(+)lead from a 12VDC power source to V +.
3. Connect the ground(-)lead from a 12VDC power source to V-.
4. After the lock is powered:

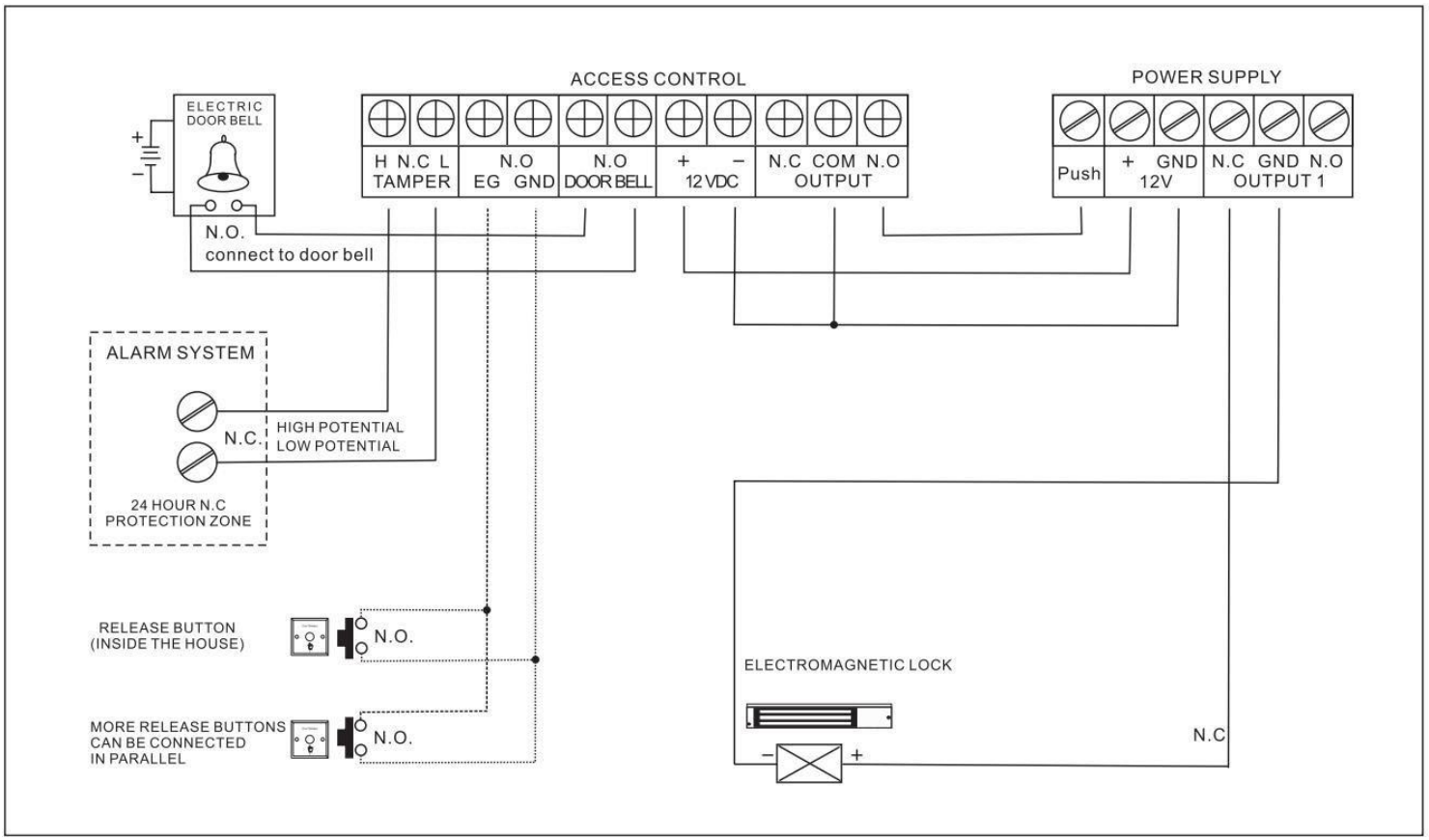
a: Lock not locked well ,LED is RED , NO/COM is open &NC/COM is close

b:Lock locked well ,LED is Green , NO/COM is close &NC/COM is open

B.24VDC Input(By Changing Jumpers):

1. Check jumpers for 24VDC as above diagram
2. Connect the positive(+)lead from a 24VDC power source to V +.
3. Connect the ground(-)lead from a 24VDC power source to V-.
4. After the lock is powered:

a: Lock not locked well ,LED is RED , NO/COM is open &NC/COM is close

b:Lock locked well ,LED is Green , NO/COM is close &NC/COM is open

Typical System Wire Connection