# **Heavy Duty Surface Mount Electric Strike (ES-SM450)**

# NO/NC Adjustable

### **Functions**

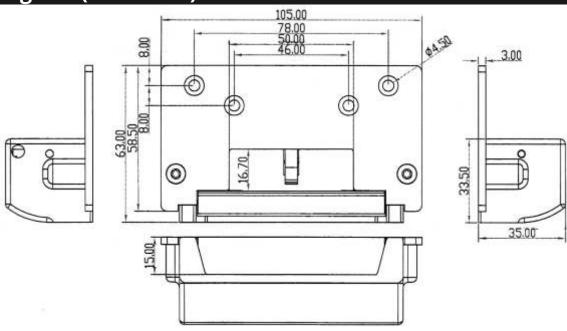
- Surface mounted electric strike, no need to slot on door frame, easy to install; with door signal output
- Static strength rating of 450kg force
- Solenoid valve has been tested 250,000 times (UL laboratory)
- More than 500,000 times aging test

- NC/NO adjustable
   (Adjustable Fail Safe or Fail Secure)
- Factory default: NC mode (Fail safe)
- SS 304 stainless steel faceplate, precision cast SS 304 high-strength strike keeper

## **Technical Parameters**

| Dimensions             | L105 x W63 x H35 (mm)                        |
|------------------------|----------------------------------------------|
| Keeper depth           | 12mm                                         |
| Keeper width           | 50mm                                         |
| Voltage                | DC12V                                        |
| Current                | 12V/280mA(±10%)                              |
| Door signal output     | Door status signal output:NO/NC/COM contacts |
| Installation method    | Surface mounted (use with mechanical locks)  |
| Application            | Wooden doors, metal doors, fire doors        |
| Applicable temperature | -20°C~+55°C ( -4-131 °F )                    |
| Applicable humidity    | 0~95% relative humidity                      |
| Material of housing    | Zinc alloy (high temperature painted)        |
| Material of faceplate  | SS 304 stainless steel (surface brushed)     |

Diagram (units mm)





# **Wiring Diagram**

Red:+ DC 12V(Default)

#### **Signal Output**

Yellow: NC 7 N.O. contact output closed status

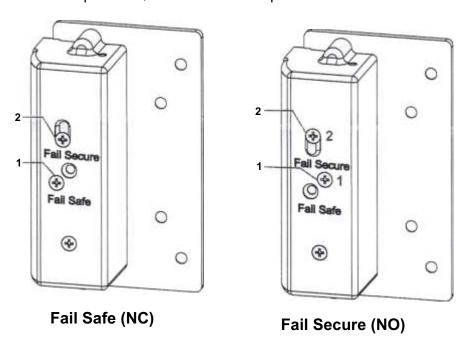
White: COM | Common terminal



#### **Conversion of NO and NC**

You can set the operation mode of Fail Safe or Fail Secure. Fail safe (NC mode): When power off, the door is in unlocked state Fail secure (NO mode): When power off, the door is in locked state

Remove screw 1 and loosen screw 2, slide screw 2 to the other end of the oblong hole, replace screw 1 to "Fail secure" position, conversion completed.



**Tips:** Please loosen and slide screw 2 carefully, do not take it out, otherwise it will cause the internal solenoid valve to fall off.