CE RoHS

YLI ELECTRONIC

Motor Driven Mute Electric Bolt

Model: YB-1600MD(LED)

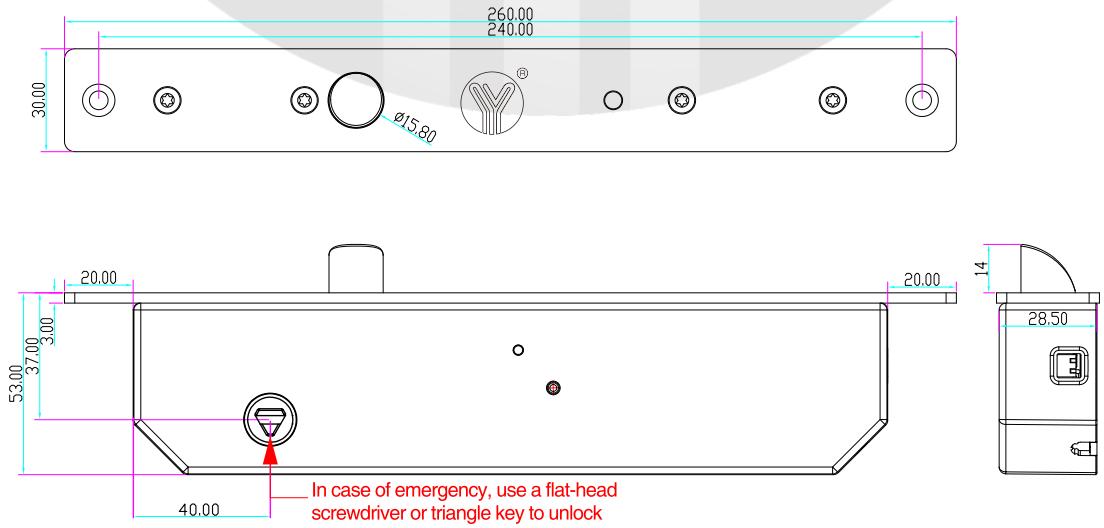
Introduction

The motor driven mute electric bolt is locked and unlocked by the activity of the bolt which is driven by the stepping motor. The stepping motor has great strength, the powerful thrust of the stepping motor can be used to push the bolt to align the door to achieve the purpose of locking when the door is deformed or skewed. All parts are made of metal material, the mechanical structure of inserting and resetting has been treated with noise reduction. The two Hall components on the PCB board can accurately locate and control the stretch out and draw back of the bolt, so that unlocking and locking can be muted. Compared with the traditional electric bolt using solenoid valve structure, when the product enters the locking and unlocking state, there is no need to power the motor continuously, low energy consumption and environmental protection. The lock is equipped with an emergency triangle unlocking device which can be used to unlock in case of emergency.

Parameters

Lock body	260Lx30Wx53H(mm)
Strike Plate	100Lx25Wx3H(mm)
Bolt	16mm(prolongation)x16mm(diameter) 304 stainless steel high strength solid bolt
Signal Output	Door signal(NO/COM);Lock signal(NO/NC/COM)
Voltage	12~28VDC
Current	Start 12V/800mA;Standby 12V/ 50mA
Time Delay	0/3/6/9sec
LED	Light on indicates locked, light off indicates unlocked
Detection Distance	⩽8mm
Suitable for	metal door, glass door
Material	304 stainless steel, wire draw finishing
Weight	1kg
Patent Number	202222451683.5 202222452053.X

Dimensions

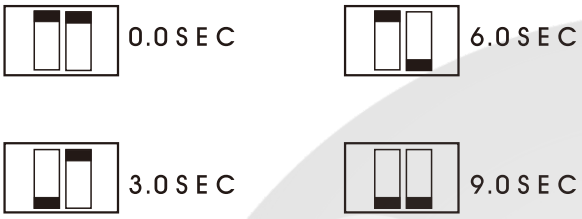


Functional Characteristics

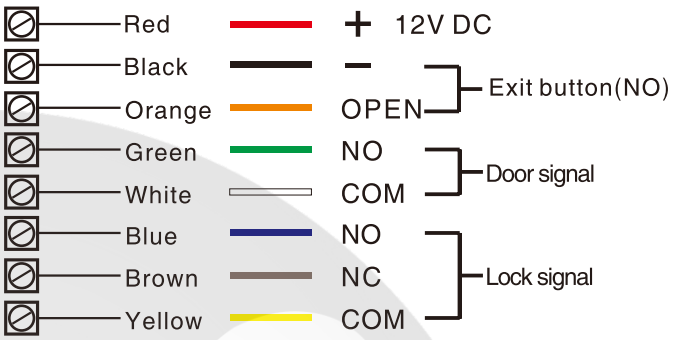
1. Use the emergency triangle key to unlock, the bolt can be reset automatically after unlock.
2. Lock only when the OPEN wire contact (orange/black) is disconnected.
3. The lock signal output works only when the bolt is fully inserted.
4. When the bolt meets resistance, it will automatically restart for three times before stopping to protect the motor.
5. Micro switch lock sensor output can be customized.
6. Emergency locking module can be customized (external), in the unlocked state, the bolt will automatically pop out when the power is cut off.

Time Delay

Adjust the delay time for locking auto maticly 0/3/6/9 secs.

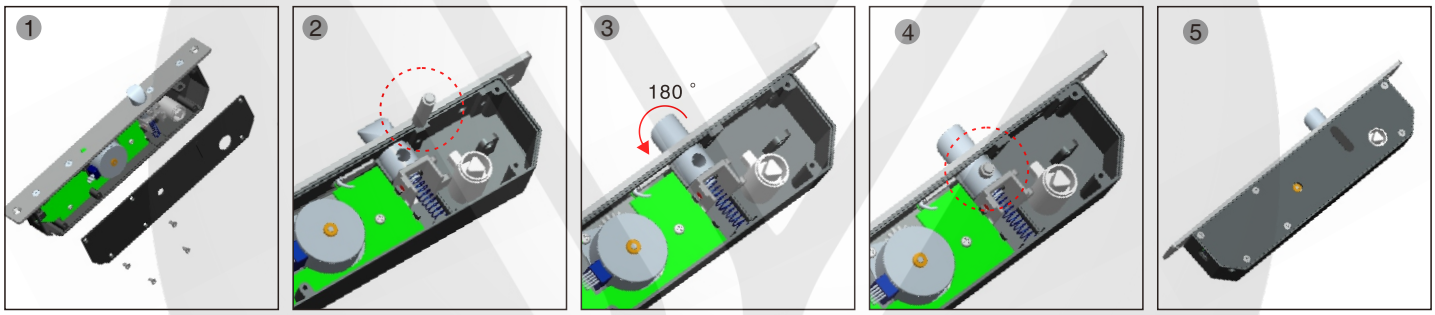


Wiring Diagram



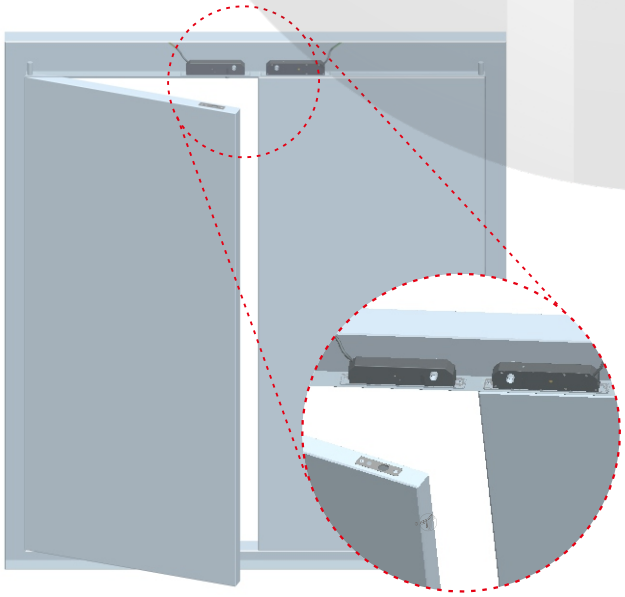
Bolt Reversing Operation Procedure

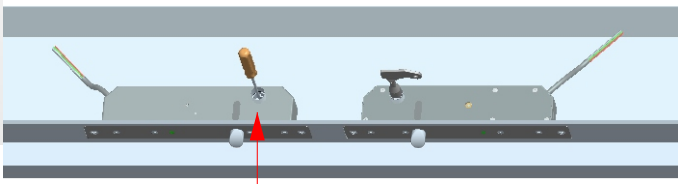
Please adjust the bolt according to the direction of opening the door



1. Unscrew the six screws on the cover plate and open.
2. Remove the pin as shown.
3. Turn the bolt 180 degrees.
4. Insert the pin into the round hole of the bolt, align the oblong hole of the housing.
5. Assemble the cover plate and tighten the screws; press the bolt to test if it works smoothly.

Installation Diagram





Note: Please reserve round hole in the interior direction of the door frame during installation for emergency unlocking;use a flat-head screwdriver or triangle key to unlock.