

**GB INSTRUCTION MANUAL DIMMER [RLC]**

Technical Features		
Supply voltage	230 V, 50Hz	
Power consumption	3 VA	
Suitable type of lamps	Incandescence and halogen lamps	
LOAD	Incandescence, 230V Halogens & LV Halogens with Electronic transformer	15 – 400 W
	Halogens with Ferromagnetic transformer	20 – 250 W
Max. number of pushbuttons	3 lighted pushbuttons & unlimited non-lighted pushbuttons	
Dimensions	45 x 45 x 12 mm	
Weight	40 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	

**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**

- When calculating the max. loads please take into account power dissipation of transformers:  
For conventional transformers ~ 20% power dissipation / For electronic transformers ~ 2% power dissipation
- 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)
- For leading or trailing edge dimming.
- Automatic detection of the load type.
- Protected against overload and short circuit. Built-in heat protection.
- Controlled by pushbutton.
- With or without memory.
- Suitable for R, L & C loads:
  - Incandescent & 230V halogen lamps (R)
  - LV Halogen lamps with Ferromagnetic transformer (L)
  - LV Halogen lamps with Electronic transformer (LC)
- ☐ For all transformers and lamps, please take into account the specifications of the manufacturer!

**Installation****⚠ CAUTION! Do not connect different types of lamps / loads to the same dimmer!**

- 1 Disconnect installation from power supply and check that power supply is disconnected.
- 2 Install the dimmer according to the wiring diagram.
- 3 Make sure the loads are connected properly and reconnect power supply. The lamps flicker. (This indicates that the dimmer has done the automatic load type detection)
- 4 The dimmer is ready for use.

**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**