

# Wireless Wide-angle Passive Infrared(PIR) Detector ZM-800

## Installation:

1. Open the detector's casing;
2. Tighten the detector's rear casing onto the installation location with screw-driver;
3. Place battery into the casing;
4. Close the front casing and tighten the front casing and rear casing.

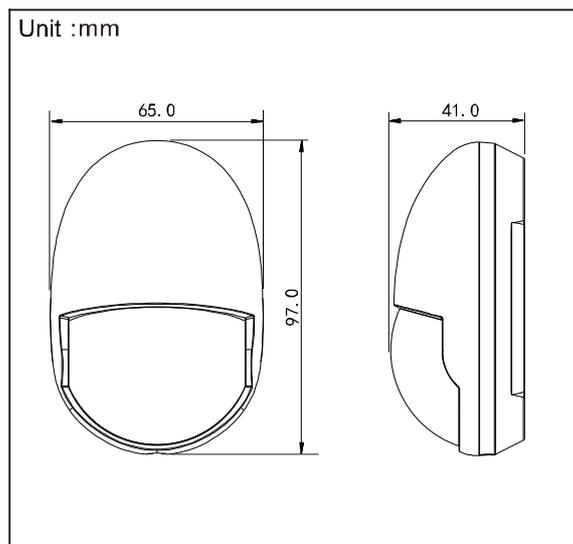
## Description:

ZM-800 based on dual-passive infrared detection parts and microprocessor intelligent processing technology, with an unique and highly durable Fresnel lens, can provide accurate human movement detection and anti-pet feature.

## 1. Specification

Product No.	ZM-800
Detection Range	12 mx12 m
Battery	3.6V (ER14505 )
Life Time	2 Years
Power Consumption	Alarm: 50mA MAX, Standby: 30uA MAX
Pulse Mode	2 / 4 Selectable
Init. Time	40 s
Response Speed	0.15-3.0m/s
LED	Red: Alarm, Blue: Z-WAVE Operation
Wireless	Z-Wave Plus
Tamper-proof switch1	NC, Active when front casing removed
Tamper-proof switch2	NC, Active when product removed
Environment	Indoor, wall-mounted
Installation height	2~2.6m
Temperature	-10 ~50 C
Humidity	0 ~ 95%
Weight	80g

## 2. Dimension



## 3. Guide

1. Check lens and switch status is OK

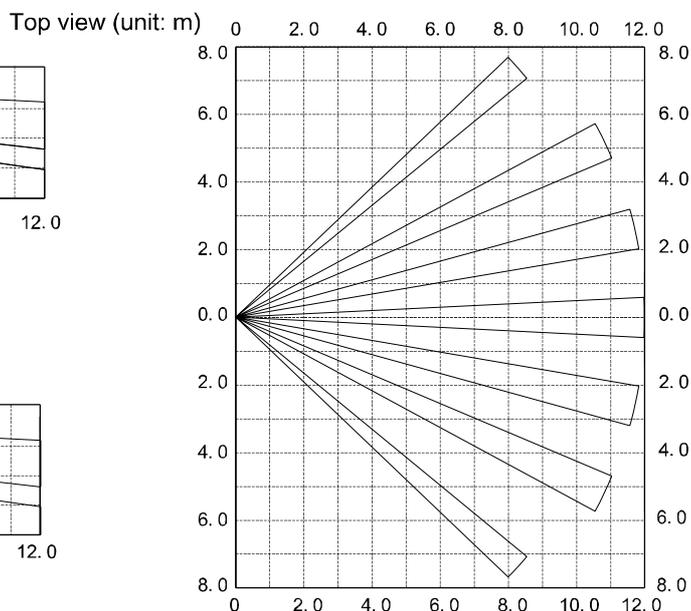
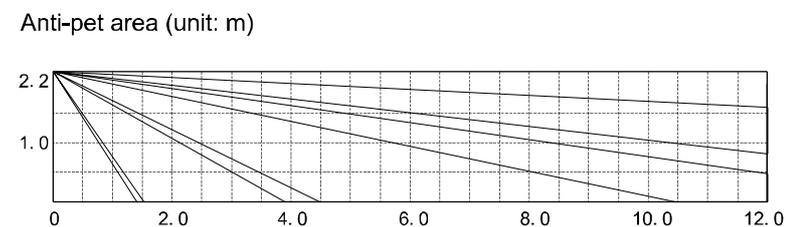
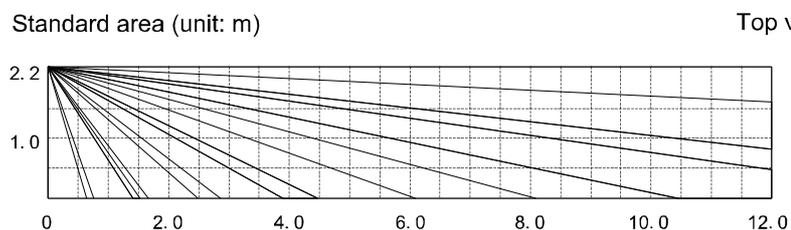
2. Install the product according to the picture below

NOTE: Switch configuration

1. Pulse mode  
Choose pulse mode (2 or 4) via switch

2. Working mode  
Test: Alarm each time if body is detected  
Work: Standby 5 minutes after each alarm

## 4. Detection area



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### 4. Z-Wave startup

#### Inclusion of ZM-800 into Z-Wave network

1. Make sure ZM-800 is in the range of the Z-Wave controller.
2. Set the Z-Wave controller to the inclusion mode.
3. Quickly pressing TP-Switch2 button 3 times on the ZM-800.
4. The ZM-800 is added to the network .

#### Exclusion of ZM-800 from Z-Wave network

1. Make sure ZM-800 is in the range of the Z-Wave controller.
2. Set the Z-Wave controller to the exclusion mode.
3. Quickly pressing TP-Switch2 button 3 times on the ZM-800.
4. The ZM-800 is deleted from the network .

### 5. Association

Association allows the Sentek PIR motion Sensor to directly control another device in the Z-wave network, e.g. Dimmer, switch (On-Off), Roller Shutter or trigger scenes.

The ZM-800 Motion Sensor supports three association groups.

1. Group I is assigned to TP-Switch2 button and the PIR sensor, Sending ALARM command frames (5 nodes).
2. Group II is assigned to the PIR sensor, Sending ALARM command frames (5 nodes).
3. Group III is assigned to the PIR sensor, Sending ALARM command frames (5 nodes).

### 6. Configuration

#### Device parameters:

Parameter no. 1: LED enable.

Default setting: 1-- LED enable

Available parameter settings:

0- LED disable,

1- LED enable.

Parameter value: 1 [byte].



Parameter no. 2: Powerdown timeout.

The device will be power-down as soon as there is no activation and the timeout time reached.

Available parameter settings:

Reserved for future

Parameter value: 1 [byte].

### 7. Reset ZM-800

1. Press the TP-Switch2 button more than 5 seconds.
2. Z-Wave LED is start blinking.
3. Release the TP-Switch2 button right now.
4. Z-Wave LED off, reset is performed.

Note: if button is pressed more than 10 second, reset function is ignore.

Use the reset procedure only in the event that the network primary controller is missing or otherwise inoperable.

### 8. Announcement



**This Device may be used with all devices certified with Z-Wave Plus certificate and should be compatible with such devices produced by other manufacturers.**

## Sentek

In case of any technical questions contact customer service center.

[www.sentek.cc](http://www.sentek.cc)