Operation instruction
M-508SD Wireless Touchless Capacitive Switch

1 Safety Instruction

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

⚠ Note: When the power was just turned on ,the blue light flashes. At this time, the sensor is learning the current environmental parameters. Please do not touch the switch until the light turn to red light means the learning finished .

2 The overall features

- Narrow stainless steel metal panel design, more flexible installation.
- The capacitive induction chip is adopted, and the metal panel on the surface is used as the induction antenna. By detecting the charge change to activate the transmitter .
- Replace the tranditional push buttons by the touchless sensing buttons , more cleaner.
- Advanced software algorithm, strong anti-jamming ability.
- The induction distance is adjustable from 1-8cm.
- 2.4 GHz wireless communication technology, creates excellent frequency consistency and high wireless transceiver stability.
- Low power consumption sensor panel design allows for long battery life.
- The receiver has large output capacity and can be used with automatic door and access control 。
- Switch is equipped with a blue LED indicator. Upon receiving the signal, the receiver holds the relay output for 1.5 seconds.
- Receiver has a wide voltage input design accepting 12 ~ 30V DC power input.
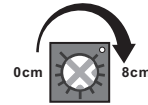
3 Overview of Product

① LED indication (red light flashes in the power-on learning state, the red light flashes when standby, and the action blue light is on)

② Sensing panel
③ Panel screw hole
④ Sensing distance adjustable knob
⑤ Terminal
⑥ Bottom box fix hole
⑦ Faceplate fix screw column
⑧ Bettery box
⑨ Relay A/B channel selector switch

⑩ Relay A.B channel selector switch
⑪ Learning button
⑫ Mode choosing button
⑬ LED indicator(standby red, action green)
⑭ Input/Output terminal

- Utilizes a self-learning code. The transmitter must be paired with the receiver.
- Pairing method: press the learn button on the receiver for 1 second to make the indicator light turn blue and enter the learning state then activate the transmitter, the blue LED flashes, indicating a successful pairing.
- Deletion method: Press and hold the learning button for 5 seconds, the blue light flashes quickly deleting all codes previously paired with this receiver.
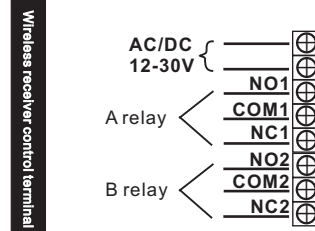
4 Induction distance adjustment

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

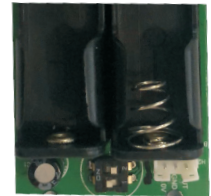The relay output of the receiver is based on the DIP switch on the transmitter to choose which relay output is.

A relay output

B relay output

A and B relay output at the same time

6 Output state selection

L M	With the switch in the M position, the output is Momentary. Each time the transmitter is pressed, the receiver will change state and Momentarily hold for 1.5 seconds. Most applications will use this option.
L M	With the switch in the L position, the output is Latching. When the wireless transmitter is activated, the output state will change and hold (latch) in that changed state. A second activation of the wireless transmitter will change the state of the output back to it's original state and it will hold (latch) in that state.

7 Parameters

Receiver

Singal Output	Two independent relay output
Power supply	DC12∽30V
Static current	22mA
Action current	68mA(DC12V power supply)
Main contact capacity (wireless receiver)	3A 30VDC

Wireless switch

Power supply	3V (2 pcs AA batteries)
Static current	≤42uA
Battery life	500times/day ,can use 260days .
Emission current	12mA
Response time	≤130ms
Working temperature	-42℃∽45℃
Working humidity	10∽90%RH
Size	121mm（L）×51mm（W）×45.5mm（H） (panel)
	110mm（L）×30mm（W）×15mm（H） (Receiver)