

Operation Instruction

M-512H Wireless infrared touchless switch



1 Safety Instruction

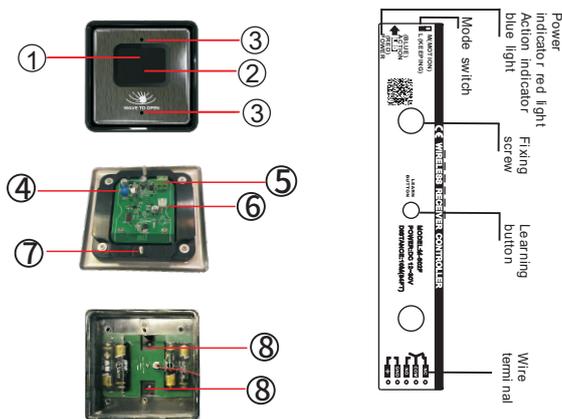
Thanks for purchasing this product. In order to use this product correctly, please read this manual carefully before use.

Avoid sunshine directly to the sensing window when installation, otherwise it will cause the sensing distance get shorter

2 Overall Product Characteristics

- Adopts infrared modulation and demodulation, which is not easy to be misjudged by interference.
- Non - contact induction with hands or reflective objects, clean and hygienic.
- The induction distance is adjustable from 0-30cm. It can be adjusted for different occasions.
- High sensitivity infrared tubes, timely and convenient induction.
- Wireless transmission adopts 2.4g wireless communication technology, with good frequency consistency and high wireless transceiver stability.
- The wide voltage input design of the transmitter is compatible with external power supply and battery power supply. The external power supports AC/DC 12-30V power input. Battery power supports 4pcs 1.5V AA batteries.
- Receiver large capacity output, can be used with automatic door, and access control.
- After the receiver receives the signal, it will output a signal to open the door for 1.5 seconds. and it is equipped with a receiving LED indicator.
- Receiver wide voltage input design, 12 ~ 30V DC power input.

3 Overview of Product



① LED indicator (when standby mode, the red light flashes for 1.5 seconds; when action mode, the blue light flashes.)

② Sensing window

③ Panel disassembly screw holes

④ Infrared induction distance adjustment knob

⑤ Connecting terminal of external power supply

⑥ Panel connecting socket.

⑦ Panel fixing screw column

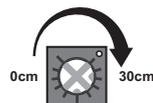
⑧ Fixing screw holes of installation

Adopts the self-learning code type. When using the wireless function, the transmitter must be matched with the receiver. Can learn up to 20 transmitters.

Learning method: press the learning key of the receiver for 1s, the blue indicator light is on and enter the learning state, then sensing the switch, the blue light flashes twice, means learning succeeded

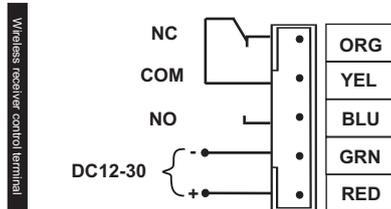
Delete method: Press and hold the learning button for 5 seconds, the blue light flashes quickly means delete all the codes.

4 Induction distance adjustment

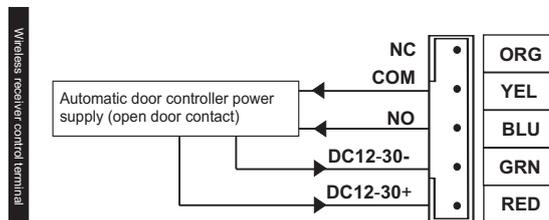


Clockwise adjustment, the induction distance becomes far, counterclockwise adjustment, becomes closer, and the maximum induction distance is 30cm.

5 I/O wiring definition



6 The wiring diagram



Receiver and automatic door controller wiring diagram

7 Output state selection

- L M If the state selection switch is pulled to the M position, it is a motion output. Each time the transmitter senses, it will output a door opening signal of about 1.5seconds.
- L M 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.

8 Parameters

Receiver

Power supply DC12 ~ 30V
 Static current 34mA
 Action current 62mA (DC12V power supply)
 Main contact capacity (wireless receiver) 1A 24VDC

Wireless switch

Power supply AC/DC 12~30V
 Static current 2mA (DC 12V power)
 Emission current 8mA
 Power supply DC 6V (4pcs 1.5V AA battery)
 Static current 9mA
 Emission current 10mA
 Infrared modulation frequency 38KHz
 Infrared scanning interval 100ms
 Response time ≤ 130ms
 Working temperature -42°C~ 45°C
 Working humidity 10~ 90%RH
 Launch distance More than 30meters in the open area, Partition wall or metal shielding environment only 10 meters

External dimension 129mm (L) × 129mm (W) × 46mm (H) (panel)
 110mm (L) × 30mm (W) × 15mm (H) (Receiver)

Packing List

NO.	ITEM	QUANTITY	UNIT	REMARK
1	Touchless switch	1	pc	
2	Wireless receiver	1	pc	Optional
3	Operation Instruction	1	pc	
4	Screws	1	bag	
5	3M tape	1	pc	
6	5P wiring	1	pc	