



YLI ELECTRONIC

# Single Door Magnetic Lock with Camera

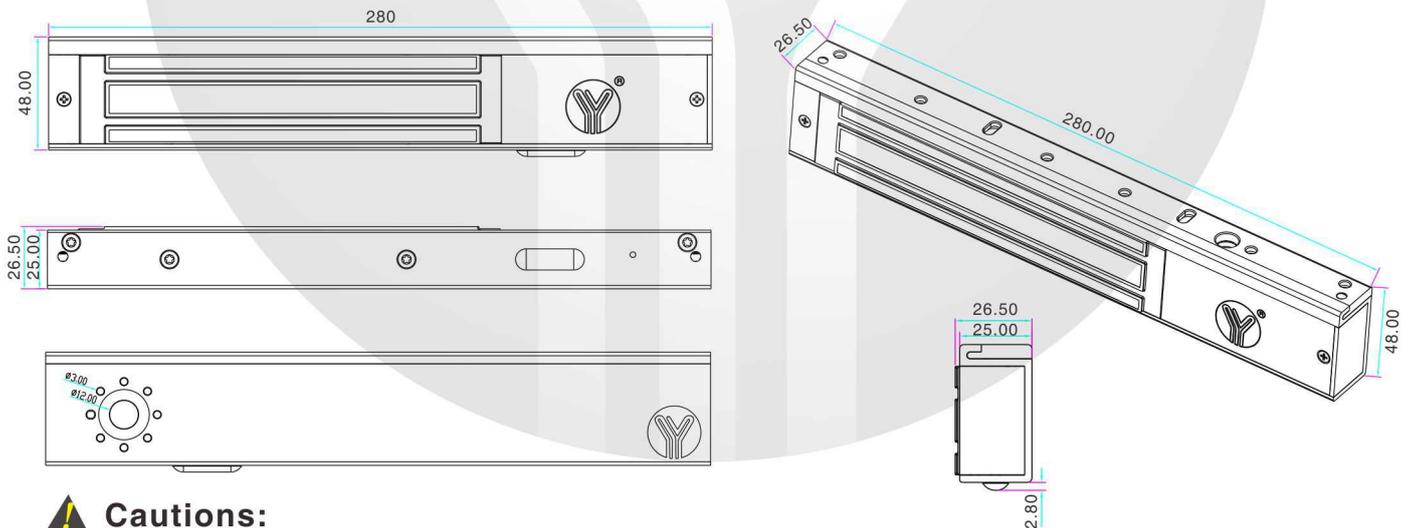


Model: YM-280CAM

## Specification

<b>Lock Size</b>	280Lx48Wx26.5H(mm)
<b>Holding Force</b>	280kg(600Lbs)
<b>Voltage</b>	DC12V / DC24V+10%
<b>Current</b>	12V/600mA 24V/300mA
<b>Signal Output</b>	Lock Singal NO/NC/COM
<b>LED Indication</b>	Red shows unlocked ;Green shows locked
<b>Time Delay</b>	0/3/6/9sec adjustable
<b>Suitable for</b>	Wooden door , Glass door ,Metal door , Fireproof door
<b>Video Pattern</b>	PAL/NTSC
<b>Resolution Ratio</b>	550TVL
<b>Video Output</b>	1Vp-p (75Ω/BNC)
<b>Visual Range</b>	7m
<b>Weight</b>	2.4kg

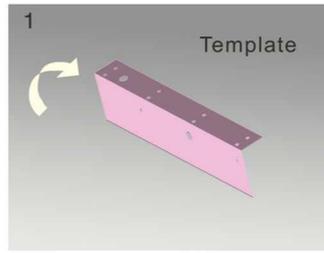
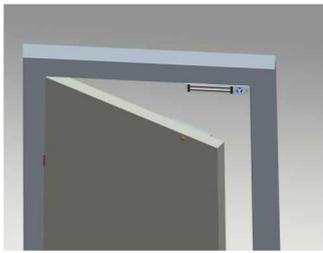
## Diagram(unit:mm)



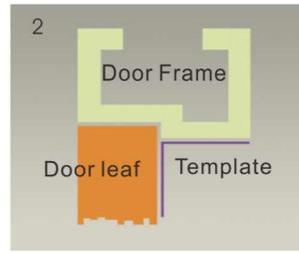
### ⚠ Cautions:

- A. 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.
- B. Check the jumper's position before connecting. Figure out it represents 12VDC or 24VDC.
- C. Please keep the surface of the lock clean, or the force will be reduced because of the dust, glue or scotch tape on it.

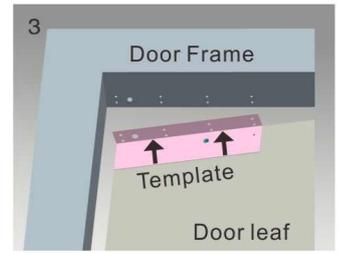
# Installation



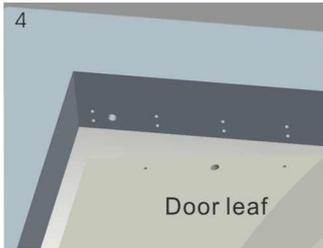
1 Fold the plate to 90° .



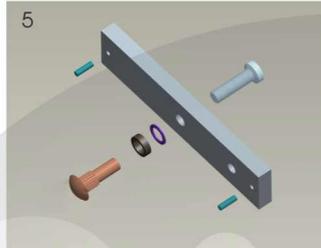
2 Close the door first, then place the upper side of template on door frame, while adjust the left side next to the door leaf.



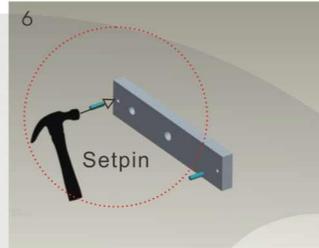
3 Mark screw positions of armature plate and magnetic lock on door leaf and door frame respectively.



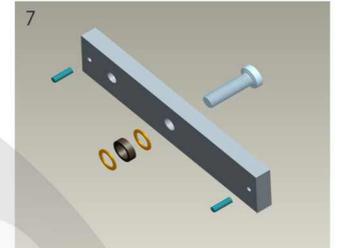
4 Drill holes based on the marked positions.



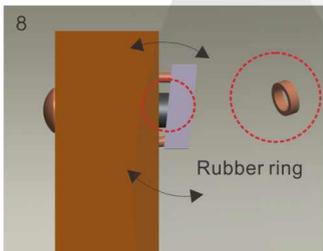
5 Make a combination based on the picture.



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



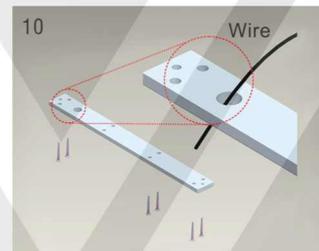
7 Make a combination based on the picture (add washer accordingly). The rubber ring must be added.



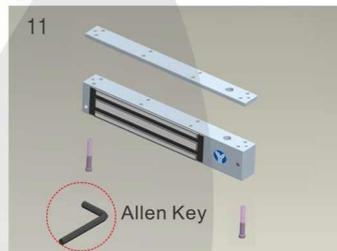
8 Place the rubber ring between armature plate and door leaf.



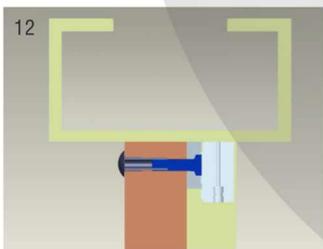
9 Use Allen key to remove the mounting plate from lock body.



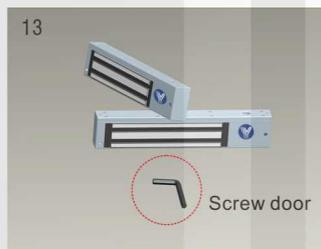
10 Fix the mounting plate on the door frame according to the holes drilled earlier.



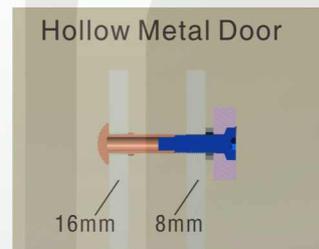
11 Use Allen key to screw the lock body on the mounting plate.



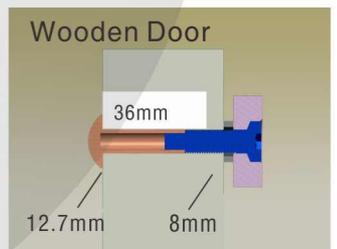
12 Close the door to test holding force. The angle between armature plate and magnetic lock can be adjusted by adding or reducing washers.



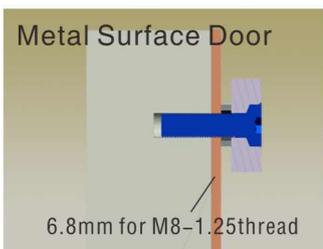
13 After all the appropriate procedures, the holding force can be maximized. Finally, fix the tamper screw.



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

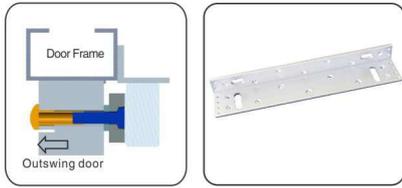
800LBS: 48mm

1200LBS: 46mm

## Bracket Installation

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.



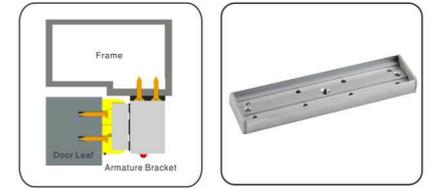
**U Bracket**

For the frameless glass door. U bracket is needed.

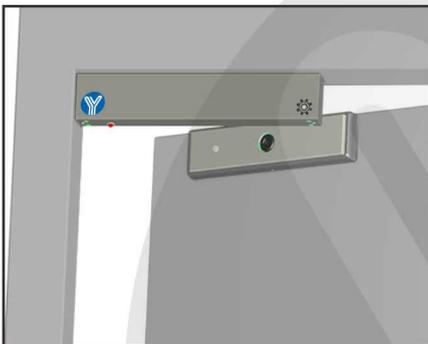


**I Bracket for armature plate**

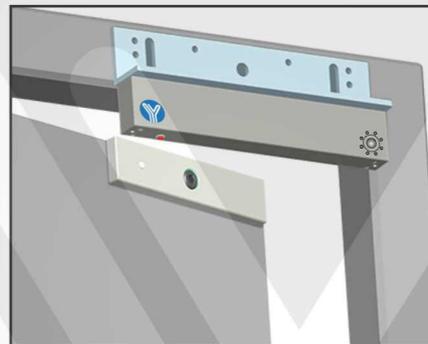
When the door frame is too thick, I bracket is needed.



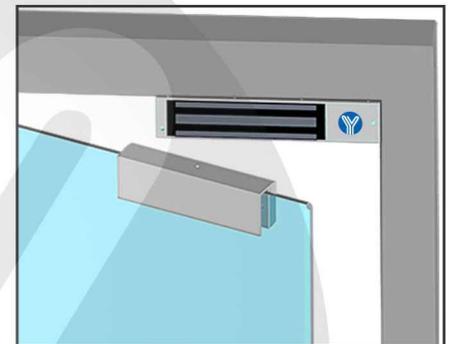
## Installation Instruction



Demonstration of I Bracket Installation



Demonstration of L Bracket Installation



Demonstration of UL Bracket Installation

## Circuit Board Diagram

**A. 12VDC Input:**

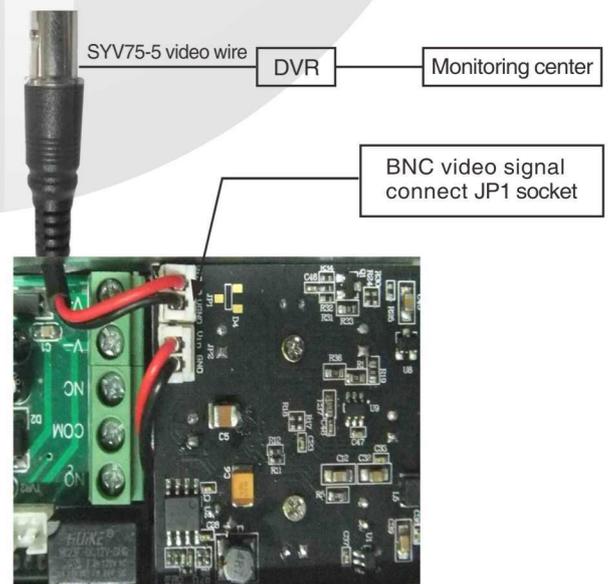
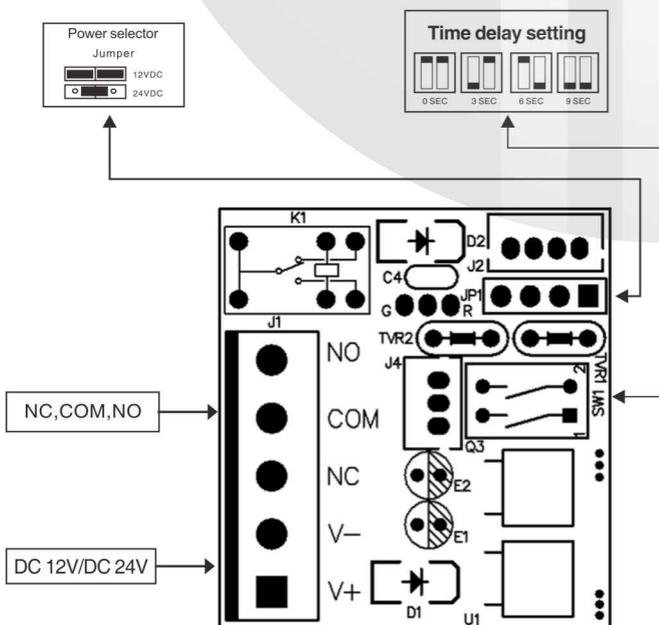
Connect the positive(+)lead from a 12VDC power source to V +.

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

**B. 24VDC Input:**

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

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



# Wire Connection

