

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

Technical parameters	DIM-15	SMR-M
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	
<b>Control</b>		
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 length:	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)
<b>Output</b>		
Contactless:	2 x MOSFET	
Load:	300 W (at $\cos \varphi = 1$ )*	160 W (at $\cos \varphi = 1$ )*
Output status indication:	red LED	x
<b>Other information</b>		
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	IP 30 in standard conditions**
Overvoltage category:	III.	
Pollution level:	2	
Terminal wire capacity (mm <sup>2</sup> ):	max. 2x2.5, max. 1x4 with sleeve max. 1x2.5, max. 2x1.5 (AWG 12)	x
Connection wires (cross-section / length):	x	CY, 0.75 mm <sup>2</sup> (AWG 18) / 90 mm (3.5")
Dimensions:	90 x 17.6 x 64 mm	49 x 49 x 21 mm
Weight:	58 g (2 oz.)	33 g (1.2 oz.)
Standards:	EN 60669-2-1, EN 61010-1	

\* 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 41.

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.

#### DIM-15

- Output status is indicated by red LED:
  - shines when output is active.
  - flashes while heating overload, at the same time output is disconnected.
- 1-MODULE version, DIN rail mounting, saddle terminals.

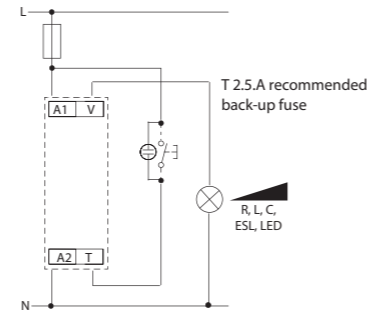
#### SMR-M

- Button-controlled dimmer intended to be installed in an installation box into the existing electrical wiring.
- Protection against excessive temperature inside the device - switches off the output.

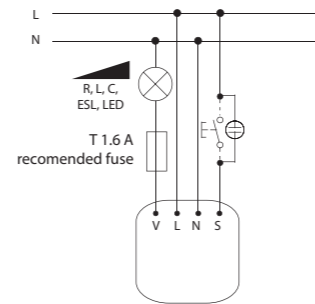
<sup>2</sup> For more information, see page 41

#### Connection

##### DIM-15

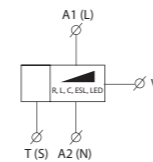


##### SMR-M

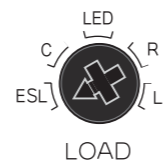


#### Symbol

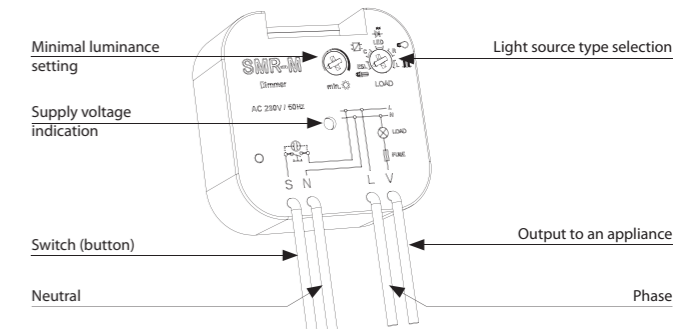
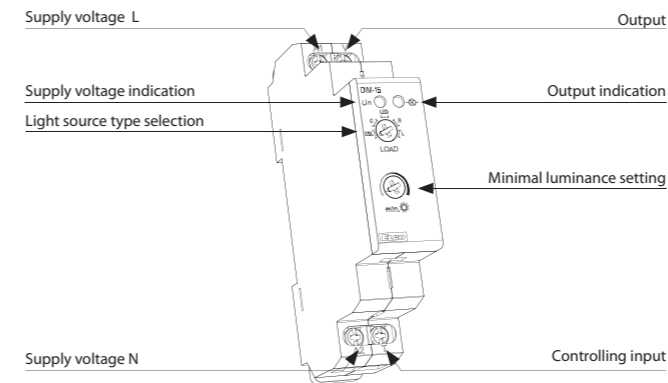
DIM-15 (SMR-M)



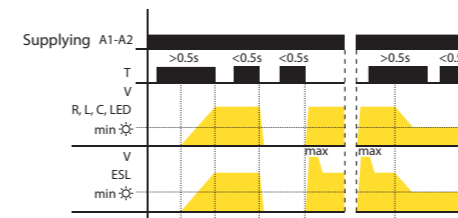
#### Light source type setting



#### Device description



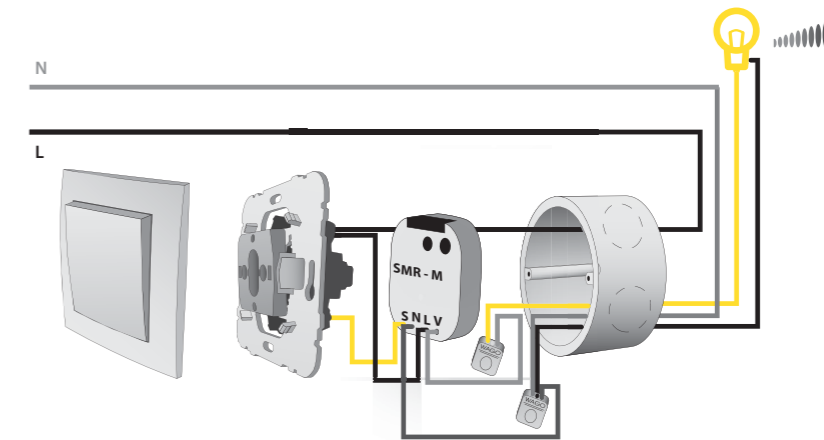
#### Functions and controlling



- short button press (<0.5s) turns the light off or on
- long press (>0.5s) 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 (<0.5s) 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

• list of dimmable sources on page 161