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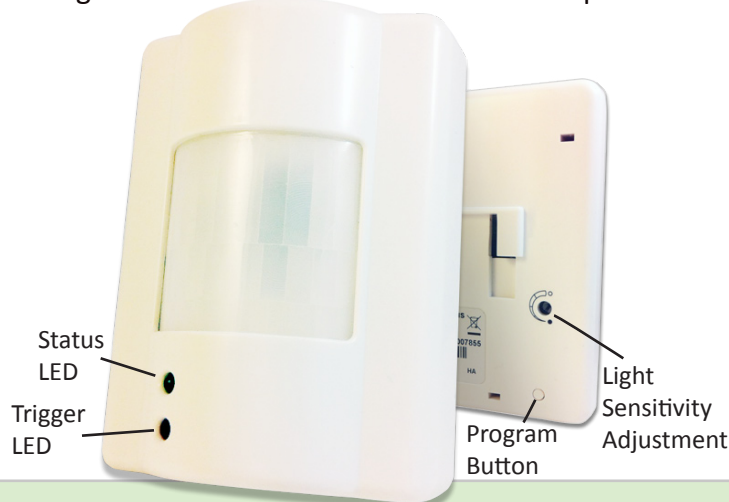


ZigBee®
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Quick Start Guide - ZBMS3 Model #1019C

ZigBee Wireless Motion Sensor with Temperature



Product Brief

The ZBMS3 is an advanced motion sensor that senses and reports motion, reports temperature, and can turn ZigBee devices on and off based on ambient light conditions.

This motion sensor can be used as a ZigBee IAS (Intruder Alarm System) sensor and can be registered to a CIE (Control & Indicating Equipment) device and/or bound to an On/Off device to simply turn a light on when motion is detected.

Installation

ZBMS3 must be installed indoors

Battery Installation

- Press cover release button while pulling off cover
- Factory reset device
 - Press Program Button while installing 2 x CR123A batteries
 - Status LED will flash rapidly
 - Power cycle device - remove one battery and replace
- Put cover back on device

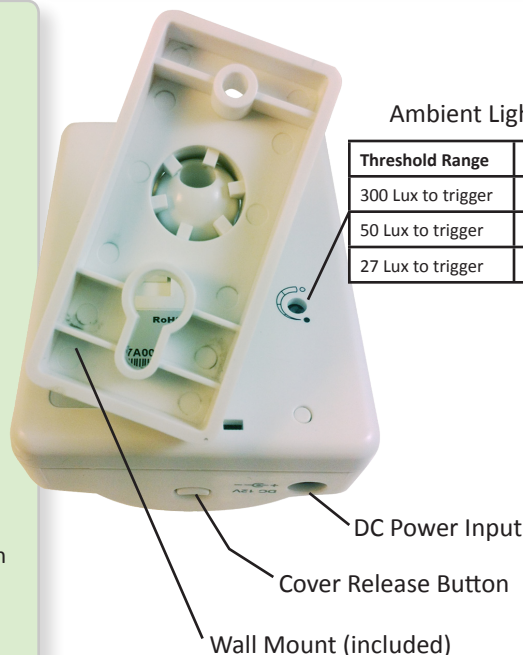
**** battery power for security system installations is recommended****

Power Supply Installation (If not using battery power)

- Factory reset device
- Plug adaptor tip into ZBMS3 before powering adaptor
 - Press Program Button on ZBMS3 while plugging 12V DC adaptor into power (120V AC)
 - Status LED will flash rapidly
 - Power cycle device - unplug power adaptor and plug back in

Mount ZBMS3 using wall mount bracket (included)

- Mount in a position that does not receive direct sunlight and will not detect motion that is not desired to detect (Ex. outdoor motion)



Ambient Light Adjustment

Threshold Range	Adjustor Position
300 Lux to trigger	clock-wise max
50 Lux to trigger	mid position
27 Lux to trigger	counter clock-wise max

Set-up

1. Joining the ZBMS3 to the Network

- Open a ZigBee router or coordinator to permit joining of your ZBMS3 to the network.
- LED will blink 5 times when it joins to a network (look for CIE registration blinks after the joining indication, refer to next section)

2. Register to ZigBee CIE (optional, if available)

- Registration to CIE device is done automatically right after the ZBMS3 joins the network.
 - 2 blinks on Status LED indicates no CIE was found to register to
 - 6 blinks indicates successful enrollment
 - 4 blinks indicates enrollment failure





Bind ZBMS3 to On/Off device

Bind ZBMS3 to a ZigBee On/Off device to turn ON the device whenever motion is sensed and the ambient light is below the set threshold. The motion sensor will turn OFF the device when motion is not seen for 30 seconds.

1. Tap Program Button on ZBMS3 **twice** within 5 seconds of each tap
2. Put the On/Off device you want to bind to into binding mode according to its instructions
 - Status LED will blink 5 times if pairing is successful, otherwise the LED will remain off

Bind ZBMS3 to Temperature device

The ZBMS3 will report temperature measurements every 3 minutes. If another reporting interval is needed, the device must first be bound to a ZigBee device (typically the coordinator/gateway) with the Temperature Measurement Cluster and then configured to report the desired interval.

1. Tap Program Button on ZBMS3 **three times** within 5 seconds of each tap
2. Put the On/Off device you want to bind to into binding mode according to its instructions

Take note...

1. The ZBMS3 is a ZigBee end device and takes various measures to conserve battery (even if DC powered)
2. The device will be inactive for 1 minute after joining the network
3. After sensing motion once, the ZBMS3 will not send another report for 30 seconds

