

ZM-800W PIR Motion Detector



Product summary

A motion sensor (passive-infrared or PIR) detects movement within a specific area by sensing the infrared energy emitted from a body as it moves across the sensor's field of view. When this motion is detected, the sensor transmits an alarm signal to the control panel.

Use these motion sensors to protect locations where door/window sensors are impractical or not needed. For example, use a motion sensor to protect large areas or open floor plans. Motion sensors also provide backup protection for door/window sensors.

ZM-800 wide angle PIR motion detector built with Z-Wave Plus module, utilized unique customs & high durability fresnel lens, the combination of dual element passive infrared technology and microprocessor intelligent processing provides precious body detection and outstanding Pet immunity function.

The PIR motion detector utilizes ultra-low power consumption design to make long battery lifetime, also integrated with RF immunity, temperature protection and noise reduction so on technologies against false alarm technology, has high durable with local temperature changing caused by curtain or sun light etc.

Feature:

- Attractive Sleek Design with stylish white housing.
- Comprehensive detection technology combined passive infrared and microprocessor intelligent processing to eliminate the change of false alarm.
- Intelligent temperature compensation circuit, reliability operation at high temperature.
- Low power consumption design, longer battery life.
- Optional for pulse accounting process (2/4), more application.
- Downward view (look-down) detection to eliminate dead detection area beneath the sensor.
- Built with tamper proof and self-test supervision function.
- Prevents insect access into housing, reducing the chance of false activation.

Appearances:

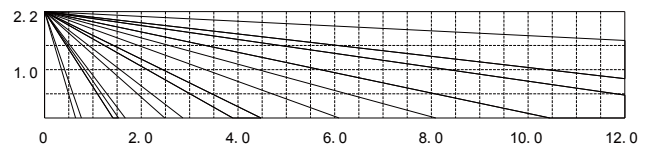


Technical Data:

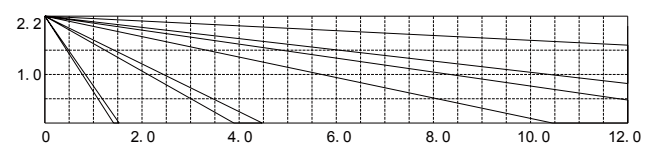
Power Supply	3.6V (ER14505 2700mAh)
Battery Life Expectancy	3 years (for typical use)
Detection Method	Passive Infrared
Detection Area	12m x 12m
Detectable Walk Rate	0.15~3.0 m/sec. (0.5-10 ft./sec)
Operating Temperature	-10°C - +50°C
RF Interference	No Alarm at 10V/m
White light immunity	≥6500Lux
Pulse Count	Approx. 20 sec. 2 or 4
Pet immunity	up to 40 kgs (66 lbs)
Start-up time	~40 sec.
Power Consumption	Alarm (Max.): 50mA Standby: 17uA
Mounting Height	2~2.6m
Dimensions	96.0x65.0x40.0mm
Compliance with Standards	Meet EN50131-2-2, UL639
Radio Protocol	Z-Wave Plus
Radio Frequency	868,4 MHz EU (Model ZM-800WE) 908,4 MHz US (Model ZM-800WU) 921,4 MHz AU/NZ (Model ZM-801WO) 869,2 MHz RU (Model ZM-800WR)
Range	up to 30 meters indoors, depending on building materials used and the building structure

Detection area:

Standard area (unit: m)



Anti-pet area (unit: m)



Top view (unit: m)

