GE Portable Smart Motion Sensor 34193/ZW6302 Manual

Contents

GE

Portable Smart Motion Sensor

SKU: 34193/ZW6302

Quickstart

This is a

Alarm Sensor
for
U.S. / **Canada** / **Mexico**.

To run this device please connect it to your mains power supply.

To add this device to your network execute the following action:
1. Follow the instructions for your Z-Wave certified controller to include a device to the Z-Wave network. 2. Once the controller is ready to include your device, press and release the program button to include it in the network. 3. The blue LED will activate for 3 seconds to confirm it has been included.

Please refer to the
Manufacturers Manual for more information.

Important safety information

Please read this manual carefully. Failure to follow the recommendations in this manual may be dangerous or may violate the law.
The manufacturer, importer, distributor and seller shall not be liable for any loss or damage resulting from failure to comply with the instructions in this manual or any other material.

Use this equipment only for its intended purpose. Follow the disposal instructions.

Do not dispose of electronic equipment or batteries in a fire or near open heat sources.

What is Z-Wave?

Z-Wave is the international wireless protocol for communication in the Smart Home. This device is suited for use in the region mentioned in the Quickstart section.

Z-Wave ensures a reliable communication by reconfirming every message (**two-way communication**) and every mains powered node can act as a repeater for other nodes (**meshed network**) in case the receiver is not in direct wireless range of the transmitter.

This device and every other certified Z-Wave device can be **used together with any other certified Z-Wave device regardless of brand and origin** as long as both are suited for the same frequency range.

If a device supports **secure communication** it will communicate with other devices secure as long as this device provides the same or a higher level of security. Otherwise it will automatically turn into a lower level of security to maintain backward compatibility.

For more information about Z-Wave technology, devices, white papers etc. please refer to www.z-wave.info.

Product Description

Make the move toward convenience with the Z-Wave Portable Smart Motion Sensor for your home. This Z-Wave compatible device boosts the safety of your home by working with your homes gateway to wirelessly trigger scenes and send alerts to your smartphone or tablet whenever motion is detected. Use the included batteries for easy placement anywhere, plug into the wall using a AC adapter and USB cablenever replace batteries again.

Prepare for Installation / Reset

Please read the user manual before installing the product.

In order to include (add) a Z-Wave device to a network it **must be in factory default state.** Please make sure to reset the device into factory default. You can do this by performing an Exclusion operation as described below in the manual. Every Z-Wave controller is able to perform this operation however it is recommended to use the primary controller of the previous network to make sure the very device is excluded properly from this network.

Reset to factory default

This device also allows to be reset without any involvement of a Z-Wave controller. This procedure should only be used when the primary controller is inoperable.

1. Press the program button 10 times within 6 seconds. 2. The blue LED will blink for 3 seconds. Note: This should only be done in the event your primary controller is missing or otherwise inoperable.

Safety Warning for Mains Powered Devices

ATTENTION: only authorized technicians under consideration of the country-specific

installation guidelines/norms may do works with mains power. Prior to the assembly of the product, the voltage network has to be switched off and ensured against re-switching.

Inclusion/Exclusion

On factory default the device does not belong to any Z-Wave network. The device needs to be **added to an existing wireless network** to communicate with the devices of this network. This process is called **Inclusion**.

Devices can also be removed from a network. This process is called **Exclusion**. Both processes are initiated by the primary controller of the Z-Wave network. This controller is turned into exclusion respective inclusion mode. Inclusion and Exclusion is then performed doing a special manual action right on the device.

Inclusion

1. Follow the instructions for your Z-Wave certified controller to include a device to the Z-Wave network. 2. Once the controller is ready to include your device, press and release the program button to include it in the network. 3. The blue LED will activate for 3 seconds to confirm it has been included.

Exclusion

1. Follow the instructions for your Z-Wave certified controller to exclude a device from the Z-Wave network.2. Once the controller is ready to exclude your device, press and release the program button to exclude it from the network.

Quick trouble shooting

Here are a few hints for network installation if things dont work as expected.

1. Make sure a device is in factory reset state before including. In doubt exclude before include.
2. If inclusion still fails, check if both devices use the same frequency.
3. Remove all dead devices from associations. Otherwise you will see severe delays.
4. Never use sleeping battery devices without a central controller.
5. Dont poll FLIRS devices.
6. Make sure to have enough mains powered device to benefit from the meshing

Association – one device controls an other device

Z-Wave devices control other Z-Wave devices. The relationship between one device controlling another device is called association. In order to control a different device, the controlling device needs to maintain a list of devices that will receive controlling commands. These lists are called association groups and they are always related to certain events (e.g. button pressed, sensor triggers, …). In case the event happens all devices stored in the respective association group will receive the same wireless command wireless command, typically a ‘Basic Set’ Command.

Association Groups:

Group NumberMaximum NodesDescription

1	5	Group 1 supports Z-Wave Plus lifeline communication and notification. lifeline association only supports t he u0022manual resetu0022 event and notification report, however it can be changed to send basic set with notification and basic report with notification. See programming instructions.

Configuration Parameters

Z-Wave products are supposed to work out of the box after inclusion, however certain configuration can adapt the function better to user needs or unlock further enhanced features.

IMPORTANT: Controllers may only allow configuring signed values. In order to set values in the range 128 … 255 the value sent in the application shall be the desired value minus 256. For example: To set a parameter to 200â€ˆit may be needed to set a value of 200 minus 256 = minus 56. In case of a two byte value the same logic applies: Values greater than 32768 may needed to be given as negative values too.

Parameter 13: PIR Sensitiivity Setting

You can modify the sensitivity of PIR if changing the value in parameter 13
Size: 1 Byte, Default Value: 3

SettingDescription

1	Low Sensitivity
2	Medium Sensitivity
3	High Sensitivity

Parameter 18: PIR Timeout Duration

PIR Timeout Duration
Size: 1 Byte, Default Value: 4

SettingDescription

1 – 60	1 min to 60 min
255	5 seconds

Parameter 20: Basic Set, Notification and Basic Report

Changing Parameter 20 can let the motion sensor send out u0022Basic Setu0022 command or u0022Basic Reportu0022 command or u0022Notificationu0022 report to Z-Wave devices.
Size: 1 Byte, Default Value: 1

SettingDescription

1	Motion Sensor will send out Notification
2	Motion Sensor will send out Basic Set
3	Motion Sensor will sendout Basic Report

Parameter 28: Enable & Disable the LED indication when PIR is triggered

Enable & Disable the LED indication when PIR is triggered
Size: 1 Byte, Default Value: 1

SettingDescription

0	Disable
1	Enable

Technical Data

Hardware Platform	ZM5101
Device Type	Notification Sensor
Network Operation	Reporting Sleeping Slave
Firmware Version	HW: 255 FW: 5.22
Z-Wave Version	6.51.07
Certification ID	ZC10-16085167
Z-Wave Product Id	0x0063.0x4953.0x3133
Sensors	
Firmware Updatable	
Frequency	XXfrequency
Maximum transmission power	XXantenna

Controlled Command Classes

- Basic

Explanation of Z-Wave specific terms

- **Controller** — is a Z-Wave device with capabilities to manage the network. Controllers are typically Gateways,Remote Controls or battery operated wall controllers.
- **Slave** — is a Z-Wave device without capabilities to manage the network. Slaves can be sensors, actuators and even remote controls.
- **Primary Controller** — is the central organizer of the network. It must be a controller. There can be only one primary controller in a Z-Wave network.
- **Inclusion** — is the process of adding new Z-Wave devices into a network.
- **Exclusion** — is the process of removing Z-Wave devices from the network.
- **Association** — is a control relationship between a controlling device and a controlled device.
- **Wakeup Notification** — is a special wireless message issued by a Z-Wave device to announces that is able to communicate.
- **Node Information Frame** — is a special wireless message issued by a Z-Wave device to announce its capabilities and functions.