

280 KG Magnetic Lock



BARFAS

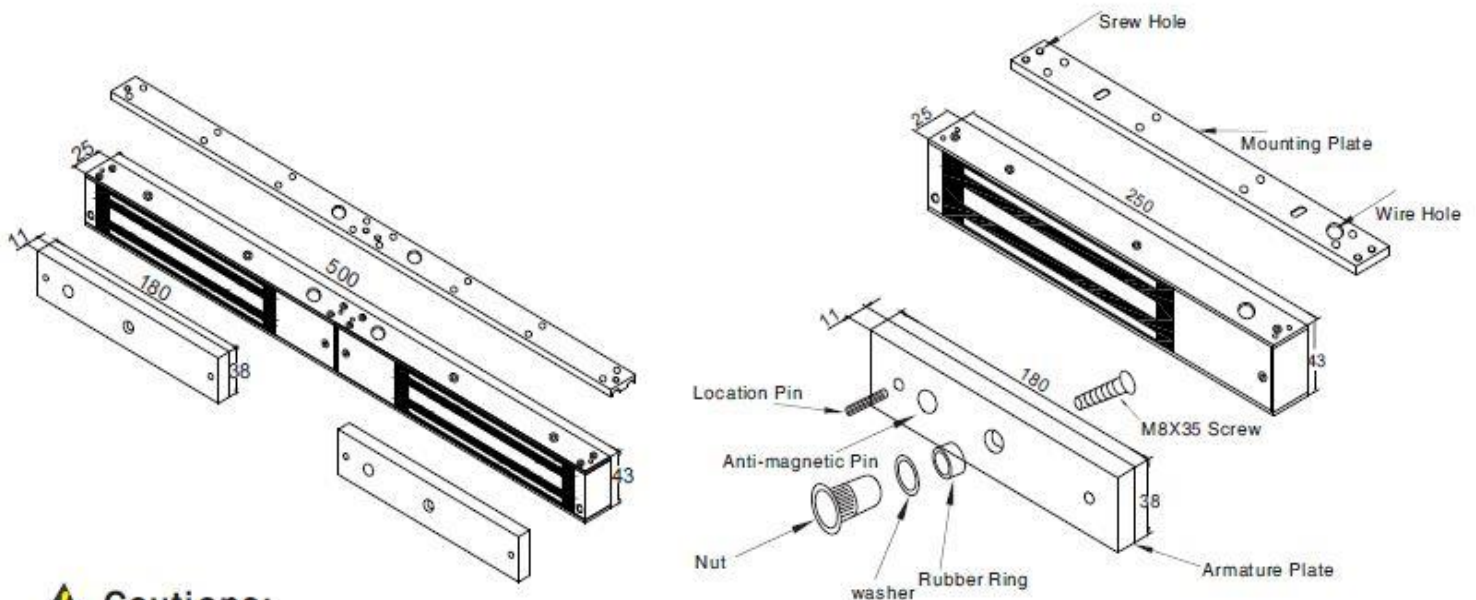
Specification

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Model	Size(unit:mm)	Voltage	Current	Holding Force	Lock Signal	Door Singal	Door
EL-280	250Lx48.5Wx25H	12V/24V DC	12V/500MA 24V/250MA	280kg(600Lbs)	No	No	Single
EL-280D	500Lx48.5Wx25H	12V/24V DC	12V/500MAx2 24V/250MAx2	280kgx2(600Lbsx2)	No	No	Double
EL-280(LED)	250Lx48.5Wx25H	12V/24V DC	12V/500MA 24V/250MA	280kg(600Lbs)	Yes	No	Single
EL-280(LED)-DS	250Lx48.5Wx25H	12V/24V DC	12V/500MA 24V/250MA	280kg(600Lbs)	Yes	NO(B),NC(R) COM(Y)	Single
EL-280D(LED)EL	500Lx48.5Wx25H	12V/24V DC	12V/500MAx2 24V/250MAx2	280kgx2(600Lbsx2)	Yes	No	Double
EL-280D(LED)-DS	500Lx48.5Wx25H	12V/24V DC	12V/500MA 24V/250MA	280kgx2(600Lbsx2)	Yes	NO(B),NC(R) COM(Y)	Double

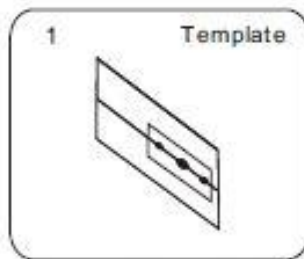
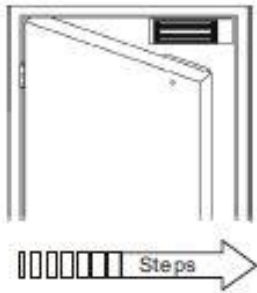
Diagram(unit:mm)

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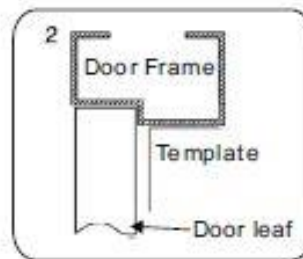


⚠ Cautions:

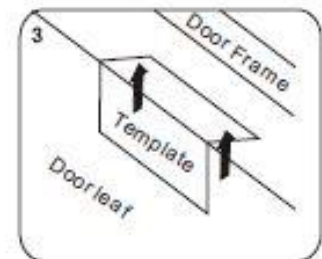
- The screw of armature plate should not be fixed too tight. Proper elasticity should be guaranteed for the rubber ring so that the armature plate can adjust itself to the appropriate position.
- Check the jumper's position before connecting. Figure out it represents 12VDC or 24VDC.



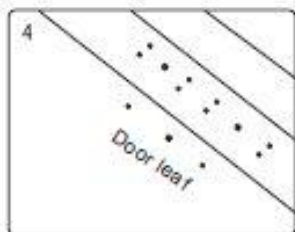
1 Template
Fold the plate to 90°.



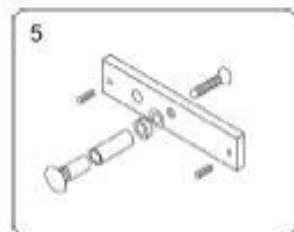
2 Door Frame
Template
Door leaf
Close the door first, then place the upper side of template on door frame, while adjust the left side next to the door leaf.



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

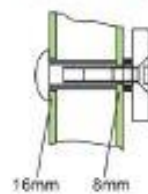


4 Door leaf
Drill holes based on the marked positions.

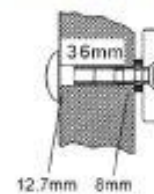


5 Make a combination based on the picture.

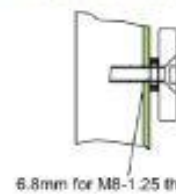
Hollow Metal Door Wooden Door Metal Surface Door



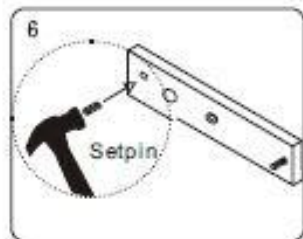
Drill a hole
Inside: Diameter is 8mm
Outside: Diameter is 16mm



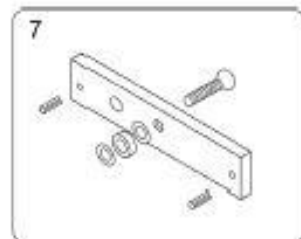
Drill a hole
Inside: Diameter is 8mm
Outside: Diameter is 12.7mm



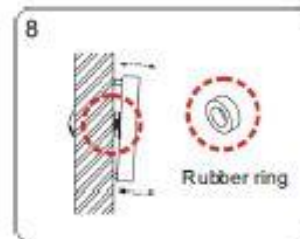
Inside: Drill a hole diameter is 8mm folding the plastic straightpin



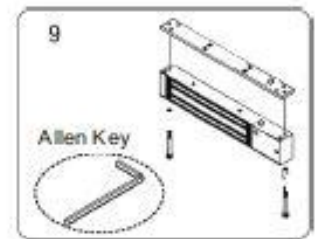
6 Setpin
Strike the pin into the armature plate slightly (to avoid movement).



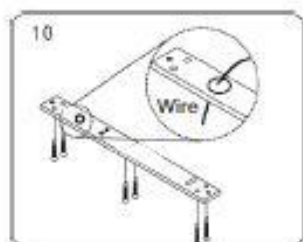
7 Make a combination based on the picture (add washer accordingly). The rubber ring must be added.



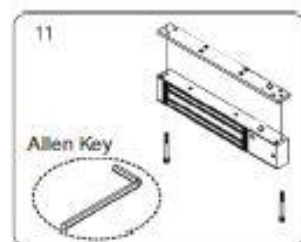
8 Rubber ring
Place the rubber ring between armature plate and door leaf.



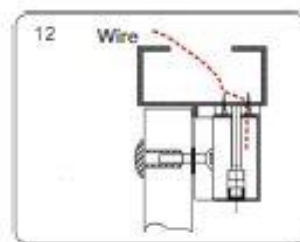
9 Allen Key
Use Allen key to remove the mounting plate from lock body.



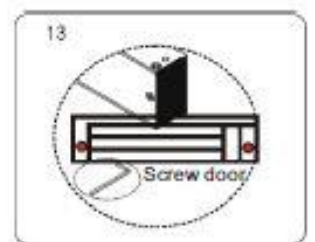
10 Wire
Fix the mounting plate on the door frame according to the holes drilled earlier.



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



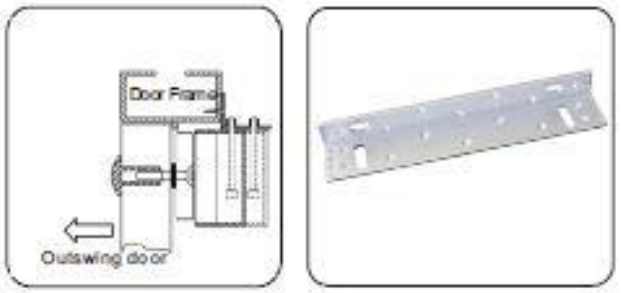
12 Wire
Close the door to test holding force. The angle between armature plate and magnetic lock can be adjusted by adding or reducing washers.



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

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.



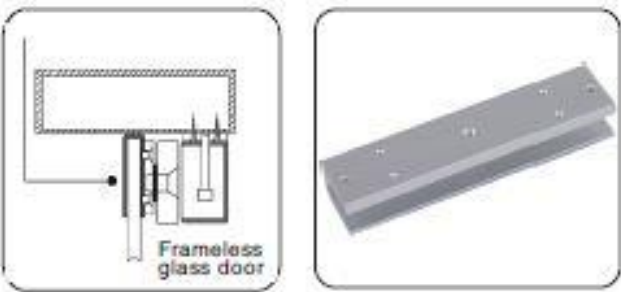
The diagram shows a cross-section of a door frame labeled 'Door Frame' with an arrow indicating an 'Outswinging door'. To the right is a 3D perspective view of the L-shaped bracket.

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




The diagram shows a cross-section of a door frame with an arrow indicating an 'Inswinging door'. To the right is a 3D perspective view of the Z-shaped bracket.

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

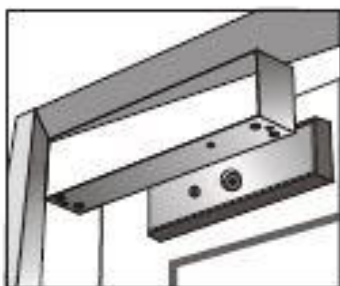


The diagram shows a cross-section of a 'Frameless glass door' with a U-shaped bracket. To the right is a 3D perspective view of the U-shaped bracket.

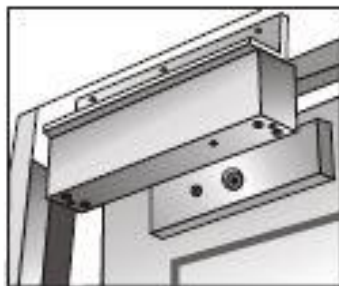
I Bracket for armature plate
 When the door frame is too thick, I bracket is needed.



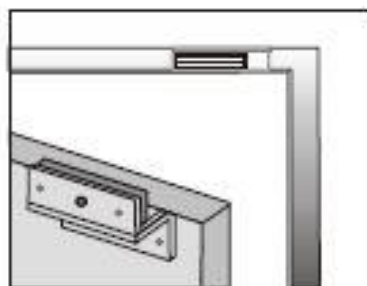
The diagram shows a cross-section of a door frame with labels for 'Frame', 'Door Leaf', and 'Armature Bracket'. To the right is a 3D perspective view of the I-shaped bracket.



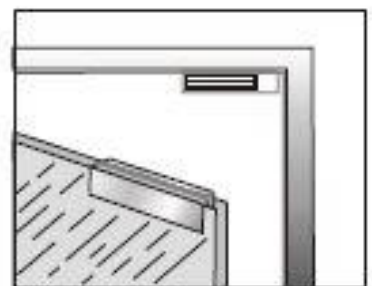
Demonstration of I Bracket Installation



Demonstration of L Bracket Installation



Demonstration of ZL Bracket Installation



Demonstration of UL Bracket Installation

A. 12VDC Input:

Required power 0.5Amp(Minimum).

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

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

Check jumper for 12 VDC operation.

B. 24VDC Input:

Required power 0.25Amp(Minimum).

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

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

Check jumper for 24 VDC operation.

