

1. Specification

Model	Size(unit:mm)	Voltage	Current	Hoding Force	Lock Signal	Door Signal	Door
EL-180A	170L*42W*21H	12/24VDC	12V/300mA 24V/150mA	180kg(350Lbs)	No	No	Single Door
EL-180B	340L*42W*21H	12/24VDC	12V/300mA*2 24V/150mA*2	180kg*2(350Lbs*2)	No	No	Double Door
EL-180AS	170L*42W*21H	12/24VDC	12V/300mA 24V/150mA	180kg(350Lbs)	Yes	No	Single Door
EL-180BS	340L*42W*21H	12/24VDC	12V/300mA*2 24V/150mA*2	180kg*2(350Lbs*2)	Yes	No	Double Door

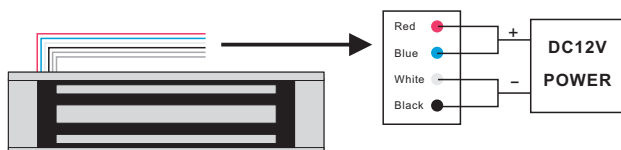
2. Application Range

1. Door Types: Wooden door, Glass door, Metal door, Fireproof door.
2. Control Mode: Building intercom system, Access control system.

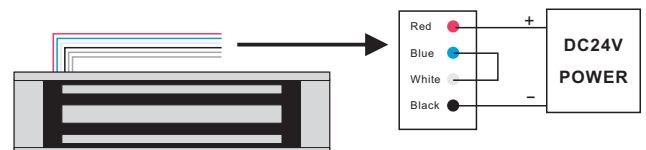
3. Note

1. Using powerful power supply, output voltage should be DC12V±10%,cable >0.75mm.
2. Don' hurt the galvanization layer during the installation.
3. Ensure the mounting plate well attach to the lock body.
4. The rubber ring must be added between armature plate and door leaf, don't fasten the screw tightly, keep the rubber ring elastic.
5. Don't welded the mounting plate to the door, or will effect the lock.
6. Clean the slushing oil with cloth, don't use alkaline or pungent cleaner.

4. Wiring of Lock (Without signal output)

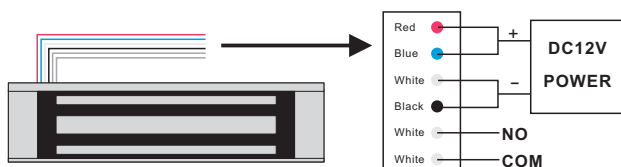


DC12V: Connect Red and Blue wire as Positive pole of "+",
Connect White and Black wire as Negative pole of "-"

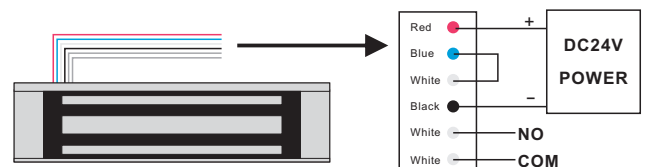


DC24V: Red wire is Positive pole of "+", black wire is Negative pole of "-"
and connect White and Blue wire.

5. Wiring of Lock (with signal output)



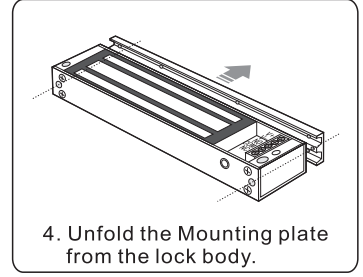
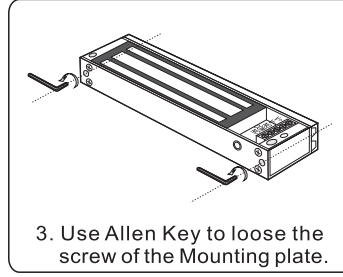
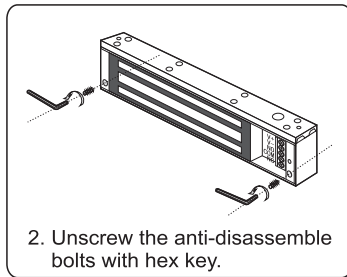
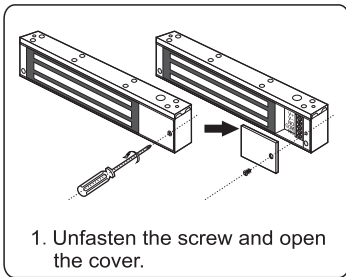
DC12V: Connect Red and Blue wire as Positive pole of "+",
Connect White and Black wire as Negative pole of "-"



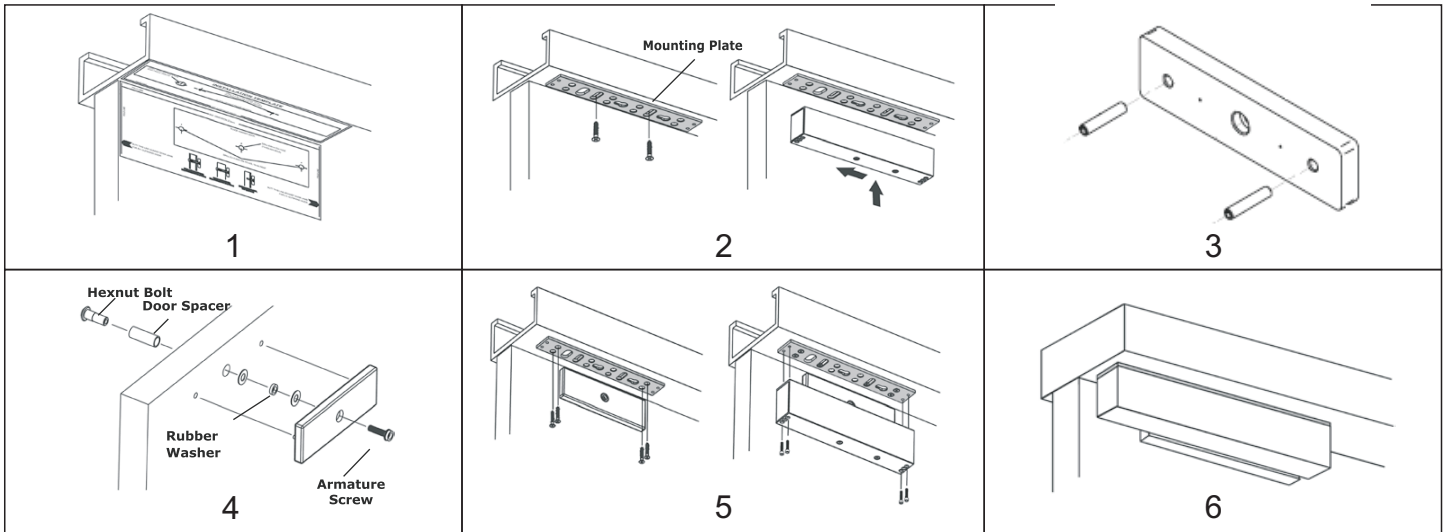
DC24V: Red wire is Positive pole of "+", black wire is Negative pole of "-"
and connect White and Blue wire.

6. Disassemble Procedure

Disassemble the cover and band before installing the lock.



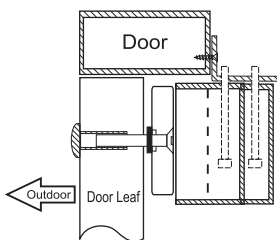
7. Standard Mounting Method



1. Use the supplied template to determine the correct location and size of mounting holes for both the door and frame header. Ensure that the door opens away from the Maglock. In the case of a single door, the Maglock is positioned as close as possible to the vertical section of the door jamb. Drill door and frame as indicated.
2. Loosely install the mounting plate using two of the supplied Philips head mounting screws in the elongated slots. Attach the Maglock to the mounting plate.
3. Using a hammer, lightly tap both roll pins into the armature plate until they are secure.
4. Before installing the Hexnut, the hole in the door may need to be drilled or tapped. Refer to page 2 for this information. Using the components shown in the image to the right, mount the armature to the door. Make sure that the armature plate is not over tightened and that it is installed as shown in the following diagram. The armature plate must be free to self align with the door.
5. Ensure the armature and magnet are aligned. Adjust the mounting plate to suit and then drill the appropriate sized holes in the door header for the remaining attachment screws.
6. Close the door to test holding force. The angle between armature plate and magnetic lock can be adjusted by adding or reducing washers.

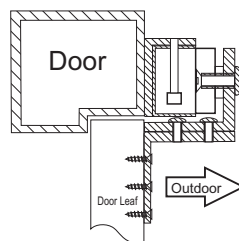
8. Bracket Mounting Method

When the door width is less than 42mm the width is not enough for Armature Plate of the magnetic lock installed, it need to add the additional L type bracket.



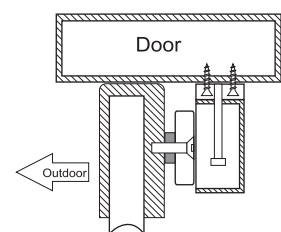
L Mounting Bracket

For in-swing door, install the lock body inside and then need to install the ZL bracket at the same time.



ZL Mounting Bracket

Magnetic locks installed in glass doors require extra U bracket (for 10-15mm glass door thick).



U Mounting Bracket