

# Electric Magnetic door Lock



**Model# AL 280D(LED)**

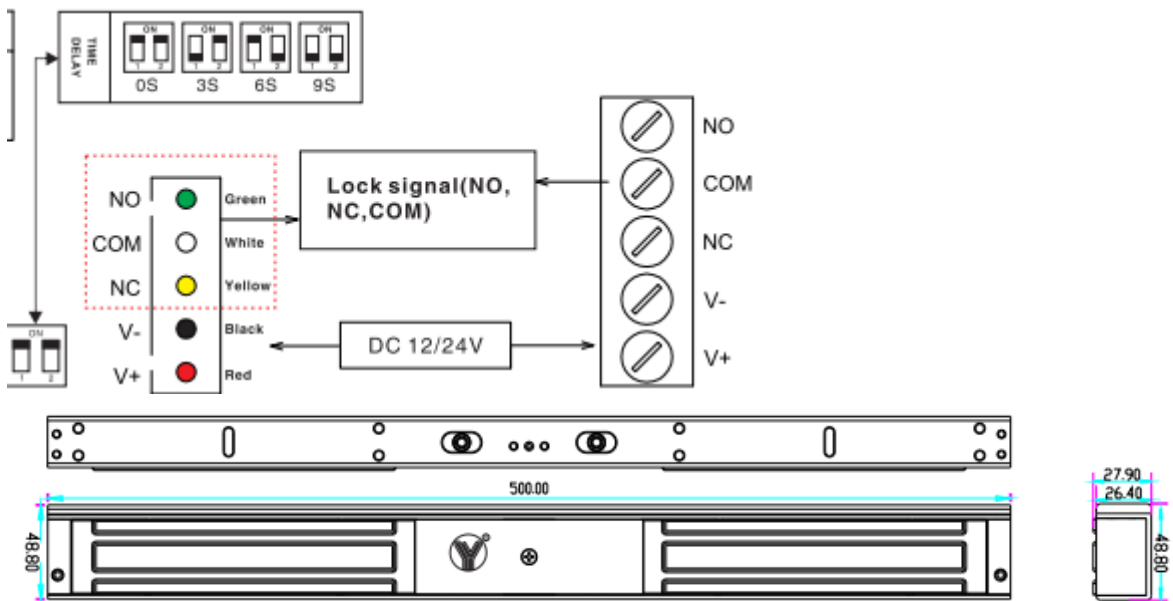
## GENERAL DESCRIPTION

AL 280D(LED) Magnetic lock with 600lbs (280kg) holding force for single door

Product Parameter	Parameter Description
Lock Size :	250Lx48.8Wx27.9H(mm)
Armature plate:	180Lx38.8Wx11H(mm)
Holding Force :	280kg (600Lbs)
Input Voltage :	12/24VDC Dual Voltage
Suitable for door:	Wooden door, Glass door, Metal door , Fireproof door
Signal Output :	Lock signal Status NO/NC/COM/+/-
Feature:	Fail Safe, Timer delay, feedback signal, 12V/24VDC dual voltage
LED:	Red shows unlocked; Green shows locked
Weight:	3.8kgs

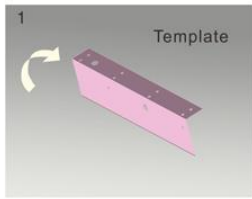
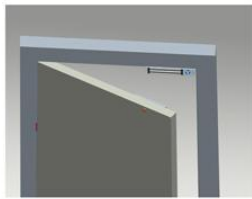
## FEATURES

- Collinear Load Test 280kg, 600pounds.
- Dual Voltage 12 or 24 VDC(optional).
- The Standard Voltage is 12VDC when Finished.
- MOV Provides Reverse Current Protection.
- Suitable For Wooden Door,Glass Door,Metal Door,Fireproof Door.
- LED Indicates the door Status.
- Lock Status sensor(NO/NC/COM)
- Door Status sensor(NO/NC/COM)
- Anti-Residual Magnetism Designed.
- High Strength Material,Anodized Aluminum Housing.
- Design without Mechanical Failure.
- Increase the holding Force,Dual Insulative Housing.

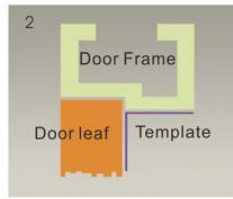


### STANDARD INSTALLATION STEPS

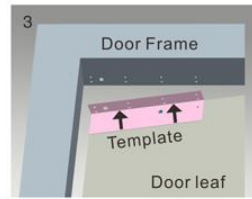
Professional guidance, Rest assured



1 Fold the plate to 90° .



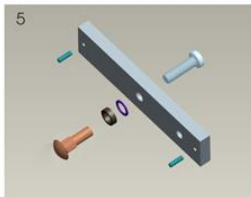
2 Close the door first, then place the upper side of template on door frame, while adjust the left side next to the door leaf.



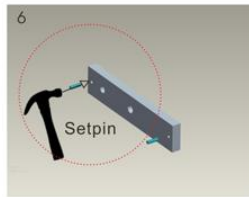
3 Mark screw positions of armature plate and magnetic lock on door leaf and door frame respectively.



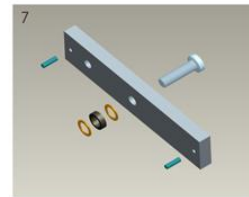
4 Drill holes based on the marked positions.



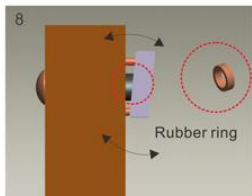
5 Make a combination based on the picture.



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



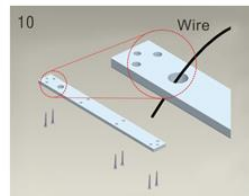
7 Make a combination based on the picture(add washer accordingly). The rubber ring must be added.



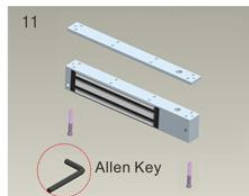
8 Place the rubber ring between armature plate and door leaf.



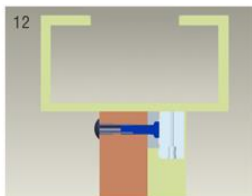
9 Use Allen key to remove the mounting plate from lock body.



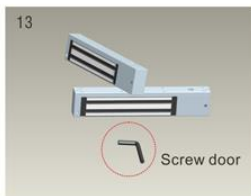
10 Fix the mounting plate on the door frame according to the holes drilled earlier.



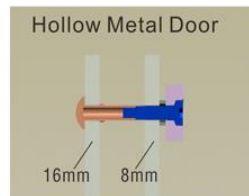
11 Use Allen key to screw the lock body on the mounting plate.



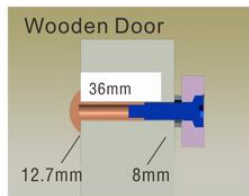
12 Close the door to test holding force. The angle between armature plate and magnetic lock can be adjusted by adding or reducing washers.



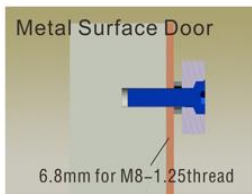
13 After all the appropriate procedures, the holding force can be maximized. Finally, fix the tamper screw.



Hollow Metal Door  
Drill a hole  
Inside: Diameter is 8mm  
Outside: Diameter is 16mm



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



Metal Surface Door  
6.8mm for M8-1.25thread  
Inside:Drill a hole diameter is 8mm folding the plastic straight pin

#### Notice:

Thickness of Door Leaf:

350LBS: 44mm	600LBS: 50mm
800LBS: 48mm	1200LBS: 46mm