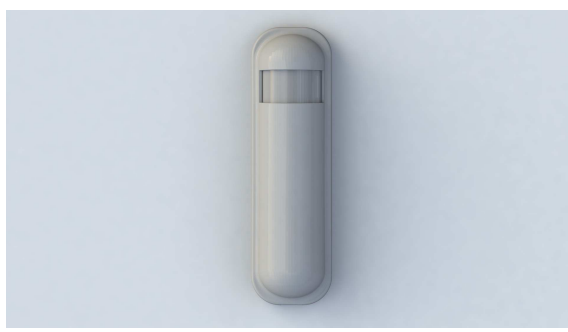


# PSP01-1/-2/-3/-4 PIR/Motion 3 in 1 Sensor Z-Wave Series



## Features

- (1)PIR, (2)temperature, (3)illumination 3 in 1 sensor
- Adopt newest Z-wave 400series chip , support multichannel operation and higher data rate (9.6/40/100kbps)
- Super mini design and good PIR detect range
- Higher output power (+2.5dBm output power as compared to -2.5dBm 300 series Z-wave module) to enhance the communication range
- Built in Illumination sensor while applied to light control
- Adopt Z-Wave protocol to secure the success of wireless two way communication
- With Tamper proof protection
- Easy install
- Low battery indication
- Z-Wave V6.02
- Z-Wave Certificated No. ZC08-13050003
- Auto report the open/close status and battery status
- LVD: EN60950-1:2006+A11:2009
- FCC part15.249 / EN300 220-1/ certificated
- NCC



## Introduction

The PIR/Motion 3 in 1 sensor is designed with three detecting sensors, (1)PIR/Motion , (2)temperature, (3)illumination 3 sensor , to detect movement within a protected area, operating at 908.42( USA)/868.42 (EU) /921.42(AU)/ 922.5/923.9/926.3MHz (Taiwan/JP) MHz

The detector can be used as a security device or home automation device. When the detector is cooperated with security appliances, the detector is acting as a security device by detecting changes in infra-red radiation levels. If a person moves within or across the devices field of vision, a trigger radio signal will be transmitted to cause full alarm condition in order to frighten intruders away. Alternatively, when the detector is worked with Z-Wave Controller, the detector can be set to perform the role of home automation device by detecting both changes in infra-red radiation levels and percentage of lux levels. Once night falls, the percentage of ambient illumination is lower than preset value. If a person moves within or across the devices field of vision, a trigger radio signal will be transmitted so as to turn connected lightings for better illumination.

Every time when PIR trig, the sensor will also send temperature and illumination value as well. Also the temperature will send out the value when temperature changes.

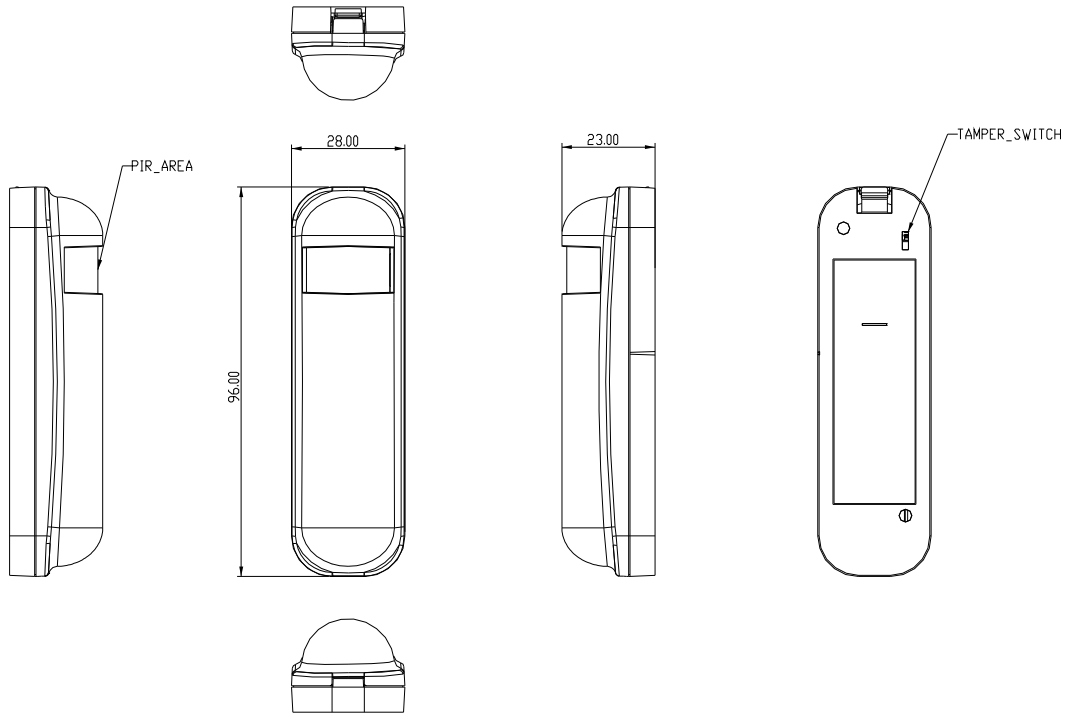
## Specification

Power	Operating Voltage Standby current Operating current Low battery voltage	3V CR123A 48 uA 37mA 2.6V
RF	Frequency-1/-2/-3/-4 Regulation Distance	868.42 (EU) / 908.42(USA) / 922.5/923.9/926.3(Taiwan/JP) / 921.42(AU) MHz FCC part15.249 / EN300 220-1/ min. 30m indoor min. 100m outdoor
Mechanical	weight Dimension (W x H x D)	39 g (with battery) 28 X 96 X 23 mm
Battery	CR123A Battery life	1500mAh > 2 years
Environment	Operation Temperature Humidity	-10 ~ 40° C 85%RH max
Temperature	Detect range	-10 ~ 70° C
Illumination	Range	0 ~ 500 lx
PIR range	Front +/- 45 (Left to right)	8~10m 6~8m



**Dimension**

**unit:mm**



**Application:**

Home Security  
Home Automation

**Philio Technology Corporation**

[www.philio-tech.com](http://www.philio-tech.com)

