

WZB-SPM05 ZigBee Wireless PIR Motion Detector



Features & Benefits

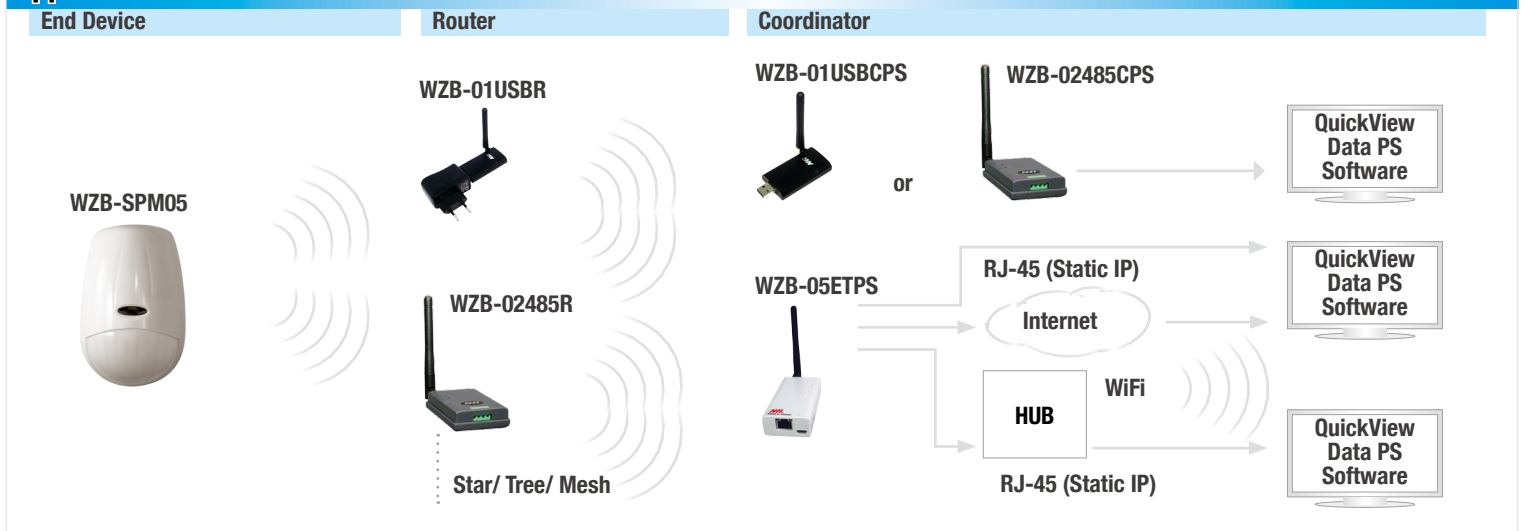
- Battery powered no external power source needed
- Detects Motion within 9m range
- Pet-Immunity will avoid false alarms
- Power saving mode for a longer battery life
- HA Profile Compliant

The WZB-SPM05 is a easy to use ZigBee Motion Sensor. The motion detector can be quickly integrated into your home automation system for security or light control. The WZB-SPM05 functions as an end device and is compliant with ZigBee HA Profile which allows you to easily join the motion detector with other routers and coordinators. The Pet-Immunity helps you to avoid false alarms from pets that cross the sensing area of the motion detector.

Specifications

Sensing Type	PIR motion sensor	Receiver Sensitivity	-95dBm
Sensing Range	9 m	Power Consumption	TX : 35mA Sleep:1.3uA
Installation height	2.0 to 2.5 m	Power-saver mode	Alarm interval every 3 mins. (default)
pet-immunity	Pet is smaller than 15 kg (Height 2.2 m to 2.4 m is available pet-immunity height)	Network Topology	Star/ Tree/ Mesh
Transmitting Protocol	UART : Modbus RTU / ZigBee: HA profile	Power Supply	3V 1 x CR123A battery
Addressing	IEEE MAC 64bit	Operating Environment	0 ~ +50 °C/ +32 ~ +122 °F, 0~75% RH
Wireless Protocol	IEEE 802.15.4, ZigBee2007/ PRO	Dimensions	95 (L) x 64 (W) x 49 (H) mm
Transmission Range	Up to 100 meters / 328 feet	Weight	92g/ 3.25oz w/ battery
Operating Frequency	2.4 GHz ISM Band	Battery Life	1 year based on sending data 25 times@day
RF Output Power	1mW/ 0dBm		

Application Solutions



Ordering Code & Accessories

Solution	Ordering Code	Description	Solution	Ordering Code	Description
End Device	WZB-SPM05	ZigBee Wireless PIR Motion Sensor	Coordinator	WZB-1USBCPS	ZigBee Wireless coordinator
Router	WZB-01USBR	ZigBee Wireless router	Coordinator	WZB-02485CPS	ZigBee Wireless coordinator
Router	WZB-02485R	ZigBee Wireless router	Coordinator	WZB-05ETPS	ZigBee ethernet converter