

User manual

Plug-in switch 2000 W

Z-Wave-receiver. Control lighting and other electronic equipment up to 2000 W (resistive load).

The device is designed with very thin edges, making it possible to use two devices in most electrical outlets. The device acts as a repeater for the Z-Wave network.

Specification

Maximum load: 10A / 2000 W (resistive load)

Range: Up to 30 meters indoor

Operating temperature: 0 - 40°C

Frequency: 868.42 MHz (EU)

Terminology

Add The process of including a node into the Z-Wave network.

Remove The process of excluding a node from the Z-Wave network.

Installation

Insert the device into the electrical outlet where it's supposed to operate. Make sure that the product you are connecting does not draw more than 2000 Watts. Test that it's possible to control the device manually by pressing the button.

Add device

This device can be included and operated in any Z-Wave network with other Z-Wave certified devices from other manufacturers and/or other applications. All non-battery operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the network.

When the device is not added to any Z-Wave network, the LED will flash red slowly.

If the device already is added to a Z-Wave network, follow the remove device process before adding it to your network. Otherwise adding this device will fail.

Automatically add device to network

When the device is inserted into an electrical outlet it's in automatical add mode for four minutes (Network Wide Inclusion, NWI). This means that the device is added automatically when the Z-Wave controller enters add mode.

Manually add device to network

Start the add mode on the Z-Wave controller. Press the button on the device three times fast. The device will now be added into the Z-Wave network.

Remove device

Start the exclusion mode on the Z-Wave controller. Press the button on the device three times fast. The device will now be removed from the Z-Wave network.

Reset the device

Method 1

Remove the device from the Z-Wave network. This will reset the device to factory defaults.

Method 2:

Reset the device by:

1. Press and hold the button until the LED starts flashing white (approx. 6 seconds).
2. Press the button once more, short.

The device will now reset to factory defaults. The LED will now flash red, indicating that it's no longer added in any Z-Wave network. This procedure is called 'Device Reset Locally' and it should only be used when the primary controller is missing or inoperable.

Operating the device

The plug-in switch can be operated by the button on the product or wireless through the Z-Wave network. A click on the button toggles the switch on or off. Operation by the button can be disabled using 'Local protection', described later in this manual.

LED-indicator

Please note that the configuration parameter 3, 'LED Indicator' might have been set to 0 or a very low value, making the LED light up very weak or not at all.

Not in network	Flashing red
On	Steady green
Off	Steady purple
On (count down timer active)	Flashing green
Protected by sequence	Flashing yellow (when button is pressed)
No local operation possible	Flashing red (when button is pressed)
No RF control	Flashing red (when controlled from Z-Wave network)

Associations

Association group 1 - Lifeline - Plug status - Max 1 node

The plug will send its status to the node in this group whenever the status of the plug changes. Lifeline is normally used to send the plug status to the main controller / gateway.

Association group 2 - Control other devices - Max 10 nodes

The plug will send Basic Set control signals to the nodes in this group whenever the status of the plug changes. This will work like a master/slave solution.

Local protection

It's possible to change the behaviour of the button by changing local protection. It's only possible to use local protection if it's supported by the gateway/controller. Possible settings:

- Unprotected - toggle the state by pressing the button once.
- Protected by sequence - toggle the state by pressing the button three times.
- No local operation possible - not possible to control the device using the button.

RF protection

It's possible to disable the possibility to control the device from the Z-Wave network by changing RF protection. It's only possible to use RF protection if it's supported by the gateway/controller.

Possible settings:

- Unprotected - Possible to control the device from the Z-Wave network
- No RF control - All commands sent to the device is ignored
- No RF response at all - The device will not even reply to status requests.

Configurations

By changing configurations, you are able to change various settings in the device. This can be done from the Z-Wave gateway/controller, if supported.

These settings are available in this device:

Parameter no 1 - Countdown timer

Number of minutes before it auto-shuts down.

Default value: 0 (disabled)

Size: 1 byte

Possible values: 0-254

Unit: minutes

Parameter no 2 - Remember device status after power failure.

Define how the plug will react after the power supply is back on.

Default value: 1 (remember status)

Size: 1 byte

Possible values: 0: Always off, 1: Remember status, 2: Always on.

Parameter no 3 - LED indicator

Set the intensity of the LED indicator

Default value: 100

Size: 1 byte

Possible values: 0-100

Node Information Frame

The 'Node Information Frame' contains information about the device type and the technical capabilities. The inclusion and exclusion of the device is confirmed by sending out a Node Information Frame. Beside this it may be needed for certain network operations to send out a Node Information Frame.

Tripple click the button on the device to send a Node Information Frame.