Your safety is our concern

Operation Instructions

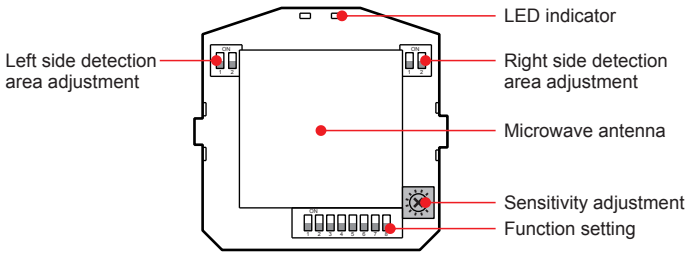
Multi-purpose microwave motion sensor

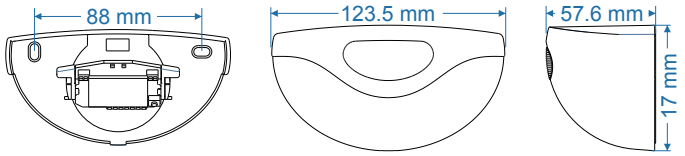
Argus Radar 2

1 Safety Instruction

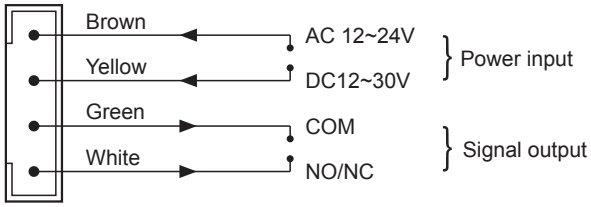
Thank you very much for purchasing this product, in order to use it correctly, please read this manual instruction carefully before use.

2 Product Overview



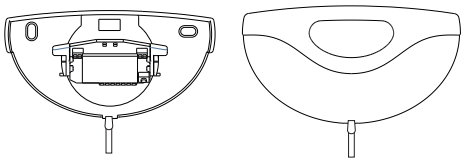


3 Wiring Definition



4 Installation

Open The Device

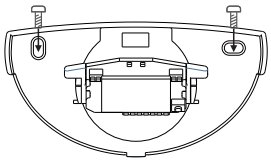


Insert a screwdriver into the opening slot and gently lever it, then remove the cover.

Mark And Drilling

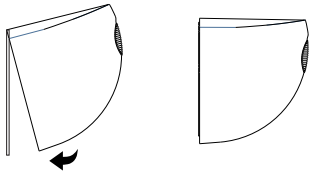
1. Put the sensor in the appropriate position, mark the holes;
2. Drilling the holes, and thread the wire through the holes.

Install The Sensor



Thread the wire through the holes and insert into the connection socket, then fix the sensor by the screws.

Tight The Cover



Insert the cover into the top of the sensor, press it down until they are tight.

Installation precautions

Fix the sensor tightly to avoid vibrating

Sensors should not be placed behind the shield.

Moving objects should be avoided

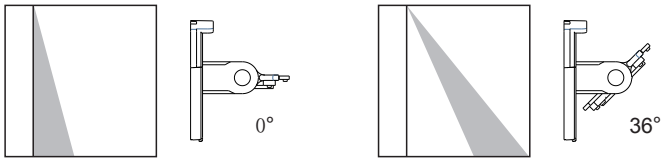
Fluorescent source can't be present

Do not touch directly, ESD Protection is necessary

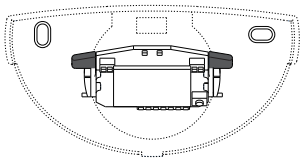
Before the device is powered on, clear other objects in the sensing area that not belong to the area.

5 Detection Range Setting

Vertical depth sensing adjustment

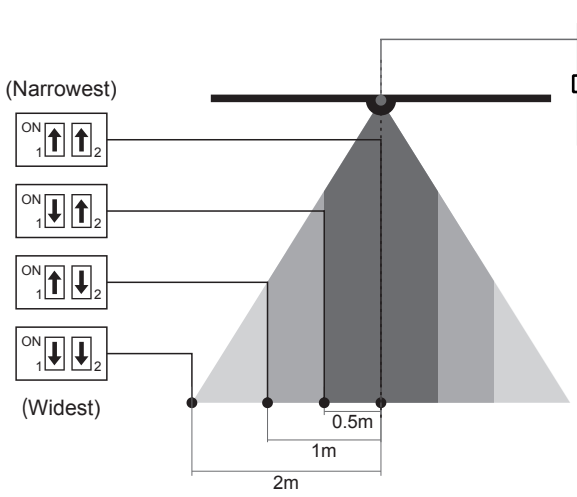


The depth sensing adjustment can be modified in 12° increments. Grasp the pivot handles on two sides of the sensor base and twist forward and backward to position as desired (factory default is 36°).

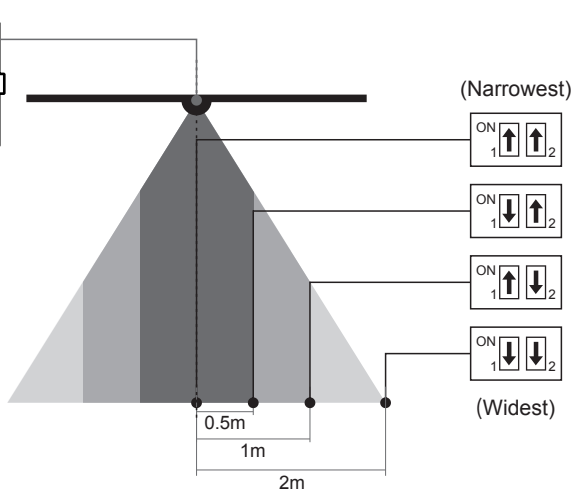


Note: Don't touch the microwave antenna directly with your hands during adjustment, as this may cause static electricity damage. Please adjust it using the pivot handle.

Left side detection area adjustment



Right side detection area adjustment



6 Function setting DIP switch

1 Direction	Bidirectional induction		Close, far away, lateral movement can be detected.
	Unidirectional induction		Close, lateral movement can be detected, far away won't be detected.
2 Relay	NO		Normally open output.
	NC		Normally close output.

3 Anti-interference	OFF		Normal default.		
	ON		Used to reduce interference such as rain, vibration and reflection.		
4 Low speed	OFF		When the movement speed is too slow, it will be filtered and won't be detected.		
	ON		Slow speed can also be detected, but the lateral suppression effect will be weakened.		
5 6 Lateral suppression	NONE	–	–	Width of induction	This function only works for unidirectional induction. When the lateral suppression function is used, the system ignores the DIP NO.1 selection and forces unidirectional induction. With three levels different induction effect, induction width is also different.
	Level 1		Light filter	2.5m	
	Level 2		Medium filter	2.1m	
	Level 3		Strong filter	1.3m	
7 8 Output hold	1 sec	1"	The system detects the moving object, it will trigger the signal output, until the object is stationary for 1 second, will stop the signal output.		
	2 sec	2"	The system detects the moving object, it will trigger the signal output, until the object is stationary for 2 second, will stop the signal output.		
	3 sec	3"	The system detects the moving object, it will trigger the signal output, until the object is stationary for 3 second, will stop the signal output.		
	5 sec	5"	The system detects the moving object, it will trigger the signal output, until the object is stationary for 5 second, will stop the signal output.		

7 Sensitivity adjustment

Clockwise adjustment, high sensitivity, counterclockwise adjustment, low sensitivity. A total of 10 levels adjustable.

8 Fault Resolutions

Failures	Possible Reason	Improvements
Door&Indicator lose failure	Did not get on power	Check cable connection & power supply
Door keep on closed and open	Sensor detected the movement of autodoor; vibration of movement	1, Increase the antenna installation height. 2, check the position 3, Reduce the sensitivity.
Door don't close and blue indicator off	1, Switch of autodoor controller lose failure 2, incorrect position 3.Incorrect output of sensor	Check the switch of autodoor controller &setting of output.
Door keeps on moving when it rains	Sensor detected the actions of rain	Adopt waterproof accessories

9 Technical Parameters

Technology:	Microwave&microwave processor	Max contact power supply:	42V AC/60V DC
Detect mode:	Motion detection	Max contact current:	1A
Detection speed:	≥0.1meter/sec	Output holding time:	1 sec, 2 sec, 3 sec, 5 sec adjustable
Pitch angle:	0-120 degree, 12 degree each level	Working temperature:	-25°C to+55°C
Detection range:	4 * 2 meters (Installation Height 2.6 meters)	Working humidity:	10%-90% RH(frostless)
LED indicators:	When power on, blue indicator light flashes for 10s,	Maximum installation height:	4 meters
	standby - Blue indicator, action - RED indicator	Cable length:	2.5 meters
Power supply:	AC 12-24V, DC 12-30V	Sheating material:	ABS plastic
Working current:	Standby 40mA, action 75mA(DC 12V)	Microwave transmitting frequency:	<20dBm
Signal output:	Relay 1 contact NO/NC	Dimension:	123.5(L)x57.6(W)x17(H)mm
Packing list:	Sensor x 1pc, instruction x 1pc, cable x 2.5 meters, screws x 1 bag		