

Product Name: RCWL-0516 Microwave Radar Sensor Switch Module Human Induction Detector

Feature:

Size: 3.7X1.7cm

1. Operating Voltage: 4-28V
2. Operating Current: 2.8mA (typical); 3mA (max)
3. Detection Distance: 5-9m
4. Transmitting Power: 20mW (typical); 30mW (max)
5. Output Voltage: 3.2-3.4V
6. Output Voltage Driving Capacity: 100mA
7. Trigger Way: repeat trigger
8. Output Control Low Level: 0V
9. Output Control High Level: 3.3V
10. Operating Temperature: -20~80 celsius
11. Storage Temperature: -40~100 celsius

Product Description:

Adjustment Part Introduction:

1. C-TM

Adjust repeat trigger time, default trigger time is 2s; increasing capacitor's capacity will make repeat trigger time longer; and actual counting trigger time can operate as below:

Stick capacitor on C-TM, test 9196 3-pin frequency F, repeat trigger time $T = (1/f) * 32768$

2. R-GN

Detection distance adjustment; connect with resistor and detection distance will become shorter; if not connect, detection distance is 7m; if connect with 1M ohm resistor, detection distance is 5m

3. R-CDS

Internal VCC parallel connect with internal 1M ohm resistor to CDS pin (that is 196 9-pin) by R-CDS, CDS connects with photoresistor, you can close detection function at night

Pin Definition:

1. 3V3: 3V3 power output

2.GND:ground

3.OUT:control output;when detect moving objects,it will output high level

4.VIN:input voltage,4-28V

5.CDS:enable control chip,lower than 0.7V,OUT will output low level all the time

Package Included

1PCS X RCWL-0516 Microwave Radar Sensor Switch Module Human Induction Detector

