HEIMAN®

Heiman

Heiman Indoor Siren

SKU: HEIEHS2WD

Quickstart

This is a **On/Off Power Switch** for **Europe**. To run this device please insert fresh **1 * 3,8V 700mAh** batteries. Please make sure the internal battery is fully charged. To add this device to your network execute the following action:

? Press the Net_Button 3 times within 1.5s, Green LED is Blinking 3 times within 1.5second.
? If add Process is successful, Green LED will turn off.

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

?Smart Siren supports OTA function and S2 encryption function.
?Product support sound and light alarm.
?Product is S2 Unauthenticated devices.
?This device is a security enable Z?Wave Plus product that is able to use encrypted Z?Wave Plus messages to communicate to other security enable Z?Wave Plus products.
Note: A "Security Enable Z?Wave Controller" must bu used in order to fully utilize this function.

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.

Long press Net_Button at least 10 seconds in the product

Safety Warning for Batteries

The product contains batteries. Please remove the batteries when the device is not used. Do not mix batteries of different charging level or different brands.

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.
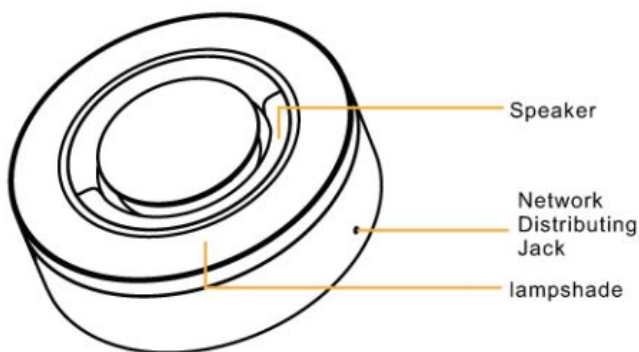
Inclusion
? Press the Net_Button 3 times within 1.5s, Green LED is Blinking 3 times within 1.5second.
? If add Process is successful, Green LED will turn off.

Exclusion
? Press the Net_Button 3 times within 1.5second.
? If remove Process is successful, Green LED is Blinking 6 times, then turn off.

Product Usage

The device is powered on. The red LED is onfor two seconds to extinguish. The device is powered on. If the device is added to the gateway, the gateway can control the device alarm and cancel the alarm. When the alarm mode is used, the device emits an alarm sound and the red LED flashes.

?Backup battery:
The main power of the equipment is cut off, and the backup battery is used to keep the equipment on standby for 4 hours, and then the equipment can also be alarmed for 5 minutes.

Battery Report description
The battery is transmitted in half an hour
? Battery Report is transmitted when a battery falls less than 0%

Battery Voltage	Battery Level
3,7V ~ 4,1V	0 ~ 100 %
Under 3,7V	255 (0xFF)

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 Number	Maximum Nodes	Description
1	5	Lifeline

Technical Data

Dimensions	0.0780000x0.0780000x0.0780000 mm
Weight	121 gr
Hardware Platform	ZM5202
EAN	6971348970345
IP Class	IP 20
Voltage	230 V
Battery Type	1 * 3,8V 700mAh
Device Type	On/Off Power Switch
Generic Device Class	Binary Switch
Firmware Version	01.01
Z-Wave Version	04.26
Certification ID	ZC10-18066158
Z-Wave Product Id	0x0260.0x8009.0x1000
Frequency	Europe - 868,4 Mhz
Maximum transmission power	5 mW

Supported Command Classes

- Basic
- Switch Binary
- Switch All
- Association Grp Info
- Device Reset Locally
- Zwaveplus Info
- Manufacturer Specific
- Powerlevel
- Battery
- Association
- Version

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.