

Operation instruction

M-512 Wireless Non-touch infrared switch



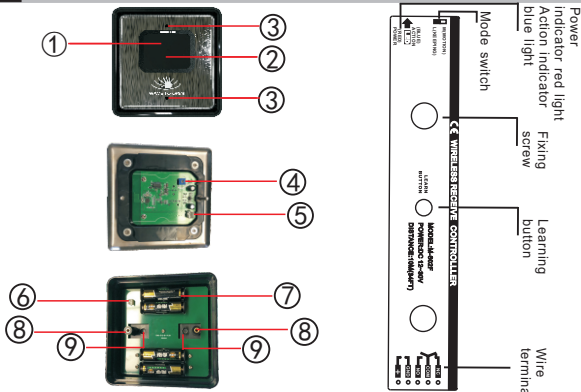
1 Safety Instruction

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

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 3-30cm. It can be adjusted for different occasions.
- High sensitivity infrared , quick response.
- Wireless transmission adopts 2.4g wireless communication technology, with good frequency consistency and high wireless transceiver stability.
- Low power consumption sensor panel design, long battery life.
- Receiver large capacity output, can be used with automatic door, electric lock and access control.
- After receiving the signal, the door opening signal is output for 1.5 seconds. It is equipped with receiving buzzer and LED indicator.
- Receiver wide voltage input design, 12 ~ 30V DC power input.

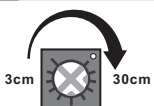
3 Overview of Product



- LED indicator (standby red light flashes for 1.5 seconds)
- Inductive window
- Screw holes
- Adjustment screw for the sensing distance
- Power supply board connection socket
- Panel connection socket
- Battery box
- Panel fixing screw column
- Control box fixing screw hole

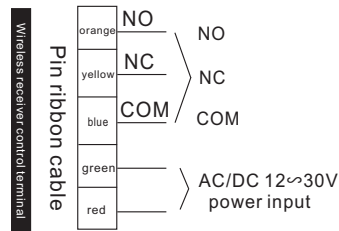
- Adopts the self-learning code type. When using the wireless function, the transmitter must be matched with the receiver.
- Learning method: press the learning key on the receiver for 1 second to release the indicator light from green to red and enter the learning state then sense or touch the transmitter, the red and green lights flicker alternately, means success in learning.
- Deletion method: Press and hold the learning button for 5 seconds, the blue light flashes quickly, you can delete all the codes.

4 Induction distance adjustment

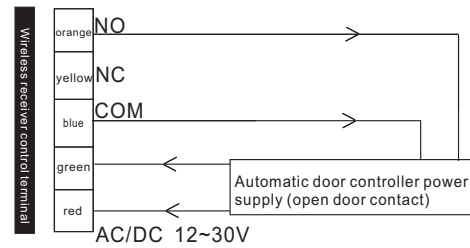


The clockwise direction the induction distance becomes farther, the counterclockwise direction the induction distance becomes closer, and the maximum induction distance is 30cm.

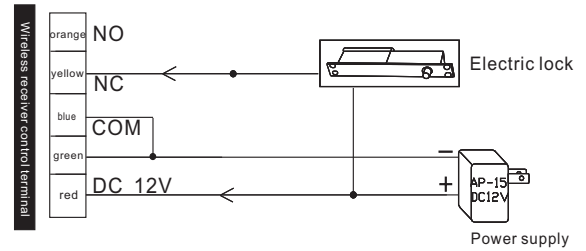
4 I/O wiring definition



5 The wiring diagram



Receiver and automatic door controller wiring diagram



Receiver and electric lock wiring diagram

6 Output state selection

- L** 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.
- 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.

7 Parameters

Receiver	
Power supply	AC/DC12~30V
Static current	30mA
Action current	74mA (DC12V power supply)
Main contact capacity (wireless receiver)	3A 30VDC
Wireless switch	
Power supply	6V (4 pcs AA batteries)
Static current	≤80uA
Battery life	500times/day ,can use 450days .
Emission current	10mA
Infrared modulation frequency	38KHz
Infrared scanning interval	100ms
Response time	≤130ms
Launch distance	More than 30meters in the open area
Working temperature	-42°C ~45°C
Working humidity	10~90%RH
Size	129mm (L) ×129mm (W) ×46mm (H) (panel)
	123mm (L) ×50mm (W) ×32mm (H) (Receiver)