



Popp

Popp Power Plug

SKU: POPE700793



Quickstart

This is a **On/Off Power Switch** for **Europe**. To run this device please connect it to your mains power supply. 1. Plug the device in a fixed mains outlet with grounding contacts (CEE 7/4)

2. Start "Inclusion Mode" on the chosen central units
3. Press the button on the wall plug 3 times within a period of around 2 seconds.

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

Controllable plug for wall outlets including energy and power meter. This device is VDE and CE certified.

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.

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

Press the button on the wall plug 3 times within a period of around 2 seconds.

Exclusion

Press the button on the wall plug 3 times within a period of around 2 seconds.

Auto-Inclusion

Beside the standard inclusion this device supports the so called **auto inclusion**. Right after powering up the device remains in inclusion state and can be included by (any) gateway without further actions on the device itself. The auto inclusion mode will time out after some time.

Quick trouble shooting

Here are a few hints for network installation if things don't 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. Don't poll FLIRS devices.
6. Make sure to have enough mains powered device to benefit from the meshing

Association - one device controls another 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, typically a 'Basic Set' Command.

Association Groups:

Group	Number	Maximum Nodes	Description
1	1		Control other plug or lights on/off

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.

Parameter 1: Condition after power failure

Size: 1 Byte, Default Value: 0

Setting Description

- | | |
|---|-------------|
| 0 | Always Off |
| 1 | Always On |
| 2 | Last status |

Technical Data

Dimensions	56 x 113 x 70 mm
Weight	130 gr
Hardware Platform	ZM4101
EAN	4251295700793
IP Class	IP 20
Voltage	230 V
Load	3200 W
Device Type	On/Off Power Switch
Generic Device Class	Binary Switch
Specific Device Class	Binary Power Switch
Z-Wave Version	6.01.03
Certification ID	ZC08-12120001
Z-Wave Product Id	0x0154.0x0003.0x1002

Supported Command Classes

- Application Status
- Association
- Basic
- Switch Binary
- Configuration
- Indicator
- Manufacturer Specific
- Meter

- No Operation
- Protection
- Switch All
- Version

Controlled Command Classes

- Application Status

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.

(c) 2018 Z-Wave Europe GmbH, Antonstr. 3, 09337 Hohenstein-Ernstthal, Germany, All rights reserved, www.zwave.eu. The template is maintained by [Z-Wave Europe GmbH](http://www.zwave.eu). The product content is maintained by [Z-Wave Europe GmbH](http://www.zwave.eu), Supportteam, support@zwave.eu. Last update of the product data: 2018-07-23 15:03:32