

Operation Instruction

M-512SH Multi-functional Touchless Capacitive Induction Switch

Make your choice.....



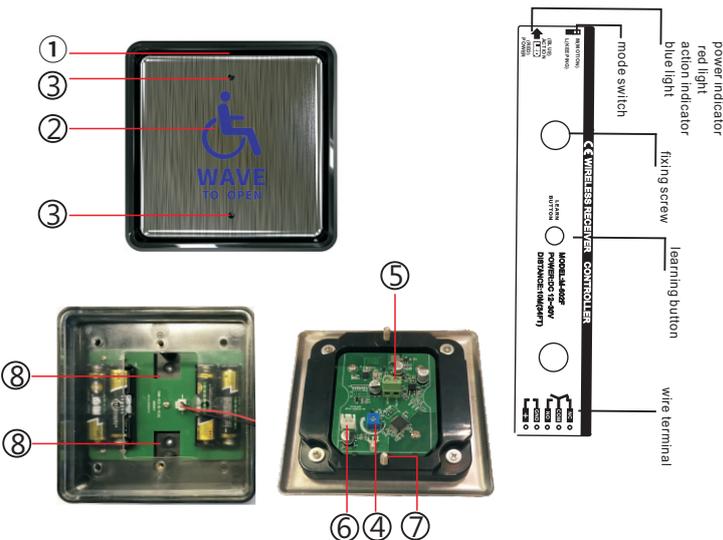
1 Safety Instruction

! 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, more flexible for installation.
- 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 induction distance is adjustable from 0-18cm. It can be adjusted for different occasions.
- Wireless transmission adopts 2.4GHZ wireless communication technology, unique frequency hopping technology, 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.
- The receiver with large capacity output, can be used with automatic doors and access controllers.
- 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.
- The receiver with wide voltage input design, DC 12-30V power input.

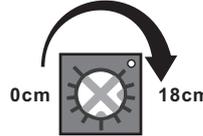
3 Overview of product



- ① LED indicator (when power on, red light flashes in learning state, red light off means learning completed, blue light on in action state.)
- ② Sensing surface
- 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

- 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

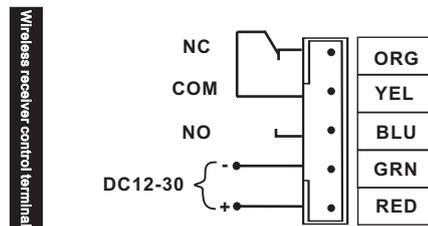
4 Induction distance adjustment



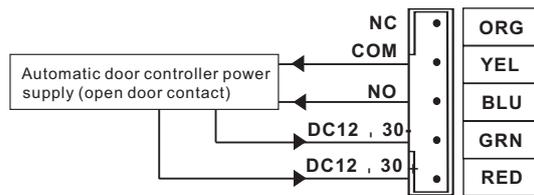
The clockwise direction the induction distance becomes farther, the counterclockwise direction the induction distance becomes closer, and the maximum induction distance is 18cm

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	AC/DC 12-30V
Static current	2 mA (DC 12V power)
Emission current	9 mA (DC 12V power)
Power supply	DC 6V (4pcs 1.5V AA battery)
Static current	50uA
Emission current	11mA
Launch distance	>30M
Working temperature	-42°C~45°C
Working humidity	10~90%RH
External dimension	129mm (L) × 129mm (W) × 46mm (H) (panel)
	110mm (L) × 30mm (W) × 15mm (H) (Receiver)

Packing List

NO.	ITEM	QUANTITY	UNIT	REMARK
1	Multi-functional Touchless Capacitive Induction 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	