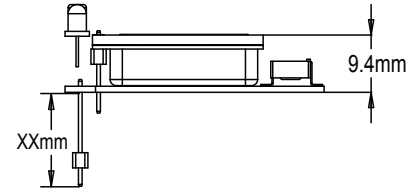
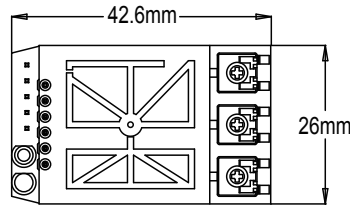
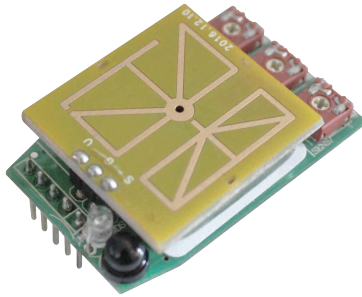


PD-S16-V1 Microwave Sensor Module

5.8GHz microwave sensor+MCU+IR receiver



Summary

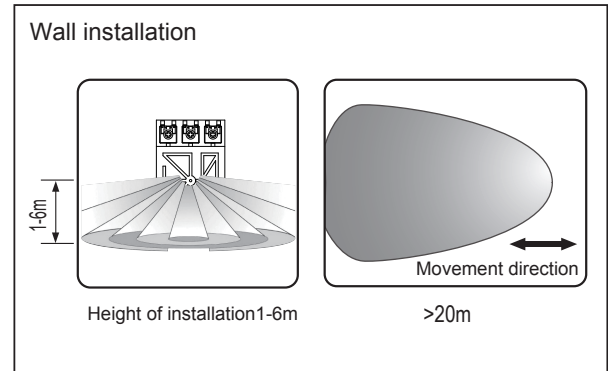
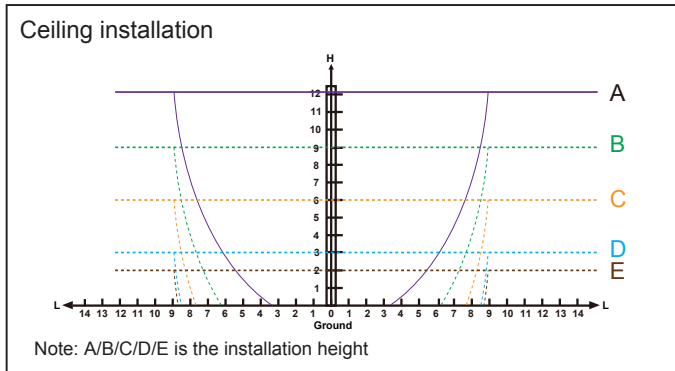
PD-S16-V1 is a complete sensing front-end control module composed of 360-degree 5.8GHz microwave sensor, photosensitive sensor, signal amplifier circuit, MCU and remote control receiver circuit. Three potentiometers can adjust the detection sensitivity, delay time, and illuminance range. The output control signal can directly control the relay circuit, the start pin of the switching power supply, and other control circuits. It is convenient for the secondary development of different users and the installation of shells with different structures.

Specifications

Power source: DC5V
 Working current: <30mA
 Microwave sensor working frequency: 5.8GHz
 Working temperature: -15°C~+70°C
 Time setting: 10sec-20min. (adjustable)
 Light-control: 10-300LUX, all light (adjustable)

Detection angle: 360° (ceiling installation),
 180°(wall installation)
 Detection range: 2-10m (radii.) (adjustable). (ceiling installation)
 Vertical movement detection distance: >20m
 Detection speed: 0.5m-1.5m/s
 Appearance size: 42.6mm (length) X 26mm (width) X 9.4mm (height)

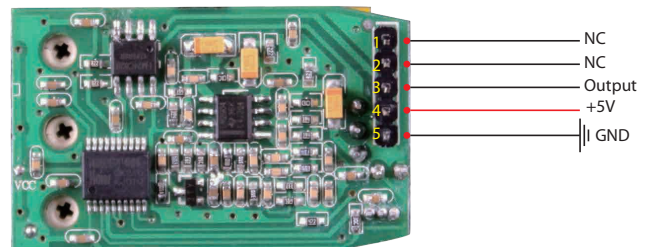
Sensor information



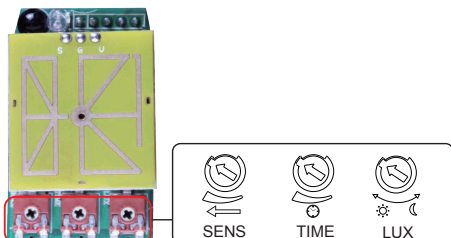
Function

Pin Dunction Description :

Number	Pin Name	Input / Output	Explanation
1	NC		NON
2	NC		NON
3	Output	Output	High level signal output 10sec-20min (adjustable)
4	+5V	Input	Power positive
5	GND	Input	Power negative



Knob adjustment:



(1) Detection range setting (sensitivity)

The user can reasonably choose the position of the potentiometer according to the needs of the detection range.

(2) Time setting

Users can choose the appropriate delay time according to different use environments and different product definitions.

(3)Light-control setting

The working illuminance value can choose a suitable position in the range of 10~300LUX and all light.