




AEO_DSD31 Plugable Z-Wave Siren

Firmware Version : 1.23

Quick Start

 This device is a wireless Z-Wave actor. For Inclusion and Exclusion push the Action button one time. Please refer to the chapters below for detailed information about all aspects of the products usage.

Product description


The siren will warn everybody in the building by a loud sound and a flashing light about an alarm. This product is especially suited for security applications in combination with other Z-Wave devices such as door or windows sensors or motion detectors. The siren gives a loud sound and a flashing warning light, so everybody in the building will know immediately that an alarm has occurred. The noise level of the siren is > 105 dB in range of 1 meter. The device can be plugged into any typical electrical outlet. During a power failure, the siren can operate with a internal lithium battery.

When included securely the device is able to accept secure commands and to send secure commands to other devices. The commands and the receiver of the commands sent out on single click and on double click of the rocker can be defined in configuration parameters and association groups.

Installation Guidelines

The device can be installed on every Schuko plug without any further restrictions.

Behavior within the Z-Wave network

 On factory default the device does not belong to any Z-Wave network. The device needs to join an existing wireless network to communicate with the devices of this network. This process is called **Inclusion**. Devices can also leave a network. This process is called **Exclusion**. Both processes are initiated by the primary controller of the Z-Wave network. This controller will be turned into exclusion respective inclusion mode. Please refer to your primary controllers manual on how to turn your controller into inclusion or exclusion mode. Only if the primary controller is in inclusion or exclusion mode, this device can join or leave the network. Leaving the network - i.e. being excluded - sets the device back to factory default.

If the device already belongs to a network, follow the exclusion process before including it in your network. Otherwise inclusion of this device will fail. If the controller being included was a primary controller, it has to be reset first.

After you have set the controller in the inclusion / exclusion mode, press the action button once to confirm the inclusion / exclusion of the device.

During this process, the sirens LEDs lights and goes out after successful inclusion / exclusion .

Operating the device



Is the siren in the normal mode, the LED is off. Once an alarm from an associated Z-Wave device is triggered, the siren goes into alarm mode. The volume and type of siren is dependent on the configuration

Functions of the Action button:

- **Short click the Action button:** Cancel Alarm / Bring Siren into Learnmode
- **Press and hold the action button for 5-8 seconds:** Cancels the alarm and starts the alarm test (during 1...5 second: 'Network'-LED flashes quickly, after 5 seconds: Alarm will sound and all LEDs flash quickly for 3 seconds)
- **Press and hold the action button for 20 seconds.**
 - Sets the siren to factory state: Make sure the power is supplied to the siren. If you press the action button for 20 seconds, the 'Network'-LED lights up for 2 seconds to confirm factory default.
 - **Note:** Resetting to factory condition has the following consequences: (1) It removes the device from the Z-Wave network, it (2) clears all associations and (3) it resets all parameters and settings to the 'default' values

Associations

A 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 a common wireless command.

Association Groups:

1	Lifeline (max. nodes in group: 5)
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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 200 it 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.

Sirensound and Volume (Parameter Number 37, Parameter Size 2) The Value1(low byte) is used to select the Siren sound. The Value2(high byte) is used to adjust the volume. Other values will be ignored.

Value	Description
0	do not change the current sound.
1	Siren sound 1 is selected.
2	Siren sound 2 is selected.
3	Siren sound 3 is selected.
4	Siren sound 4 is selected.
5	Siren sound 5 is selected.

Send Notifications (Parameter Number 80, Parameter Size 1) Enable to send notifications to associated devices when the state of Siren changed.

Value	Description
0	nothing (Default)
1	hail CC
2	basis CC Report

Partner ID (Parameter Number 200, Parameter Size 1)

Value	Description
0	AEON Labs Standard Product (Default)

Enable/Disable "Lock" - Configuration (Parameter Number 252, Parameter Size 1)

Value	Description
0	disable (Default)
1	enable

Factoryreset (Parameter Number 255, Parameter Size 4) Reset to factory default setting and removed from z-wave network.

Value	Description
0	Resets the device to factory state

Technical Data

Explorer Frame Support	Yes
SDK	6.51.02
Device Type	Slave with routing capabilities
Generic Device Class	Binary Switch
Specific Device Class	Specific Device Class not used
Routing	Yes
FLIRS	No
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