



EAN code  
DIM-15/230 V: 8595188140690  
SMR-M: 8595188143776

DIM-15		SMR-M
Technical parameters		
Supply terminals:	A1 - A2	x
Voltage range:	x	4-wire, with neutral
Operating range:	AC 230 V (50 Hz)	
Burden (unloaded):	max. 2 VA/0.55 W	max. 0.66 VA/0.55 W
Max. dissipated power:	2 W	3 W
Supply voltage tolerance:	-15 %; +10 %	
Supply indication:	green LED	
Control		
Control terminals:	A1 - T	x
Control wire:	x	L - S
Control voltage:	AC 230 V	
Control input power:	AC 0.3 - 0.6 VA	
Control impulse lenght:	min. 80 ms/max. unlimited	
Glow tubes connection:	Yes	
Max. amount of glow lamps connected to controlling input:	max. 15 pcs (measured with glow lamp 0.68 mA/ 230 V AC)	max. 10 pcs (measured with glow lamp 0.68 mA/ 230 V AC)
Output		
Contactless:	2 x MOSFET	
Load:	300 W (at cos φ =1)*	160 W (at cos φ =1)*
Output status indication:	red LED	x
Other information		
Operating temperature:	-20 °C to +35 °C (-4 °F to 95 °F)	
Storing temperature:	-20 °C to +60 °C (-4 °F to 140 °F)	
Operating position:	any	
Mounting:	DIN rail EN 60715	free at connecting wires
Protection degree:	IP40 from front panel/ IP10 clips	IP30 in standard conditions**
Overvoltage category:	III.	
Pollution level:	2	
Terminal wire capacity (mm²):	max. 2x2.5, max. 1x 4 with sleeve max. 1x2.5, max. 2x1.5 (AWG 12)	x
Connection wires (cross-section/length):	x	CY, 0.75 mm² (AWG 18)/ 90 mm (3.5")
Dimensions:	90 x 17.6 x 64 mm (3.5" x 0.69" x 2.5")	49 x 49 x 21 mm (1.9" x 1.9" x 0.83")
Weight:	58 g (2 oz.)	33 g (1.2 oz.)
Standards:	EN 60669-1, EN 60669-2-1	

\* Due to a large number of light source types, the maximum load depends on the internal construction of dimmable light sources and their power factor  $\cos \varphi$ . The power factor of dimmable LEDs and ESL bulbs ranges from  $\cos \varphi = 0.95$  to 0.4. An approximate value of maximum load may be obtained by multiplying the load capacity of the dimmer by the power factor of the connected light source.

\*\* For more information see page 75.

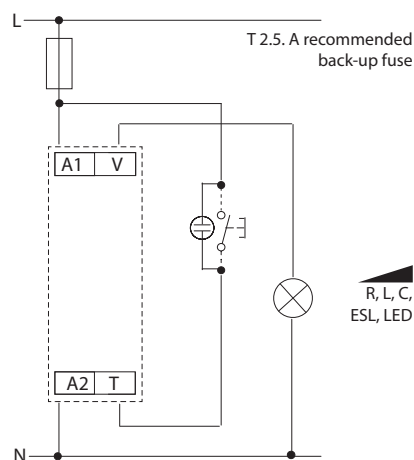
Warning: it is not allowed to connect inductive and capacitive loads at the same time.

- Designed for dimming of incandescent bulbs and halogen lights with wound or electronic transformer, dimmable light bulbs and dimmable LED<sup>2</sup>.
- Enables gradual setting of luminance by push-button (non-detent) or parallel buttons.
- Returns to last state upon re-energization.
- Type of light source is set by switch-over on the front panel of device.
- Min. luminance, set by potentiometer on the front panel, eliminates flashing of light sources.

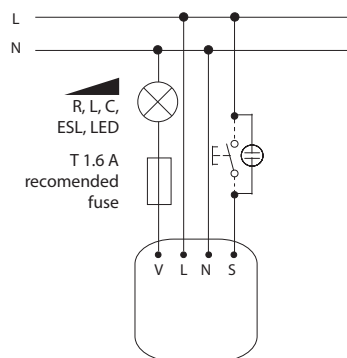
LED<sup>2</sup>: more informations on page 75

## Connection

DIM-15

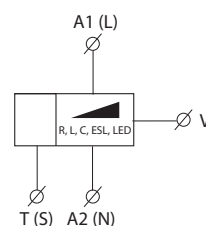


SMR-M

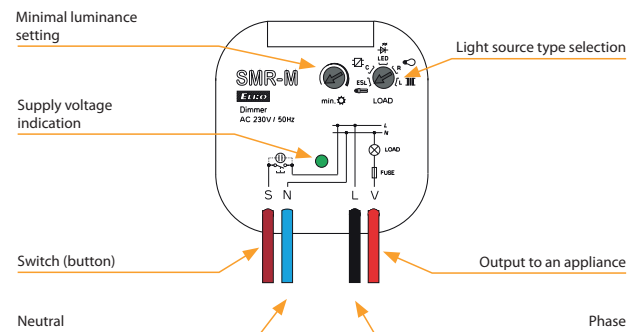
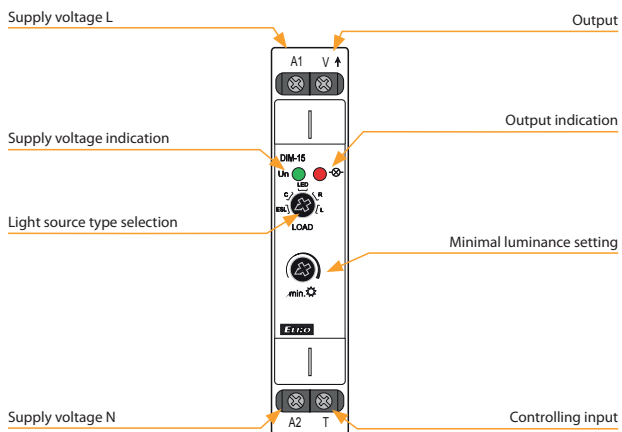


## Symbol

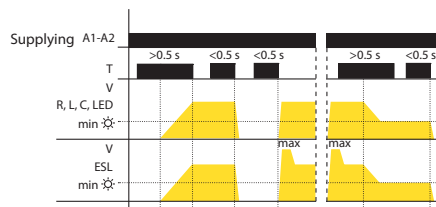
DIM-15  
(SMR-M)



## Device description



## Functions and controlling



- short button press (<0.5 s) turns the light off or on
- long press (>0.5 s) enables slight regulation of light intensity
- setting of minimal luminance is possible only during decreasing of luminance by long button press
- setting of minimal luminance by saving fluorescent lamps serves for harmonizing of lowest light intensity prior its unprompted switching off

### Luminance setting:

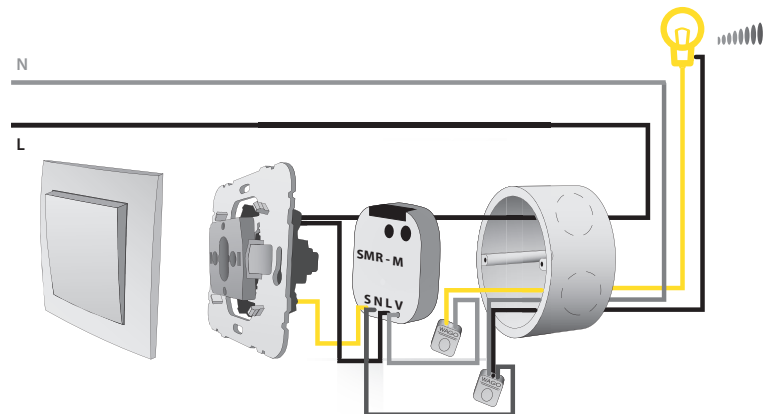
LED, R, L, C:

- if the light is turned off, short press (<0.5 s) switches the light onto last set luminance level

ESL:

- when light is off, short impulse turns lamp on and then luminance is decreased to set level

## Connection example



## Additional information

- it is not possible to dim energy-saving lamps without marking: dimmable
- an incorrect setting of light source has effect only on dimming range, it means neither dimmer or load get damaged
- max. number of dimmable light sources depends on their internal structure
- it is not recommended to connect light sources with different types and brands, to one dimmer