

operation instruction

M-512S Wireless Capacitive Sensing Switch

Make your choice.....



1 Safety Instruction

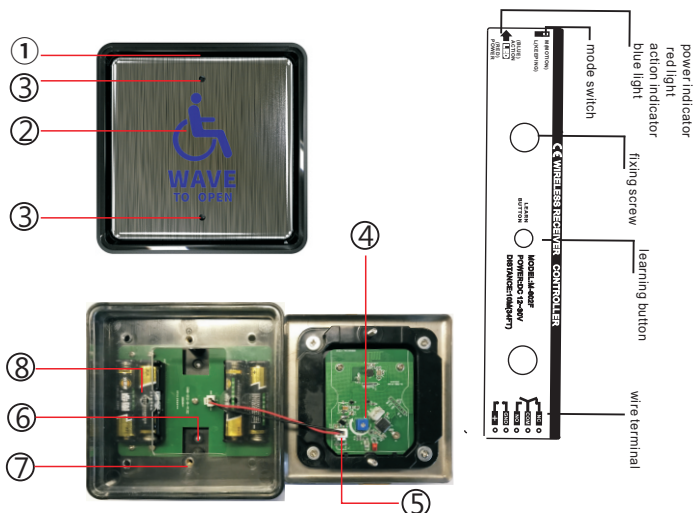


Thanks for purchasing this product. In order to use this product correctly, please read this manual carefully before use it

2 Overall product Characteristic

- Stainless steel metal large panel design.
- The imported capacitive sensor chip is used, and the surface metal panel is used as the sensor antenna. The button function is realized by detecting the charge change brought by the human palm and judging the human hand sensing action
- Replace the traditional mechanical contact switch, non-contact sensing on the front of the hand, clean and hygienic.
- Advanced software algorithm, strong anti-interference ability
- The sensing distance is adjustable from 0-8CM, and can be adjusted for different occasions.
- Wireless transmission adopts 2.4GHZ wireless communication technology, unique frequency hopping technology, and high wireless transceiver stability.
- Low power consumption sensor panel design, long battery life.
- The receiver has a large capacity output, which can be used in conjunction with automatic doors and access controllers.
- After the signal is received, it outputs a 1.5-second door opening signal, and is equipped with receiving LED lights.
- Receiver wide voltage input design, 12-30V DC power input.

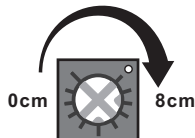
3 Overview of product



- ① LED indication (red light flashes in the power-on learning state, the red light is off when the learning is completed, and the action blue light is on)
- ② Sensing surface
- ③ Panel disassembly screw hole
- ④ Induction distance adjustment knob
- ⑤ Connecting terminal
- ⑥ Bottom cover fixing hole
- ⑦ Face cover fixing screw post
- ⑧ Battery box

- The wireless function of this product adopts self-learning code, and the transmitter must be matched with the receiver when using the wireless function. It can learn up to 20 transmitters
- Learning method: press the learning key on the receiver for 1 second to release the blue indicator light on and enter the learning state then activation the transmitter, the blue lights flicker twice, means learning succeeded
- Deleting method: Press the learn button on the receiver for 5S, the blue light flashes quickly, that is, delete all codes successfully

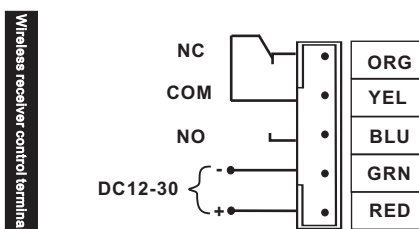
4 Induction distance adjustment



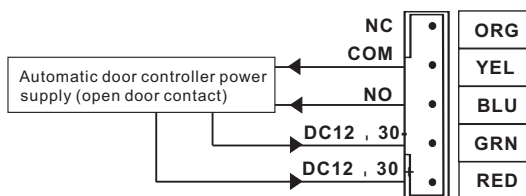
The clockwise direction the induction distance becomes farther, the counterclockwise direction the induction distance becomes closer, and the maximum induction distance is 8cm

Note: After adjusting the distance each time, it will take effect after turning off and on again.

5 I/O wiring definition



6 The wiring diagram



Receiver and automatic door controller wiring diagram

7 Output state selection

- L If the state selection switch is pulled to the M position, it is a motion output.
- M Each time the transmitter senses, it will output a door opening signal of about 1.5seconds.
- L If the status selection switch is pulled to the L position, it is a hold type output, and the output signal is kept. Each time the transmitter senses or touches, the output state will change once
- M

8 Parameters

| Receiver | |
|-----------------------|--|
| Power supply: | DC12~30V |
| Static current | 34mA |
| Action current | 62mA(DC12Vpower supply) |
| Main contact capacity | 1A 24VDC |
| Wireless switch | |
| Power supply | 6V (4 pcs 1.5V AA batteries) |
| Static current | ≤50uA |
| Battery life | 500times/day ,can use 520days |
| Emission current | 12mA |
| Launch distance | >30M |
| Working temperature | -42°C~45°C |
| Working humidity | 10~90%RH |
| Size | 129mm (L) ×129mm (W) ×46mm (H) (panel) |
| | 110mm (L) ×30mm (W) ×15mm (H) (Receiver) |