

GB INSTRUCTION MANUAL DIMMER [UNIVERSAL DIMMER FOR DIN-RAIL]

Technical Features

Supply voltage	230 V, 50Hz
Power consumption	3 VA
LED 1*:	Dimmable 230V~ LED lamps (leading edge dimming)
LED 2*:	Dimmable 230V~ LED lamps (trailing edge dimming).
LED 2*:	Dimmable 12V~ LED lamps (trailing edge dimming) with electronic transformer, type C
RLC*:	Incandescence, 230V Halogens & LV Halogens with Electronic transformer
RLC*:	Halogens with Ferromagnetic transformer
CFL*:	Dimmable Compact Fluorescent Lamps
Max. number of pushbuttons	3 lighted pushbuttons & unlimited non-lighted pushbuttons
Dimensions	17,5 x 90 x 60mm (1 module)
Weight	68 g
Permitted ambient temperature	0° ... +40°C
Type of protection	IP20 DIN EN 60529

Description / Installation / Operation

- Description**
- Universal dimmer for DIN-rail. Protected against overload and short circuit. Built-in heat protection. Controlled by pushbutton.
 - 1 x Rotary switch to select the connected load:
 - LED 1: Dimmable 230V~ LED lamps (leading edge dimming)
 - LED 2: Dimmable 230V~ LED lamps (trailing edge dimming).
 - LED 2: Dimmable 12V~ LED lamps (trailing edge dimming) with electronic transformer, type C
 - RLC: For R, L and C loads. Automatic detection of the load type. Load examples:
 - Incandescence, 230V Halogens & LV Halogens with Electronic transformer and Halogens with Ferromagnetic transformer.
 - CFL: Dimmable Compact Fluorescent Lamps.
 - 1 x Rotary switch to select the minimum light level

Installation

CAUTION! You must select with the "Load rotary switch" the correct type of connected load in order to avoid damages of the dimmer or the lamps!

- 1 Disconnect installation from power supply and check that power supply is disconnected.
- 2 Select with the Load rotary switch the type of lamp / load you will connect.
- 3 Install the dimmer according to the wiring diagram.
- 4 Make sure the loads are connected properly and reconnect power supply.
- 5 Press shortly the pushbutton to switch the lamps on and dim with a long press to the minimum light level. If the lamps are not switched on correct (e.g. light flickering) you have to disconnect the installation from power supply. Select with the "light level rotary switch" the appropriate and correct minimum light level.

Operation

- With a long press you can dim!
 - Press shortly the pushbutton to switch the lamps on and off!
- Memory function**
- To enable or disable the memory function press with an electrically insulated, prick object into the memory hole. Is the memory function activated the LED is permanently illuminated.
- => Activated memory function: Lamp(s) switches on with the brightness / light level of the last switch off.
=> Deactivated memory function: Lamp(s) switches on with max. brightness / light level.

Safety instructions

CAUTION! DANGER OF LIFE / RISK OF FIRE AND ELECTRIC SHOCK!

- ▶ Installation and assembly of electrical equipment must be carried out only by professional electrician!
- ▶ Connect the supply voltage/frequency as stated on the product!
- ▶ Disconnect device from power supply for wiring and installation purposes!
- ▶ Check power supply is disconnected!
- ▶ Defective devices have to be put out of service immediately!

ⓘ Warranty void if housing opened by unauthorised person!

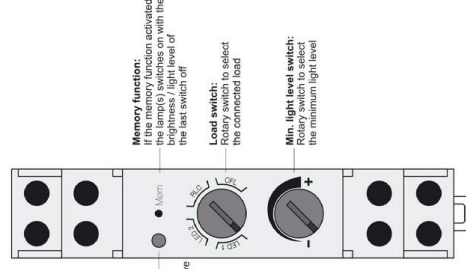
ⓘ The electronic circuit is protected against a wide range of external influences. Incorrect operating may occur if external influences exceed certain limits!

ⓘ Installation and assembly of electrical equipment must be in accordance with local building and electrical codes!

Important Note

*Check the technical specification of the lamps! For all transformers and lamps, please take into account the specifications of the manufacturer!

Function overview



Master-slave-function

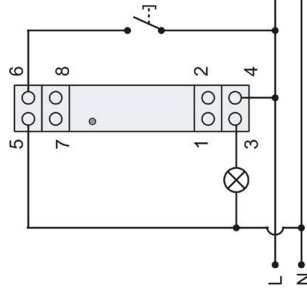
By master-slave-function (please see master-slave installation) several dimmers can be controlled by one pushbutton (higher loads). The pushbutton have to connected to the master-device.

Being installed as slave the LED will flash. The pushbutton input (terminal 6) and the memory function of the slave are deactivated.

To get the dimmer out of slave mode it is necessary to disconnect and reconnect the (slave)dimmer.

Wiring diagram

Standard-installation



Master-slave-installation

