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Duewi Type F Plugin Dimmer DUW_064398 Manual

Contents

Duewi

Type F Plugin Dimmer

SKU: DUW_064398

Quickstart

This is a

Light Dimmer
for
Europe.

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

Plug this module into a wall outlet near the load to be controlled. Plug the load into the module and switch the load to the ON position. To turn ON the module and the load plugged into it, press and release the ON/OFF button of the module.

Inclusion and Exclusion are confirmed by a tripple click of the button of the device.

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

The Duwi 064398 is a dimmer plug that can be placed between a type F wall outlet and electric devices, plugged in by cord. It can dim resistive loads up to 400 W. The device is IP 20 rated and can therefore only be used in dry environments. For dimming the devices apply leading edge phase cutting with a special alignment algorithm for inductive loads. It is therefore possible to dim incandescent lamps, high voltage halogen lights and low voltage halogen lights with traditional transformer. Low voltage halogen lights with switching power supply, LEDs and CFLs must not be attached. Dimming is controlled wirelessly using Z-Wave or locally applying a button. A three color LED indicates the dimming status.

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.

Installation

The Dimmer Plug DUW_064398 can be plugged into every Standard type F wall outlet. It is IP20 rated and can therefore only be used in dry environments. Do not locate the module facing direct sunlight, humid or dusty place. The suitable ambient temperature for the module is 0°C ~ 40°C.

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
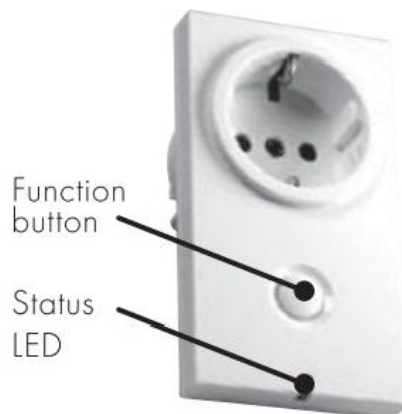then performed doing a special manual action right on the device.

Inclusion

Inclusion and Exclusion are confirmed by a tripple click of the button of the device.

Exclusion

Inclusion and Exclusion are confirmed by a tripple click of the button of the device.

Product Usage

The device is able to dim all loads up to 400 W. Any load above 400 W is considered as overloading. Switching is
controlled wirelessly using Z-Wave or directly over the ?ON/OFF? button of the Plugin Switch. Unplugging and
replugging the module will reset the module to normal state.

A red LED indicates the dimmimging status.

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

Technical Data

Dimensions	0.0580000×0.1050000×0.0070000 mm
Weight	160 gr
EAN	4008297064398
Device Type	Light Dimmer Switch
Generic Device Class	Multilevel Switch
Specific Device Class	Routing Multilevel Switch
Firmware Version	01.00
Z-Wave Version	02.24
Certification ID	ZC08-08090009
Z-Wave Product Id	0064.1001.0000
Frequency	Europe – 868,4 Mhz
Maximum transmission power	5 mW

Supported Command Classes

- Basic
- Hail
- Switch Binary
- Version
- Switch All
- Indicator
- Manufacturer Specific
- Protection

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.