



# IB-300 Fail Safe Electric Bolt With Magnetic Feature



IB-300

## Specification

- Face plate:** 205Lx35Wx40H(mm)
- Stricke Plate:** 90L x 25W x2H(mm)
- Cover Plate:** 215L x 40W x 0.7H (mm)
- Bolt:** 16mmDIA, stainless 16mm throw
- Quality:** Aluminium panel with strongly style and Stainless steel
- Dual Voltage:** DC12V
- Current Draw:** Start 950Ma Standby 120mA
- Time:** 0/3/6/9sec.(optional)
- Signal Output:** Door status sensor
- Fail Safe:** Locked when energized
- Safety function:** Double protect current, protect against damage Built-in voltage spike suppressor
- Performance Testing:** five hundred thousand times aging test
- Opening Mode:** 180 degree swinging door
- Suitable For:** Wooden Door, Glass Door, Metal Door, Fire Proof Door.
- Net Weight:** 0.7kg
- Standard packing:** 12pcs/box

## Wiring Instructions

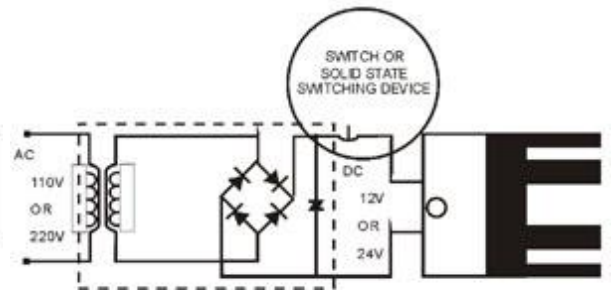
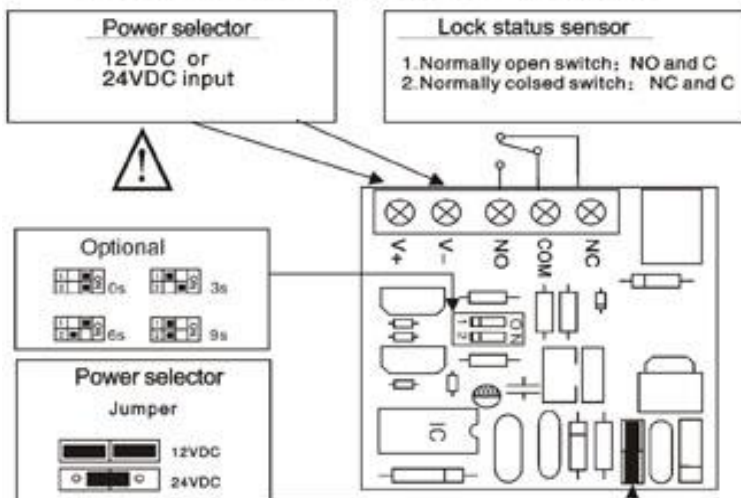
### Contacts:

Relay dry contacts are rated 1 Amp at 24VDC for safe operation, do not exceed this rating.  
 If you require a normally open switch, connect the wires from the system to COM and NO.  
 If you require a normally close switch, connect the wires from the system to COM and NC.

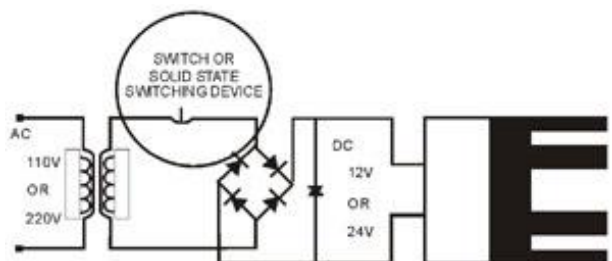
### Important!!!

If power switch is not wired between DC source voltage and magnet, it will take a longer time to de-energize the magnet simulating residual magnetism. (see below)

## Printed Circuit Board Schematic



Correct



Incorrect

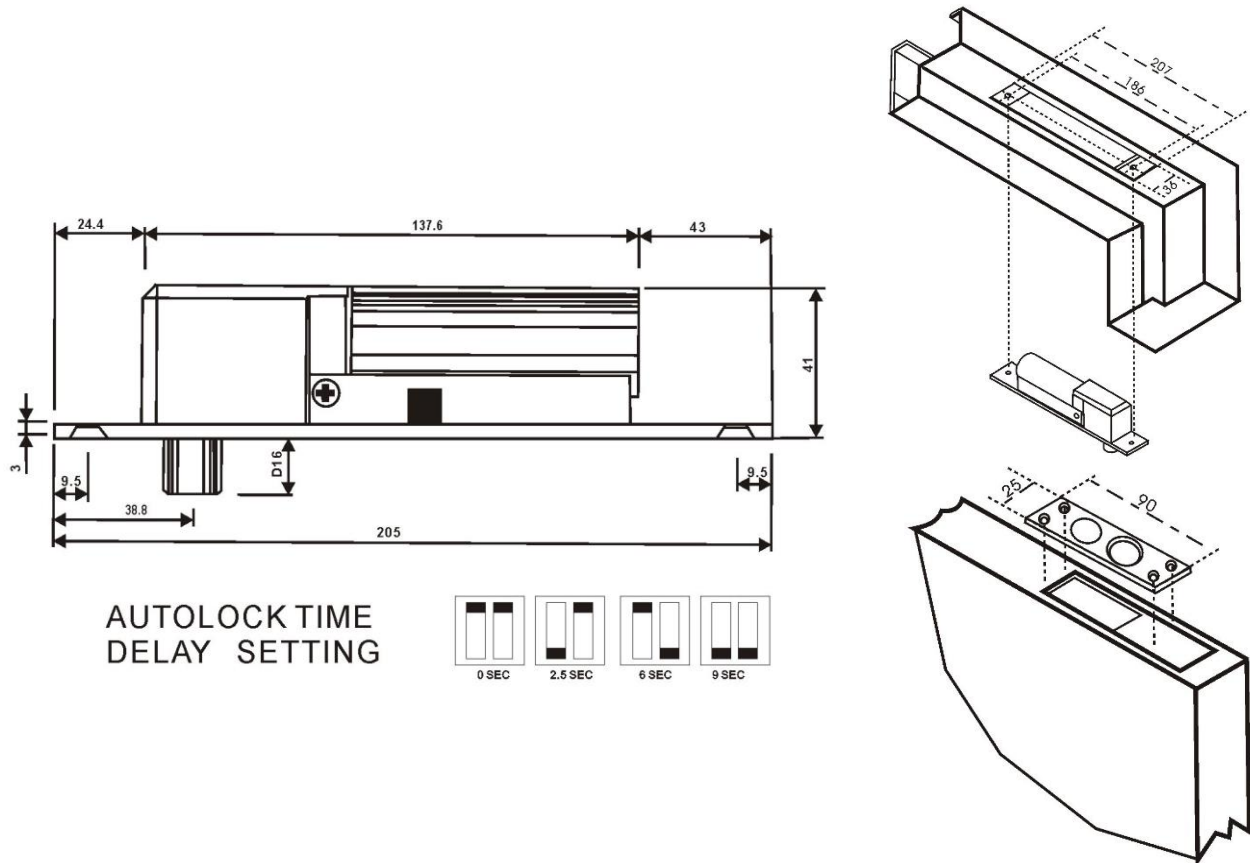
# Installation

## Important: Please Read Before Attempting To Install Electric Bolt

- A. Handle the equipment with care, damaging the mating surfaces of the magnet or armature plate may reduce locking efficiency.
- B. The magnet mounts rigidly to the door frame, the armature plate mounts to the door with hardware. Kit provided that allows it to pivot about its center to compensate for door wear and misalignment.
- C. Template use must take place with door in its normally closed position.
- D. Before installing, please add thread locker to all screws. Firmly tighten screws to avoid fastening loosen.

## Typical Installation:

- \*\*Important: Fix the armature plate not too tightly, and make the rubber washer more flexible, in order to make the armature plate automatically adjust its proper position with the magnet.



## MOUNTING INSTRUCTION

### STEP 1

- FOLD TEMPLATE ALONG DOTTEN LINE.
- PLACE TEMPLATE AGAINST DOOR AND HEAD FRAME.
- DRILL HOLES AS INDICATED ON TEMPLATE.

### STEP 2

- MOUNT THE ARMATURE PLATE TO DOOR USING 1 RUBBER WASHER SANDWICHED BETWEEN 2 STEEL WASHER (THE RUBBER WASHER AND 2 STEEL WASHER ARE INSTALLED ON THE THROUGH SEXNUT BETWEEN THE ARMATURE PLATE AND DOOR).

### STEP 3

- INSTALL THE MOUNTING PLATE
- ADJUST THE MOUNTING PLATE SO THAT IT AND THE ARMATURE PLATE FROM A RIGHT ANGLE.
- USING THE MOUNTING PLATE AS A TEMPLATE, DRILL THE WIRE HOLE.
- DRILL AND INSTALL THE REMAINING MOUNTING SCREWS

### STEP 4

- INSTALL MAGNET TO MOUNTING PLATE WITH 2 M4 (M6) SCREWS SUPPLIED.

### STEP 5

- INSTALL ELECTRICAL WIRING PER INSTRUCTION SHEET.

### STEP 6

- TEST ALL FUNCTIONS OF THIS MODEL (SEE WIRING INSTRUCTION).