

Microwave Sensor

User Manual

Attention:

Before using, read this note carefully at first, so that the sensors work properly.

■ Do not install equipment over 5m height.

Or it may don't detect children due to lack of sensitivity.

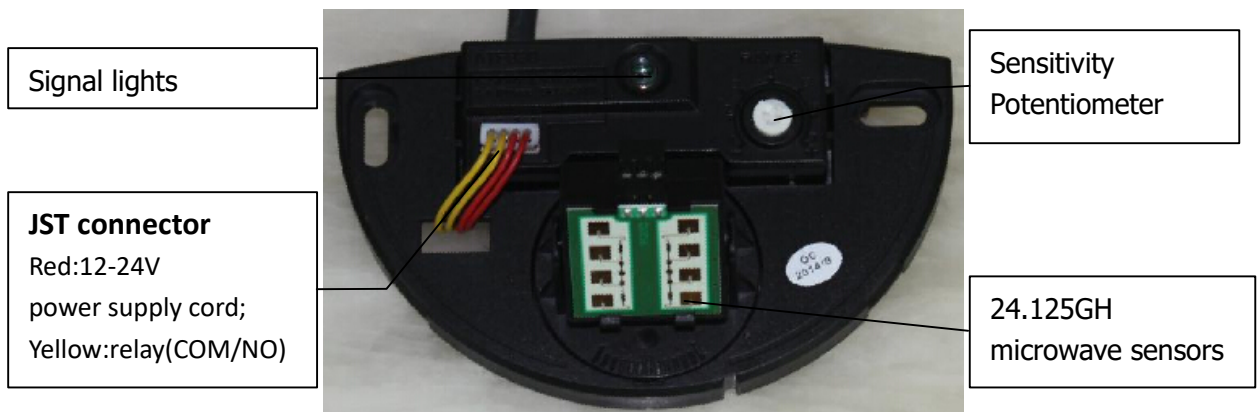
■ To ensure that detection area width is greater than the width of the door. If the detection region is in the narrow width of the door wide, and from time to time, staff may be clamped. If the door is too wide, set up a number of sensors to cover the entire width of the door.

■ Actual detection

Because the Doppler effect only exists during the objects moving, so if static time over delay time (about 1.5 seconds), even within the sensors the region, it will not be detected. According to the different materials objects enter in, with the different inducting rates, so different objects will be different in inducting locations.

1. Outer Dimension: 116mm×72mm×48mm

2. Parts Name



3. Installation

1) Install the main board. (within 4.0m)

2) Connect signal line to the power terminal end of automatic doors.

● Red: Power input 12V-24V AC/ DC

● Yellow: signal input - N.O/ COM

3) Remove the protective cover, and fix the main board with screw.

4) Connect the wire terminal of main board to the main board.

5) Connect sensor to the power supply, set up the detection region and each switches in accordance with the inside order.

4 .Troubleshooting

Trouble	Possible reasons	Solutions
No action	Too low voltage	Adjust to the appropriate voltage
	Cable connection is bad	Check cable connection and Terminals
Abnormal action	The dirt cover surface of sensor housing	Clean the surface
	Sudden changes in the detection regional environment	Inspect the environment
Unexpected action(repeat)	A moving object in the detection region	Remove the object
	A drop of water on the mask	Far away from the drop
	Shock of installation plane	Fix installation place
	Overlapping between the detection regional and door	Adjust the sensors angle to be away from the door

5. Technical parameters

Launch power density	5m W/cm2
Launch frequency	24.125GHz
Installation height	Below 4M
Supply Voltage	12~24V AC/DC
Detection angle adjustment	0° - 90°
Power consumption	1W(Max)
The biggest detection range	4m(width)*3m(depth)
Temperature range	-20°C ~ +65°C
Output relay maintain time	1.5s
IP protection rate	IP54