

# Dual-tech Indoor Detector



The SP221 is dual technology motion detector employing PIR and microwave (MW) radar detection technologies. This combination greatly reduces false alarms in the indoor environment where movement of warm air may trigger ordinary PIR detectors. Its digital microwave radar brings greater range accuracy, better sensitivity control, and its fast response time minimizes microwave operation period allowing the product to be fully powered by battery only.

## Main Features

- Dual technology PIR and MW sensor to reduce false alarm
- Digital 24 GHz microwave K band technology
- Pet immune up to 27kgs
- Temperature compensation for PIR
- Adjustable sensitivity for both PIR and MW paths
- Configurable ROI (Region of Interest) for MW detection area
- Battery powered with optional DC input
- Tamper detection for opening and mounting removal
- Certified to EN50131



## Brief Product Specifications

Function	Dual-tech indoor motion detector
RF protocol	U-Net 5.0
RF band	868MHz(EU), 923MHz(US)
RF range(open space)	>1 km
Microwave band	K band, 24.125G
Mounting height	2.1m~2.3m(recommended)
Detection range	Up to 12m x 110° (at 2.1m mounting height & below 25°C)
Pet immunity	Weight-Up to 27kg

Power input	CR123A battery x 3 DC 9~12V
Battery life	Up to 4 years
Operating temperature	-10°C~ 55°C
Operating humidity	Up to 85% RH
Dimension (mm)	Wireless: 38(W) x 40(D) x 155(H)
Weight	170g

### Note:

The actual battery life may be different by product settings, usage patterns and operating environment

