



YLI ELECTRONIC

# Shear Lock

Model: YM-2400SL



## SPECIFICATION

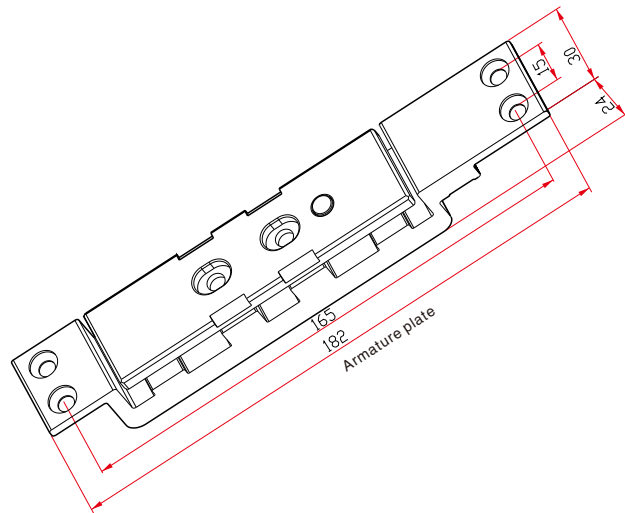
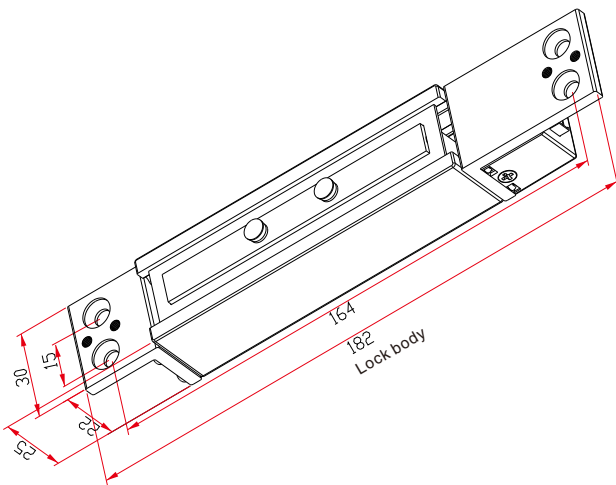
Power supply	DC 12V or 24V
Operation Current	12V/850mA;24V/450mA
Holding Current	12V/400mA;24V/280mA
Delay Time	0/5/10/15sec.
Door status sensor	NO/COM(0.1A@30VDC)
Lock status sensor	NO/NC/COM(0.1A@30VDC)
Holding Force	2600Lbs(1200kg)
Magnetic distance(max.)	3mm
LED	Red shows locked; Green shows unlocked
Lock Size	182L X 30W X 25D(mm)
Armature Plate	182L X 30W X 23.6D(mm)
Weight	1.2kg

Model Color	9 PIN Connection		
Red	DC 12V	Black	GND
Purple	Purple wire of the light	Orange	Orange wire of the light
Green	Door Positions Sensor NO	※	Dangling
Brown	Lock Positions Sensor NC	Blue	Lock Status Sensor NO
Gary	Lock Positions Sensor COM	White	Door Status Sensor COM

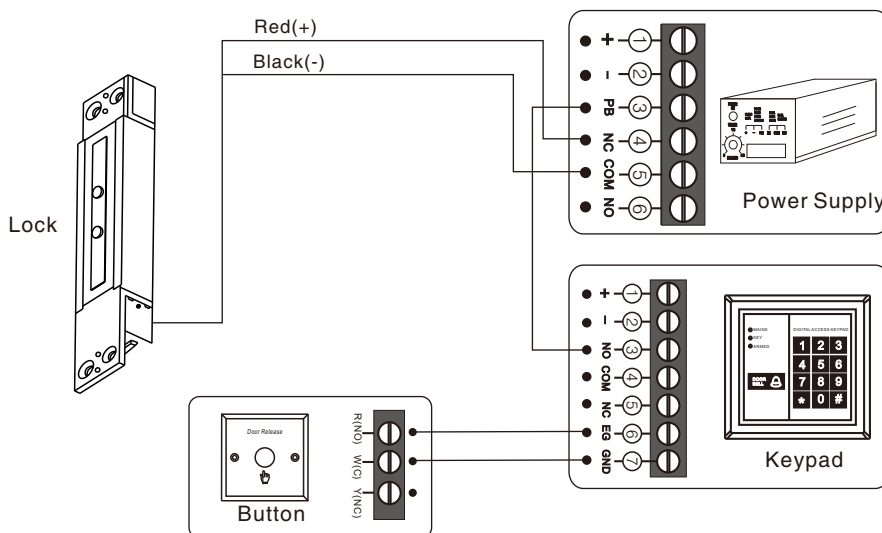
  

Time Delay	0S	5S	10S	15S

## DIMENSION

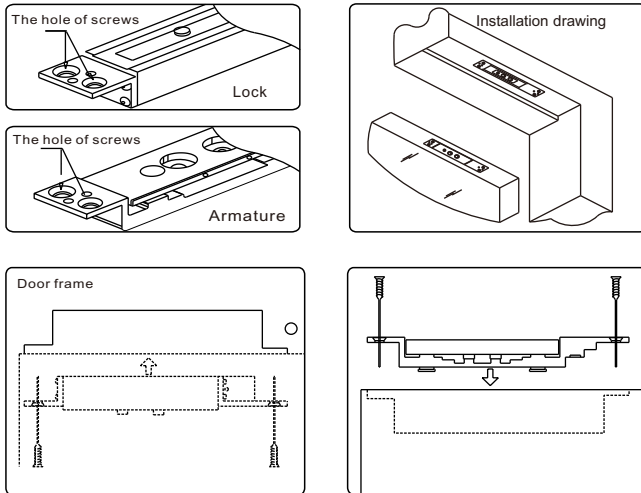


## WIRING DIAGRAM

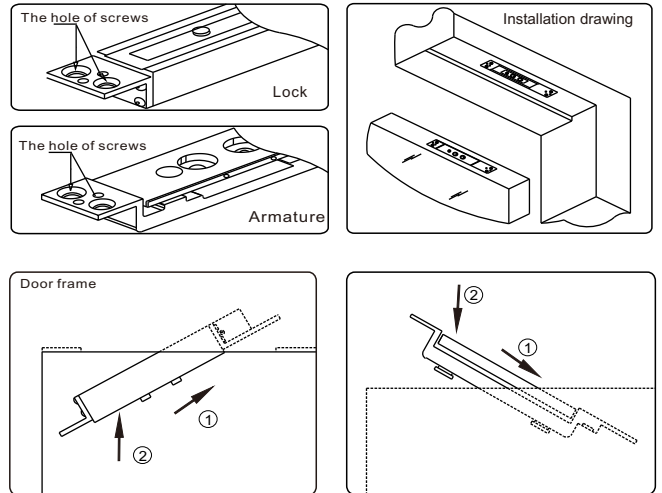


# THE COMMENTARY OF HOLES

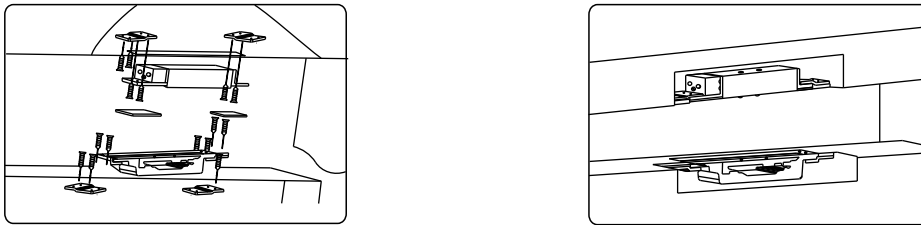
## A: The Solid Door



## B: The Hollow Door

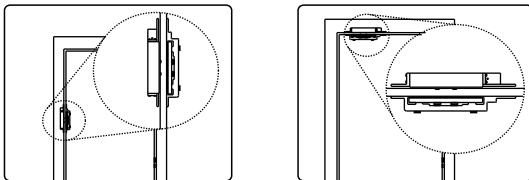


## C: Use The Extended Plate

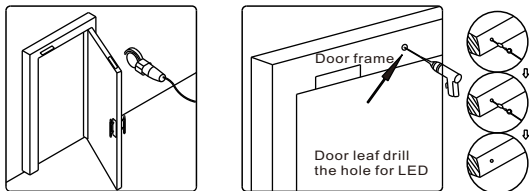


# THE COMMENTARY OF INSTALLATION

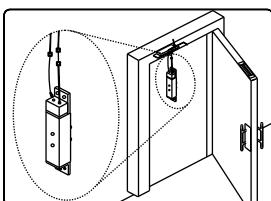
**Step1: Confirm the position of installation**  
It can be installed upon the door or the side of the door



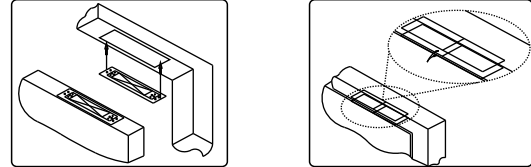
**Step3: Drill the hole**  
Drill the hole according to the sticker, and drill the hole for the LED on the door frame.



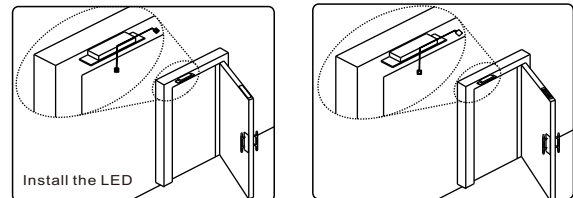
**Step5: Fix the magnetic lock and armature**  
Connect all the wire to the shear lock body, then adjust the delay time, then fix the magnetic lock and armature



**Step2: Paste the sticker**  
Note: Adjust the sticker to assure the proper alignment



**Step4: Wiring**  
Install the led on the door frame, and connect the 9pin



**Step6: Electrify and adjust**

Check whether operation is proper or not when electricifying, please adjust the armature slightly when they can't absorb

