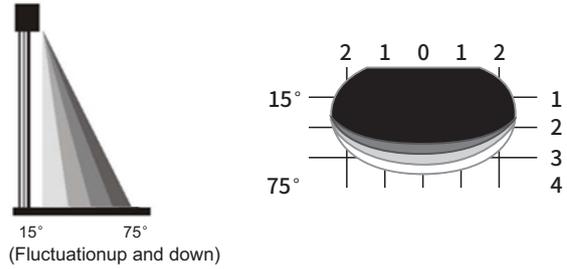


Operating Instructions

Mini Microwave Sensor



Detection direction adjustment
(Front and rear directions can be adjusted flexibly)



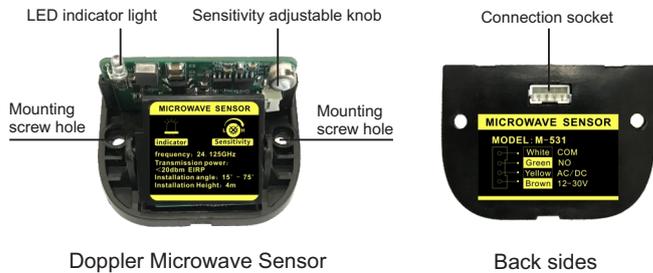
【NOTE】 Initial setting is 45degree by factory.
The above parameter is based on 2.8M installation height .
And all parameter values in this manual just for your reference, all are subject to the actual conditions.
Detection range will be different because of the making material of door and ground ,please adjust the sensitivity by the knob mentioned above.

1 Safety instructions



Thank you very much for purchasing this product. In order to use this product correctly, please read this operation manual carefully before using it.

2 Component name

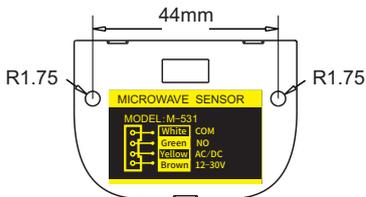


Doppler Microwave Sensor

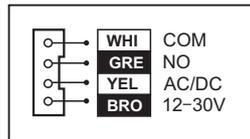
Back sides

3 Mounting hole size and wiring definition

Mounting hole size:

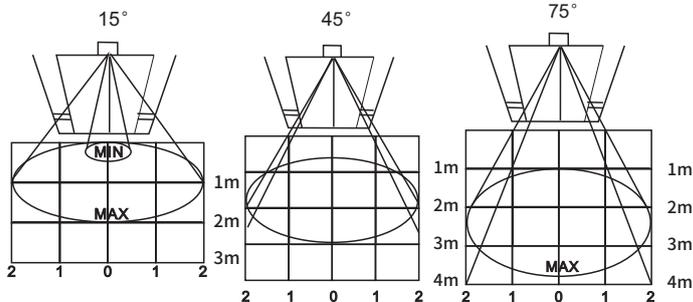


Wiring definition:



4 Data adjustment

Determine the detecting area. The detection area is as shown below:



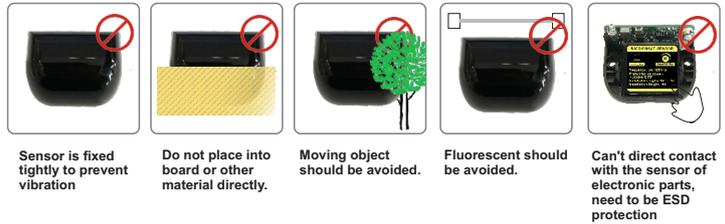
Sensitivity adjustment:



When the angle adjustment is larger, the sensing distance is farther, but meanwhile the blind area under the sensors will also become larger.

The higher sensitivity, the larger detection range;
The lower sensitivity, the smaller detection range.

5 Precaution



6 Troubleshooting

| Symptom | Cause | Methods |
|--|---|--|
| The door can't open, or the indicator light won't work | Not connected to power | Check the wiring and the power supply |
| Door keep on closed and open | Sensor detected the movement of autodoor; or the door vibrated as it closed | 1.adjust and increase the installation angle 2.Ensure that the sensor is properly fixed; 3.adjust and reduced sensitivity |
| Door do not close or Blue indicator do not work | 1.The autodoor switch is defective 2.incorrect position of switch 3.Incorrect output of sensors | Check and ensure the autodoor switch in working state;And check the output setting of sensors |
| Door keeps on moving when it rains | Sensor detected the falling raindrops | Adopt waterproof accessories |

7 Parameter

| |
|--|
| Technology: Microwave & Microwave processor |
| Emission frequency: 24.125GHz |
| Emission power: <20dBm EIRP |
| Emission frequency density: <5mW/cm2 |
| Maximum mounting height: 4000MM |
| Induction adjustment Angle: 15-75°(vertical) |
| Detection Mode: Motion |
| Detection speed(min): 5cm/s(Along the longitudinal axis of the sensor) |
| Detection range(Mounting height=2.8M): 4(W)x3(D) |
| Output connection point: Normally open |
| Output connect capacity: 120mA/60V |
| Standby current: 22mA(DC12Vpower supply) |
| Action current: 24mA (DC12Vpower supply) |
| Output time: 2S |
| Cable length: 2.5M |
| Temperature: -20°C to +55°C |
| Power voltage: AC/DC 12~30V |
| Dimension: 55(L)×40(W)×30(H)mm |