

# GB INSTRUCTION MANUAL DIMMER [LED]

Technical Features	
Supply voltage	230 V, 50Hz
Power consumption	2 VA
Suitable type of lamps	Dimmable LED lamps
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
Max. number of pushbuttons	3 lighted pushbuttons & unlimited non-lighted pushbuttons
Dimensions	45 x 45 x 12 mm
Weight	23 g
Permitted ambient temperature	0° ... +40°C
Storage temperature	-30° ... +70°C
Type of protection	IP20 according to DIN EN 60529
Conformity with Standard	DIN EN 60669-2-1

\*Check the technical specification of the lamps.

### 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

- For all transformers and lamps, please take into account the specifications of the manufacturer!

### Description / Installation / Operation

#### Description

- Small size dimmer, for flush-mounting (e.g. behind standard pushbutton)
- Protected against overload and short circuit. Built-in heat protection.
- Controlled by pushbutton.
- With or without memory.
- One rotary switch to select the minimum light level and to select the connected lamp load (LED1 or LED2).
- LED 1: Dimmable 230V~ LED lamps\* (leading edge dimming)
- LED 2: Dimmable 230V~ LED lamps\* (trailing edge dimming).
- Dimmable 12V~ LED lamps\* (trailing edge dimming) with Electronic transformer, type C

☐ For all transformers and lamps, please take into account the specifications of the manufacturer!

#### Installation

**⚠ CAUTION! You must select with the rotary switch (LED1 or LED2) the correct type of connected load in order to avoid damages of the dimmer or the lamps!**

**☐ PLEASE NOTE! To avoid undesirable effects when the lamps are dimmed to lowest level (e.g. light flickering) you have to select with the rotary switch the minimum light level!**

- 1 Disconnect installation from power supply and check that power supply is disconnected.
- 2 Select with the rotary switch the type of lamp / load you will connect (LED1 or LED2).
- 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 lighting level.

If the lamps are not switched on correct (e.g. light flickering) please select with the rotary switch the appropriate and correct minimum light level.

#### Operation

- Press shortly the pushbutton to switch the lamps on and off!
- => Switch on „No Mem“ = Lamp(s) switches on with max. brightness.
- => Switch on „Mem“ = Lamp(s) switches on with the brightness of the last switch off
- With a long press you can dim!

### Wiring diagram

**Quick and easy! One rotary switch to set the lamp load and the minimum light level**

<b>Setting the lamp load</b> <i>Check the technical specification of the lamps.</i>	
<b>Setting the minimum light level / dimming value</b>	

### Wiring example

**Example:**

**Previous installation**

**Two way switches**

**New installation**

**Pushbutton**