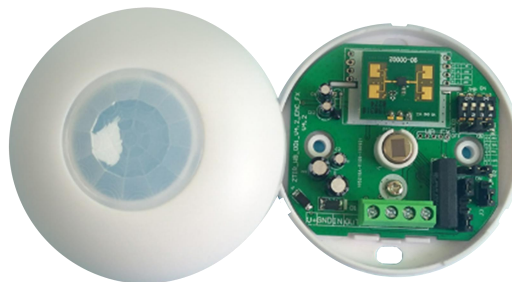


# MCP-023 Infrared-Microwave Human Body Sensor

## 1.Product description

This product is a sensor designed to sense moving objects using 24GHZ microwave signals with Doppler radar principle and PIR infrared sensor. When the sensor senses the movement of an object, it outputs a pulse signal (12V, GND, or dry contact), which enables other electrical equipment to run or stop. The product for the hotel or security management microwave + infrared double identification sensor, its use is mainly for the dynamic detection of major areas, good consistency, stable performance, easy to install.

## 2.Product pictures





### 3.Product parameters

Model	MCP-023	Microwave Detection Angle	150°
Working voltage	DC9-24V	Microwave Detection Range	MAX 10M(detection distance adjustable)

<b>Dynamic current</b>	≤75mA	<b>Infrared Detection Angle</b>	120°
<b>Protection Degree</b>	IP20	<b>Infrared Detection Range</b>	MAX 8M diameter
<b>Working frequency</b>	5.8GHz	<b>Relay output time</b>	3 ~ 60s(adjustable)
<b>Induction mode</b>	OR or AND(Optional)	<b>Working temperature</b>	30°C~+70°C
<b>Relay output voltage</b>	12,GND,dry contact(Optional)	<b>Working humidity</b>	< 93%RH no condensation
<b>Relay output mode</b>	Normally open and Normally close(Optional)	<b>LED indication output mode</b>	ON/OFF(can be set)
<b>Mounting height</b>	2.5M<H<3.5M(The mounting height can be adjusted according to the customer's choice of output method.)		

## 4.Product features

- Not affected by temperature,humidity,noise,airflow,dust,light,ect.
- 24G dedicated communication frequency band,which can effectively avoid the current universal 5GHz communication band.
- Higher sensitivity and longer sensing distance,up to 10 meters.

# 5.Detection range and installation requirements

## 5.1. Microwave

- Detection range radius 5M (mounting height 3m)
- Horizontal detection distance MAX10M
- No metal plate in front of the sensor
- Please restart the power when the sensor is moved from one position to another.
- When multiple sensors are installed on a site, please keep the distance between them more than 5M.

## 5.2. Infrared

- Detection range radius 4M (installation height 3 meters)
- Installation requirements: ceiling-mounted, antenna sensing surface vertically downward.
- Installation needs to be far away from motor interference, heat generator interference.