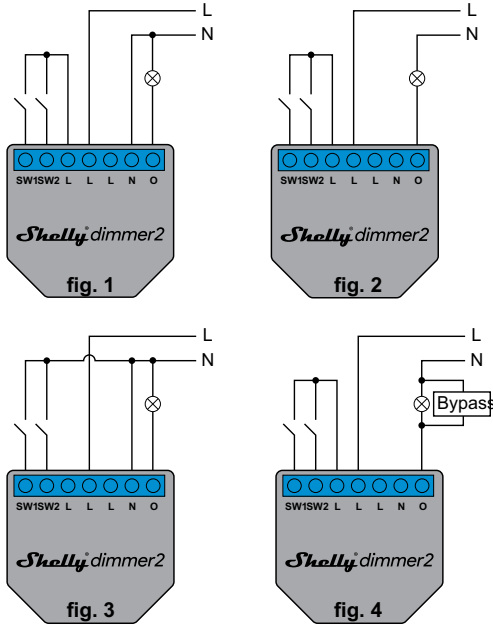


Shelly dimmer2 SMART DIMMING



Legend

- SW1 - Switch input 1 for on/off/dimming
- SW2 - Switch input 2 for on/off/dimming
- O - Output
- L - Line input (110-240V)
- N - Neutral input (Zero)

⚠ CAUTION! When using the device without neutral, Shelly Dimmer 2 requires at least 10W of power consumption, in order to operate. If the connected light has a smaller power consumption, then Shelly Bypass is required for the operation of the Device.

The Shelly smart WiFi dimmer by Allterco Robotics is intended to be installed directly to your lights in order to control and dim the light. It is intended to be mounted into a standard in-wall console, behind the light switches or other places with limited space. Shelly may work as a standalone device or as an accessory to a home automation controller.

⚠ CAUTION! Shelly dimmer cannot be connected and operate a fan. Doing so may cause damage to the unit or fan, including causing a fire!

⚠ CAUTION! For multiple bulbs connected to one Dimmer 2, all bulbs need to be equal in power load and technology!

Specification

- Power supply - 110-240V ±10% 50/60Hz AC
- Operational current - 0.1 - 1.1A
- Device temperature protection - 105°C
- Complies with EU standards - RE Directive 2014/53/EU, LVD 2014/35/EU, EMC 2004/108/WE, RoHS2 2011/65/UE
- Working temperature - from 0°C to 35°C
- Radio signal power - 1mW
- Radio protocol - WiFi 802.11 b/g/n
- Frequency - 2400 – 2483.5 MHz
- Operational range (depending on local construction) - up to 50 m outdoors, up to 30 m indoors
- Dimensions (HxWxL) - 42 x 36 x 14 mm
- Electrical consumption - < 1,5 W
- Supported light types - Incandescent and halogen light sources 1-220W, Dimmable LED 50-200VA/1W – 200W, Resistive-inductive loads ferromagnetic transformers 50-150VA

Technical Information

- Control through WiFi from a mobile phone, PC, automation system or any other Device supporting HTTP and/or UDP protocol.
- Microprocessor management.
- Shelly may be controlled by an external button/switch.
- ⚠ CAUTION!** Danger of electrocution. Mounting the Device to the power grid has to be performed with caution.
- ⚠ CAUTION!** Do not allow children to play with the button/switch connected to the Device. Keep the Devices for remote control of Shelly (mobile phones, tablets, PCs) away from children.

Introduction to Shelly

Shelly® is a family of innovative Devices, which allow remote control of electric appliances through mobile phone, PC or home automation system. Shelly® uses WiFi to connect to the devices controlling it. They can be in the same WiFi network or they can use remote access (through the Internet). Shelly® may work stand alone, without being managed by a home automation controller, in the local WiFi network, as well as through a cloud service, from everywhere the User has Internet access.

Shelly® has an integrated web server, through which the User may adjust, control and monitor the Device. Shelly® has two WiFi modes - access Point (AP) and Client mode (CM). To operate in Client Mode, a WiFi router must be located within the range of the Device. Shelly® devices can communicate directly with other WiFi devices through HTTP protocol.

An API can be provided by the Manufacturer. Shelly® devices may be available for monitor and control even if the User is outside the range of the local WiFi network, as long as the WiFi router is connected to the Internet. The cloud function could be used, which is activated through the web server of the Device or through the settings in the Shelly Cloud mobile application.

The User can register and access Shelly Cloud, using either Android or iOS mobile applications, or any internet browser and the web site: <https://my.Shelly.cloud/>.

Installation Instructions

⚠ CAUTION! Danger of electrocution. The mounting/installation of the Device should be done by a qualified person (electrician).

⚠ CAUTION! Do not connect the Device to appliances exceeding the given max load!

⚠ CAUTION! Connect the Device only in the way shown in these instructions. Any other method could cause damage and/or injury.

⚠ CAUTION! Before beginning the installation please read the accompanying documentation carefully and completely. Failure to follow recommended procedures could lead to malfunction, danger to your life or violation of the law. Allterco Robotics is not responsible for any loss or damage in case of incorrect installation or operation of this Device.

⚠ CAUTION! Use the Device only with power grid and appliances which comply with all applicable regulations. Short Circuit in the power grid or any appliance connected to the Device may damage the Device.

⚠ RECOMMENDATION! The Device may be connected to and may control electric circuits and appliances only if they comply with the respective standards and safety norms.

⚠ RECOMMENDATION! The Device may be connected to and may control electric circuits and light sockets only if they comply with the respective standards and safety norms.

⚠ CAUTION! If the Device is not connected to the supported light types, the dimming functionality may not be present. However, you will still be able to turn on and off your lights.

Declaration of conformity

Hereby, Allterco Robotics EOOD declares that the radio equipment type Shelly Dimmer 2 is in compliance with Directive 2014/53/EU, 2014/35/EU, 2004/108/WE, 2011/65/UE. The full text of the EU declaration of conformity is available at the following internet address:

<https://shelly.cloud/declaration-of-conformity/>

Manufacturer: Allterco Robotics EOOD

Address: Sofia, 1407, 103 Cherni vrah Blvd.

Tel.: +359 2 988 7435

E-mail: support@shelly.cloud

Web: <http://www.shelly.cloud>

Changes in the contact data are published by the Manufacturer at the official website of the Device <http://www.shelly.cloud>

The User is obliged to stay informed for any amendments of these warranty terms before exercising his/her rights against the Manufacturer.

All rights to trademarks She® and Shelly®, and other intellectual rights associated with this Device belong to Allterco Robotics EOOD.