The manual of electric bolt lock (Model BDC-2101)

Ⅰ、Brief Introduction

BDC-2101 is a new excellent electric bolt lock with modern design. It has the features lock and unlock if switch on, with three lines system, that is, the polarity of lock is connected directly with that of power supply, ensuring to unlock by electric control at the control terminal or by power supply. Under preset with unlock if switch on, it is necessary to use control terminal.

With tamper-resistant spring bolt, excellent anti-interference and the large scope of voltage usage, when lock if switch on, the static current is 210 mA, and if continuously works, the lock body is low hot ,which is with high security.

Ⅱ、Technical parameter

Working Voltage: 12VDC±10%~24VDC±15%

Working Current:

VOLTAGE	Operate current	Static current
12VDC	1200mA	210mA
24VDC	800mA	90mA

Control signal output of door state::

signal voltage≤36VAC/DC signal current≤300mA

Ambient Temperature: -25~55℃

Relative Humidity: 10%～90%RH

Holding Force: 1000kg

Dimension of Lock Body: 177×30×34.5mm

Wiring Direction: working voltage: 12-24VDC

Red ⟶ power supply (+)

Black ⟶ power supply (-)

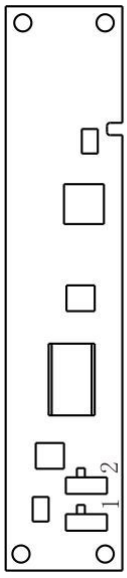
Purple ⟶ Once the low level control terminal and black line short out, it will be unlock by electric control.

Gray ⟶ (COM) Signal

Green ⟶ (NO) Signal

Time delay : 0-8 seconds adjustable

Specific adjustment manner as follow:



2 slide to right
1 slide to right
lengthen 0 second

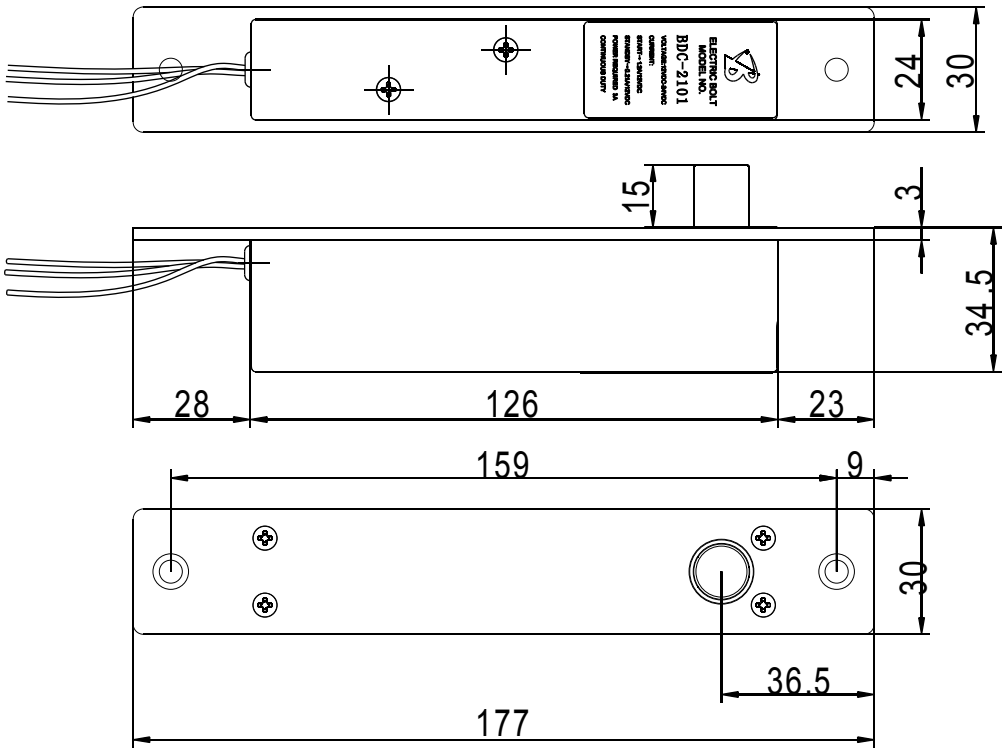
2 slide to right
1 slide to left
lengthen 2.5 second

2 slide to left
1 slide to right
lengthen 5 second

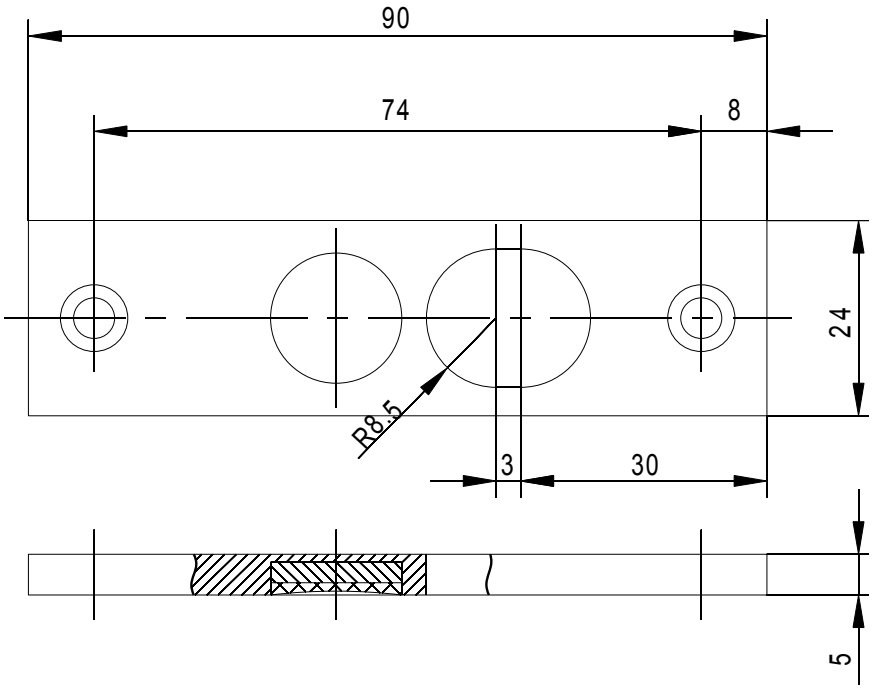
2 slide to left
1 slide to left
lengthen 8 second

Ⅲ、Measurements

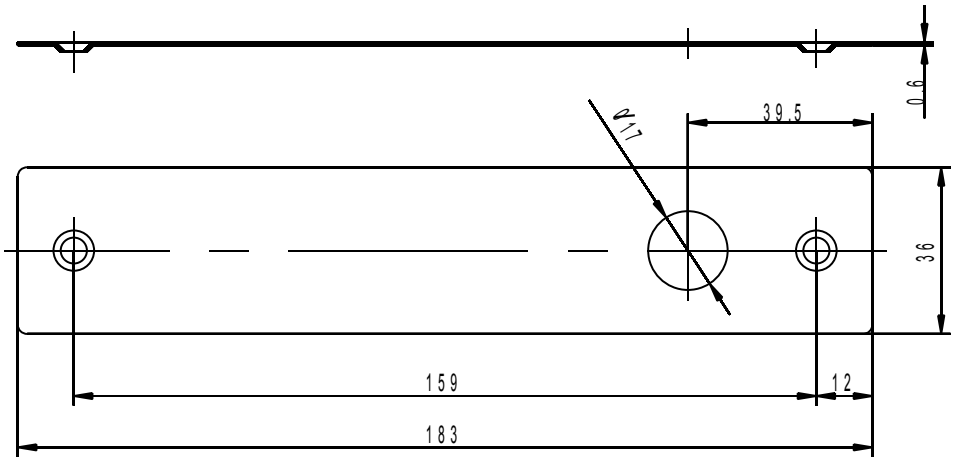
Lock body



Suction plate

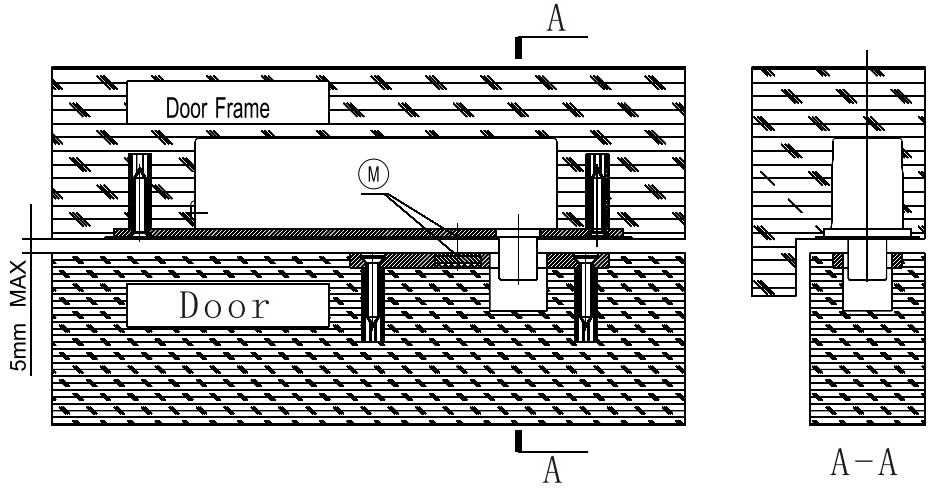


Stainless steel cover board

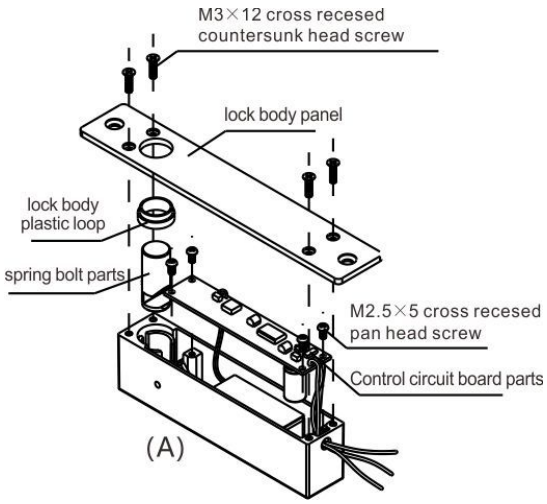


NOTICE: Put the Stainless steel cover board to cover the lock face after installation.

Ⅳ、Diagram of installation



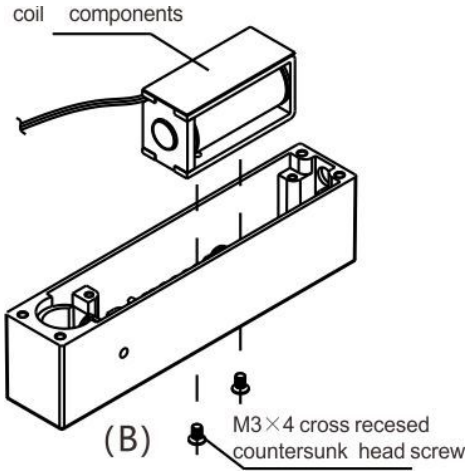
Ⅴ、The switch structure the lock if on and the unlock if on



1.As picture A, Loosen M3x12mm countersunk head screw (4PCS) ,and take down the panel of lock body.

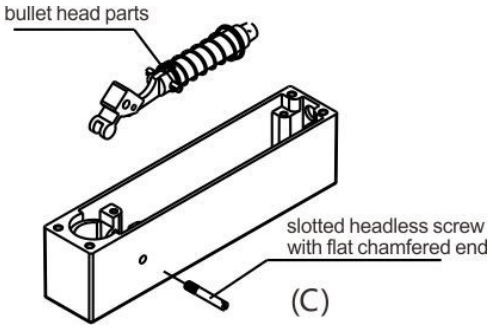
2. Unscrew M2.5x5mm countersunk head screw (4PCS) ,take down Control circuit board, pay attention do not damage circuit conductor .

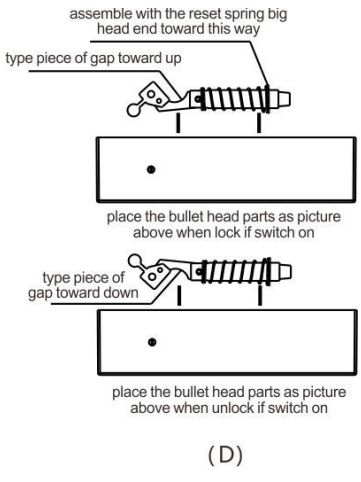
3. Take down plastic ring of latch bolt then take out the parts of it .



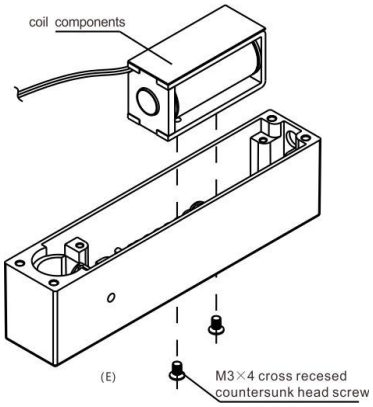
1.Loosen the screws from bottom of the body cover as picture B.

2.Dismantle Electromagnetic coil components, keeping the wire of the coil components and the control circuit board escape from damage.

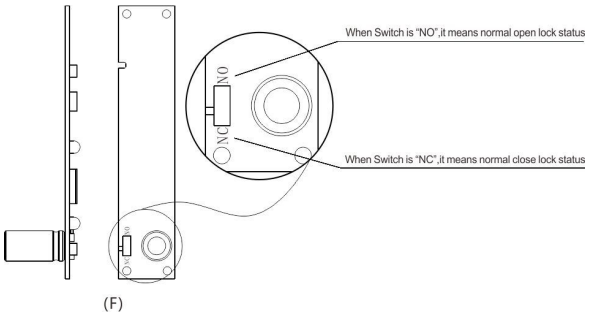




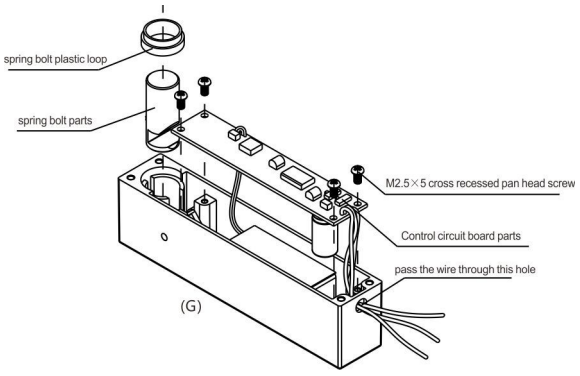
1.Loosen the screws from bottom of the body cover as picture B.
2.Dismantle Electromagnetic coil components, keeping the wire of the coil components and the control circuit board escape from damage.



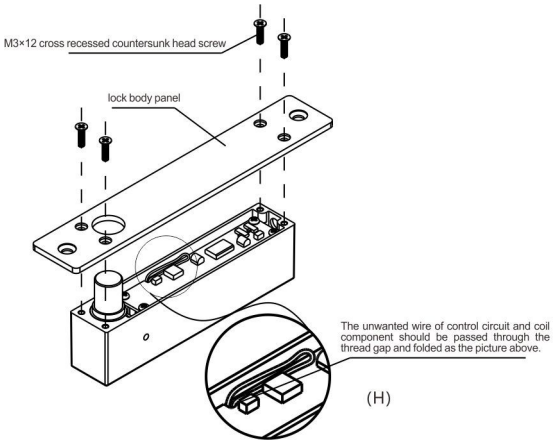
Place the coil components as Picture E, and then fasten the screws.



According to the body state, adjust the set switch which is at the back of the control circuit board as picture F.
NO means power on locking
NC means power off unlocking



1.Click the spring bolt into the body and spring bolt plastic loop on it as picture G.
2.Firstly, pass the wire through the hole with the protective ring well kept, and then insert the control circuit board parts and fasten with screw.



Press the body cover with screw fastened as picture H.

Ⅵ、Original List

electric bolt lock: 1 piece stainless steel cover board:1 piece
Tablet form lock parts: 1 piece Instruction: 1 Piece