

Electric dropbolt

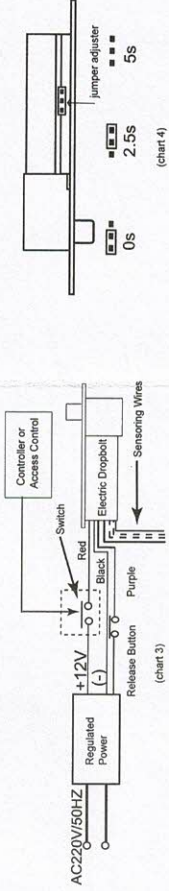
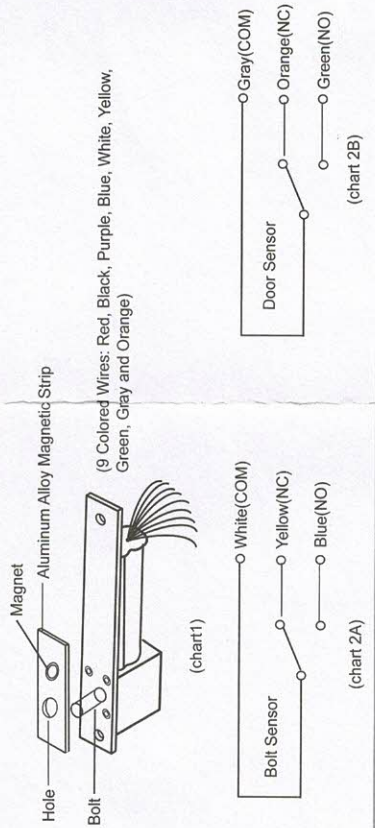
Instruction

I、Functions:

This electric dropbolt is fail-safe, meaning the door is unlocked in the event of a power failure. The operating voltage is DC12V ~ DC24V. It also comes with a 3-level, field adjustable time delay switch which controls the time between powering on and when the bolt activates. For more precise monitoring with access control systems, it also comes with wires for door status sensing and lock status sensing capabilities(chart 1).

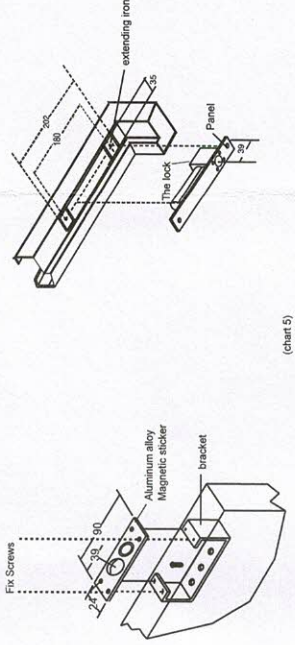
II、Instructions:

- Please read this carefully before attempting to install or operate the dropbolt. Please make sure no accessories are missing and simulate the wiring to make sure the lock is functioning correctly by following the wiring diagram first before installation.
- The lock mainly consists of two parts: (1) Aluminum Alloy Magnetic Strip and (2) the Bolt itself. When installing, the gap between the Aluminum Alloy Magnetic Bracket and the front of the lock must not exceed 3mm and the bolt slot must be aligned with the bolt of the lock and the magnet with the center of the bolt.
- At the bottom end of the bolt there are 9 colored wires(chart 1 - Red, Black, Purple, Blue, White, Yellow, Green, Gray, Orange). Red for DC12V~24V (+), Black for (-), Purple for release button. Blue, White and Yellow for Lock Status Sensing(chart 2A). Blue for Normally Open(NO). White for COM. Yellow for Normally Closed(NC). NC will be cut off and NO turned on when the bolt is activated. Green, Gray and Orange is for Door Status Sensing(chart 2B), indicating whether the door is open or closed. Green for Normally Open(NO), Gray for COM and Orange for Normally Closed(NC). When the door is closed, the NO and NC status will be reversed.
- Electric Dropbolt Wiring Diagram(chart 3): When installed, the voltage reaching the bolt must reach DC12V.



e. Auto-lock timer jumper is located at the middle of the bolt(chart 4) which comes with 3 level time delay settings of 0s, 2.5s and 5s.

f. Installation (chart 5)



III、Specificait on:

Weight: 0.9Kg
Voltage: DC12V~24V (with Reverse Polarity Protection)
Red : Positive(+)
Black : Negative(-)
Current: start 0.9A~0.6A, Standby 0.14A~0.1A
Solenoid: Continuous Duty
Fail-safe: all models
Auto relock jumper: adjustable(0~5s)
Power down Status: Unlocked
Lock Status Sensing Maximum Current: 0.5A
Lock Status Sensing Maximum Voltage: 36V
Bolt: 15.5MM diameter Stainless Steel, Bolt Throw 15MM
Installation Cut Out Dimension: 202MM(L)X35MM(W) (Internal depth cannot be smaller than 43MM)
Cover Plate Dimension: 210MM(L)X42MM(W)X0.8MM(H)
Face Plate Dimension: 200MM(L)X34MM(W)X3MM(H)
Aluminum Alloy Magnetic Strip Dimension: 90MM(L)X24MM(W)X3MM(H)
Accessories:
Extension Bracket (2 pcs)
Aluminum Alloy Magnetic Strip (1 pc)
Magnetic Strip Bracket (1 pc)

IV、Note:

- Please keep it away from moist place and water when installing or use the electric lock.
- The voltage of power supply should be between DC11.5V and DC24V.