

## LB-90SS Electric dropbolt instruction

### I. Function :

This kind of lock is Fail Secure and operates with DC12V or DC24V. 3 working grades of time delaying circuit for using. You can choose any time delay to avoid the bolt throw out before the door closing. There are circuits for door and bolt sensor in the lock, which guiding out for sensing of the lock and the working status (Chart 1).

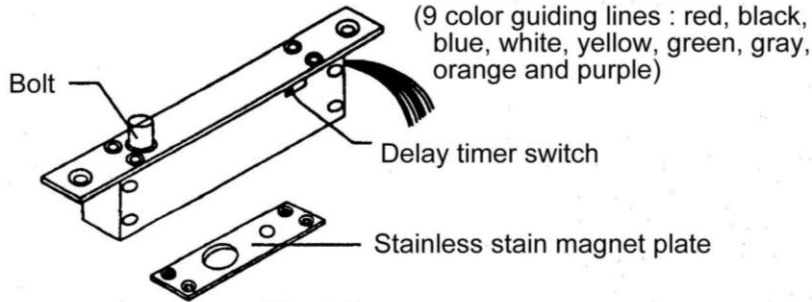
### II. Instruction :

- i. Please read this instruction carefully before using it and check the accessories enough or not. Please make a test according to the circuit connection before installing.
- ii. The lock were combined by two parts: (1)stainless steel magnet plate, (2)body. The gap between the magnet plate and the front of lock should be less than 3mm, and the hole of the magnet plate must right to the bolt. The magnet must be set in the middle of the plate.
- iii. 9 lines in the rear of the lock for connection, such as red, black, blue, white, yellow, green, gray, orange and purple (Chart 1). **For 24V power supply**, Red for power (+), connecting DC24V; and connect **BOTH** black and purple for power (-)(Chart 2A). **For 12V power supply**, Red for power (+), connecting DC12V or power DC12V under controlled, **ONLY** black for power (-)(Chart 2B). Blue, white, yellow for bolt sensor, blue for NO, white for COM, yellow for NC (Chart 3A). While the bolt throwed out, the NC will be cutted off and the NO will be connected. Green, gray and orange for door sensor, check the door status is open or close, green for NO, gray for COM, orange for NC (Chart 3B). The connected status of NO and NC will reverse once the door is closed.
- iv. Circuit connection (Chart 2) : The power of lock must reach to DC12V or DC24V.
- v. The adjustment switch for the time delay autolock sets in the middle of the lock (Chart 4), and the adjustment switch can change the time for locking: 0s, 3s, 6s optional.
- vi. Installation (Chart5)

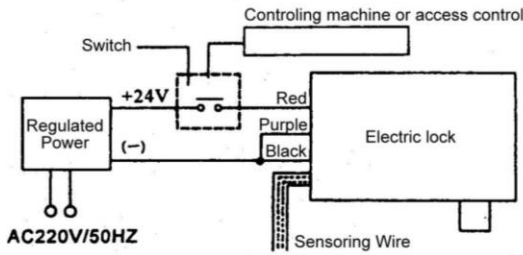
### III. Specification

Voltage : DC24V	Voltage : DC12V
Red : Positive (+)	Red : Positive (+)
Purple : Negative (-)	Black : Negative (-)
Black : Negative (-)	
Current : Start 0.5A, Standby 0.05A	Current : Start 1.1A, Standby 0.14A
Auto relock switch :Adjustable (0-6s)	
Bolt : Dia. 12.5mm stainless steel, out throw 15mm	
Body : 200(L) x 28(W) x 39 (H) mm	Plate : 200(L) x 28(W) x 3 (H) mm
Bracket : 90(L) x 24(W) x 30 (H) mm	
Accessories : Extending bracket (2pcs)	Stainless stain magnet plate (1pcs)
Installing bracket (1pcs)	M5x 15mm screw (5pcs)
M4 x 11mm screw (5pcs)	
Weight : 0.9	

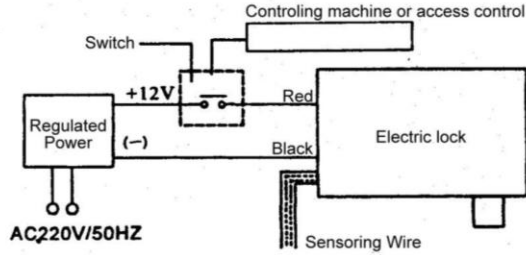
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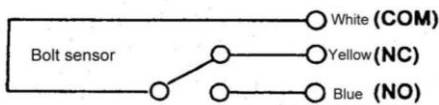
(Chart 1)



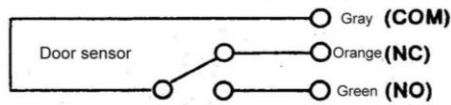
(Chart 2A)



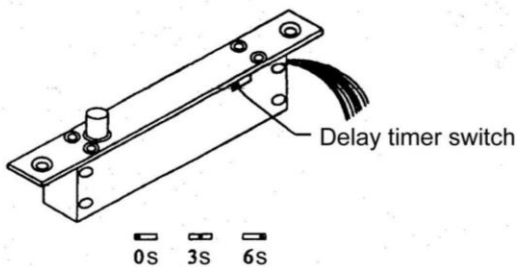
(Chart 2B)



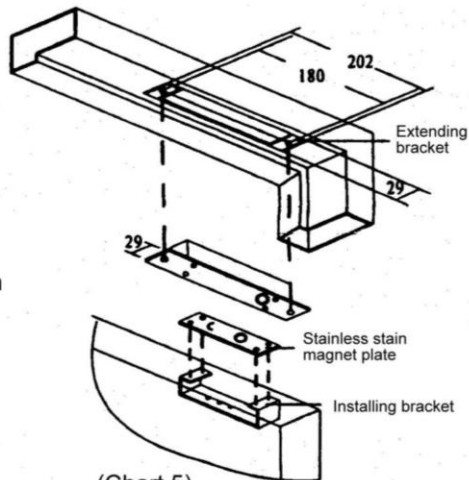
(Chart 3A)



(Chart 3B)



(Chart 4)



(Chart 5)