

Magnetic Lock

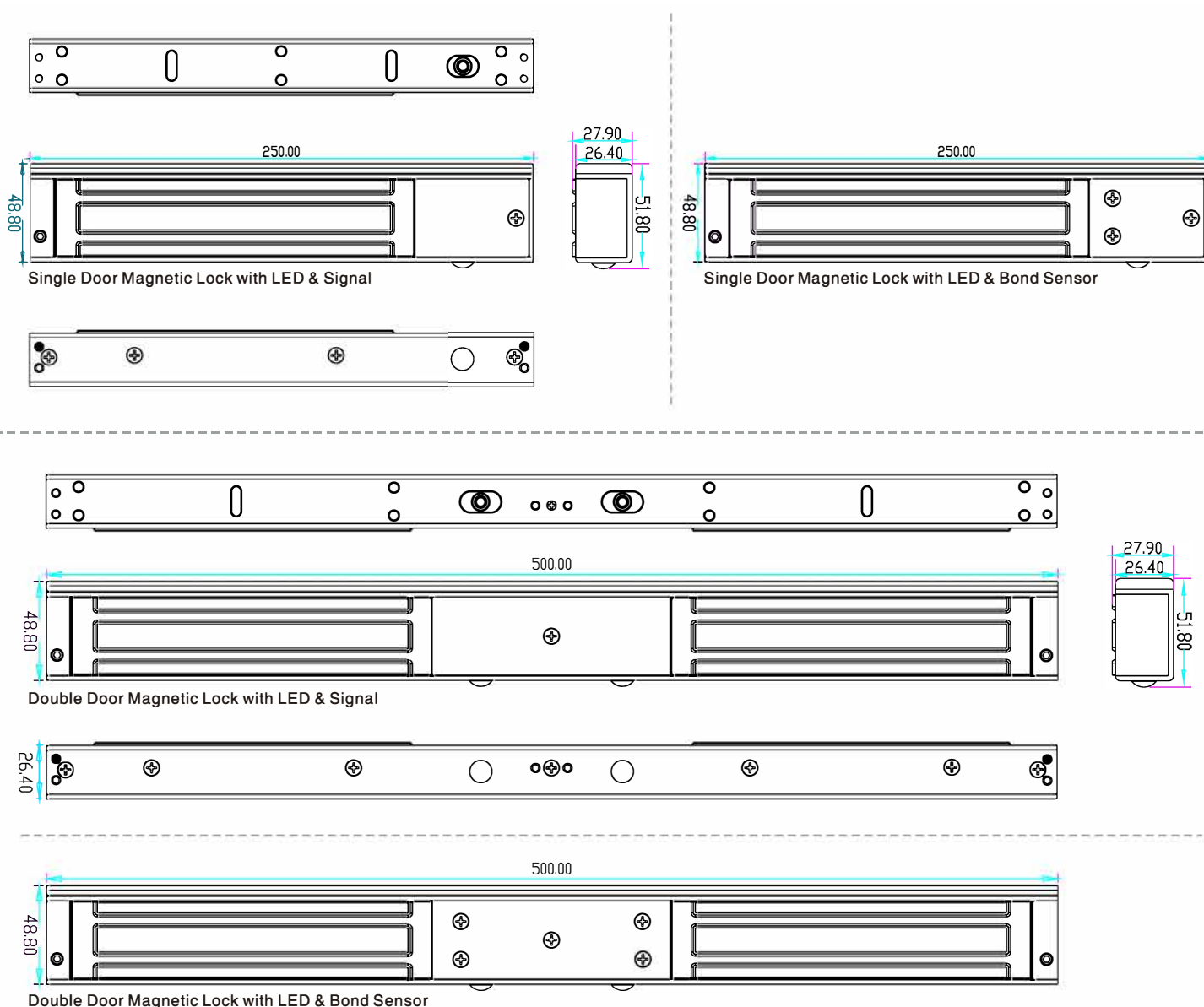
600 lb (280 kg)



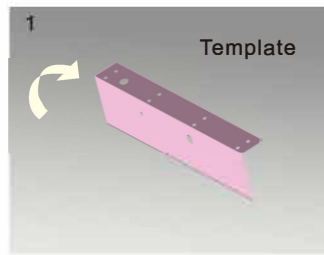
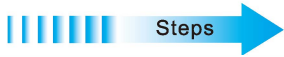
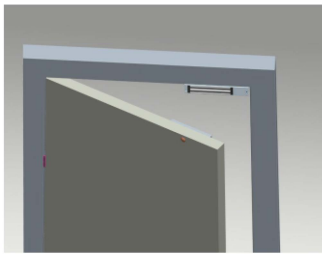
Specification

Dimensions (L x W x H)	Voltage	Current	Holding Force	Lock Signal	Door Signal	Door
9.84 x 2 x 1 in. (250 x 51.8 x 27.9 mm)	12 / 24 V DC	12 V / 520 mA 24 V / 260 mA	600 lbs (280 kg)	NO / NC / COM	No	Single Door
9.84 x 2 x 1 in. (250 x 51.8 x 27.9 mm)	12 / 24 V DC	12 V / 520 mA 24 V / 260 mA	600 lbs (280 kg)	NO / NC / COM	NO / NC / COM	Single Door
19.6 x 2 x 1 in. (500 x 51.8 x 27.9 mm)	12 / 24 V DC	12V/520 mA x 2 24 V / 260 mA x 2	600 lbs x 2 (280 kg x 2)	NO / NC / COM	No	Double Door
19.6 x 2 x 1 in. (500 x 51.8 x 27.9 mm)	12 / 24 V DC	12V/520 mA x 2 24 V / 260 mA x 2	600 lbs x 2 (280 kg x 2)	NO / NC / COM	NO / NC / COM	Double Door

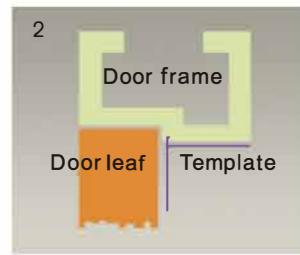
Diagram(unit:mm)



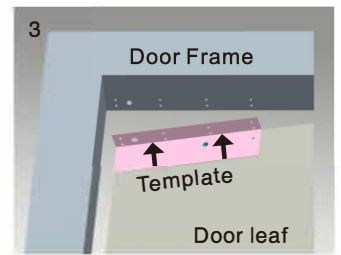
Installation



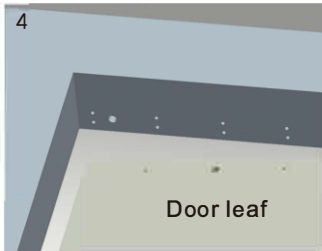
1 Fold the plate to 90° .



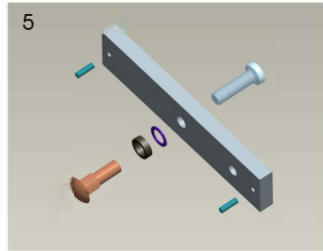
2 Close the door first, then place the upper side of template on door frame, while adjusting the left side next to the door leaf.



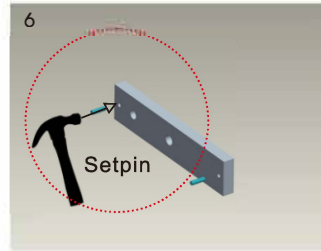
3 Mark screw positions of armature plate and magnetic lock on door leaf and door frame respectively.



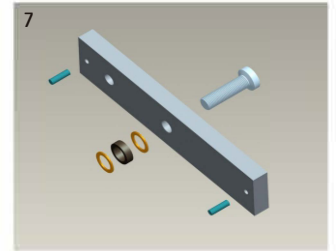
4 Drill holes based on the marked positions.



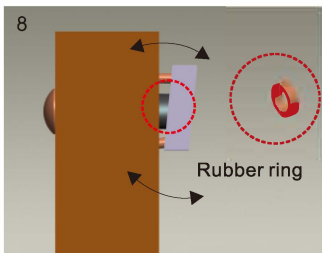
5 Make a combination based on the picture.



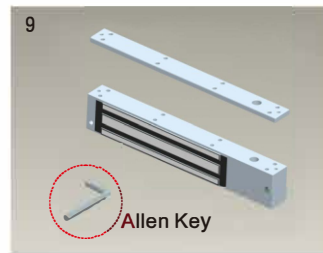
6 Strike the pin into the armature plate slightly (to avoid movement).



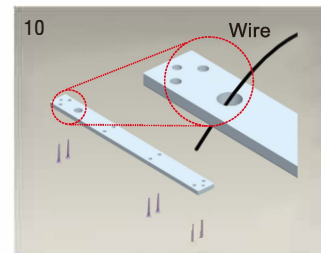
7 Make a combination based on the picture (add washer accordingly). The rubber ring must be included.



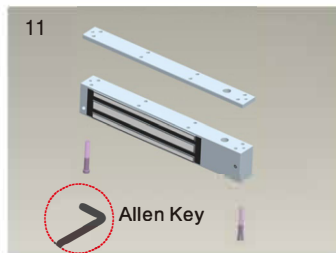
8 Place the rubber ring between armature plate and door leaf.



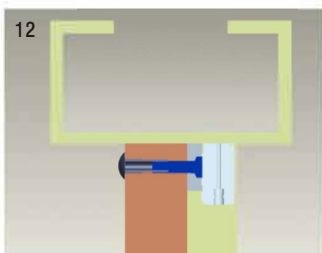
9 Use Allen key to remove the mounting plate from lock body.



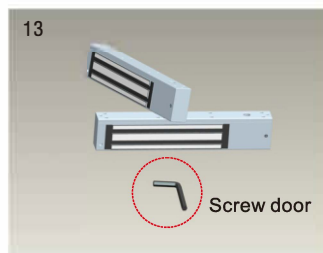
10 Fix the mounting plate on the door frame according to the holes drilled earlier.



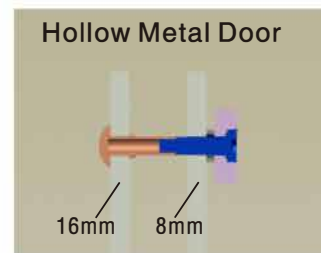
11 Use Allen key to screw the lock body onto the mounting plate.



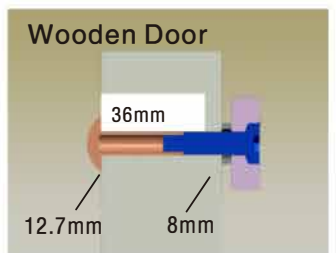
12 Close the door to test holding force. The angle between armature plate and magnetic lock can be adjusted by adding or reducing washers.



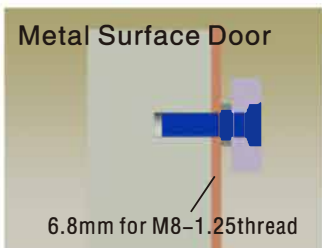
13 After completing these procedures, the holding force can be maximized. Finally, affix the tamper screw.



Hollow Metal Door
Drill a hole
Inner diameter is 8 mm
Outer diameter is 16 mm



Wooden Door
Drill a hole
Inner diameter is 8 mm
Outer diameter is 12.7 mm



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

Notice: Required Thickness of Door Leaf:

350 lbs: 1.75 in. (44 mm) / 600 lbs: 1.9 in. (50 mm) /
800 lbs: 1.8 in. (48 mm) / 1,200 lbs: 1.8 in. (46 mm)

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

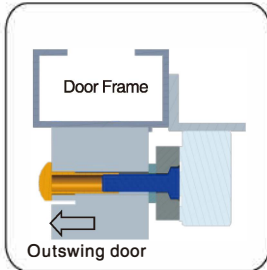
B. Check the jumper's position before connecting. Determine which voltage to use: 12 V DC or 24V DC.

Bracket Installation

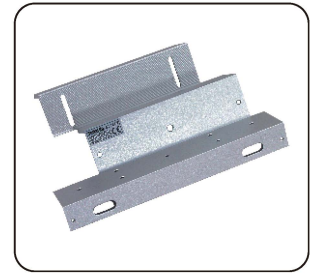
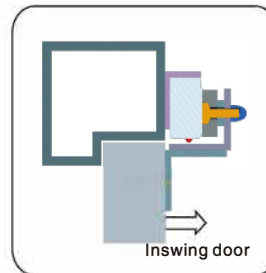
Various brackets are available for the various types of doors. For example, narrow doors, frameless glass doors, and inward opening doors.

L-Bracket for outward opening door

*When the door frame thickness is less than 1.6 in. (42 mm), an "L" bracket is needed.

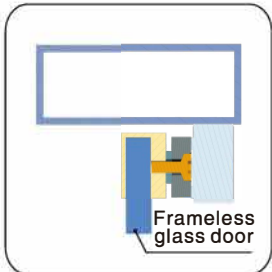


ZL-Bracket for inward opening door



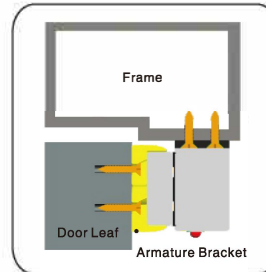
U-Bracket

For frameless glass doors.

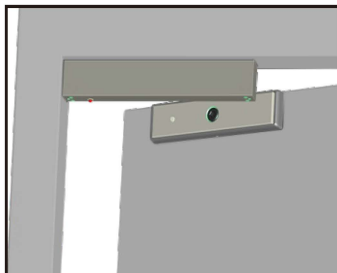


I-Bracket for armature plate

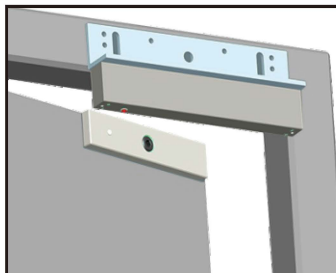
*For thicker door frames, an I-bracket is needed.



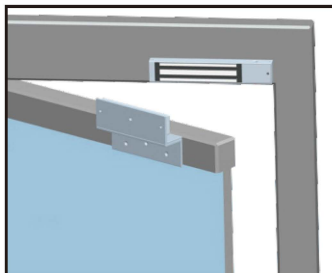
Installation Instructions



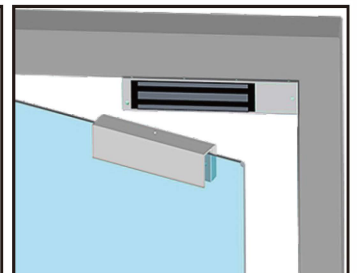
I-Bracket



L-Bracket



ZL-Bracket



U-Bracket

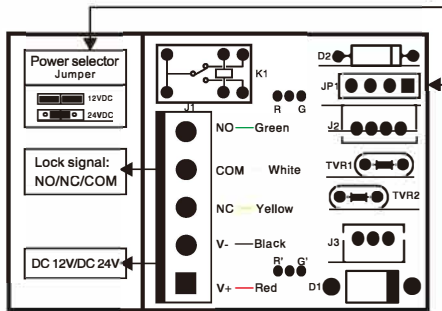
Circuit Board Diagram

A. 12 V DC Input:

Connect the positive(+) lead from a 12 V DC power source to V +.
Connect the ground(-) lead from a 12 V DC power source to V -.
Check jumper for 12 VDC operation.

B. 24 V DC Input:

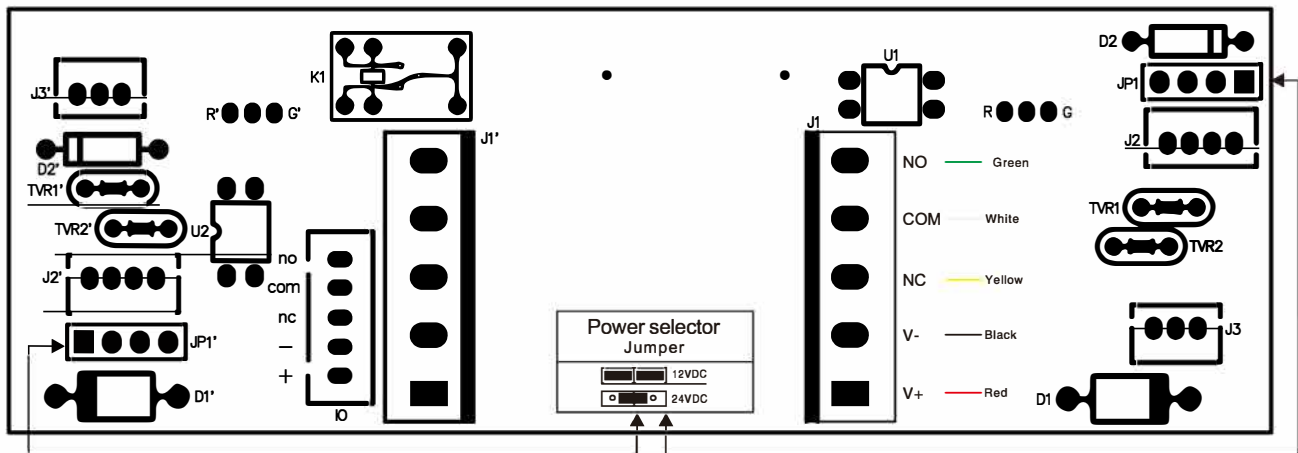
Connect the positive(+) lead from a 24 V DC power source to V +.
Connect the ground(-) lead from a 24 V DC power source to V -.
Check jumper for 24 V DC operation.



Door Sensor	
Red	NC
Yellow	COM
Black	NO

Equipped with door signal & lock signal. Magnetic lock will be equipped with NO / NO / COM lock status sensor.

Mode of Connection: Alternative green wiring terminal or the white plug. The lock signal output is normal only when it detects the double door is locked.



Wire Connection

