



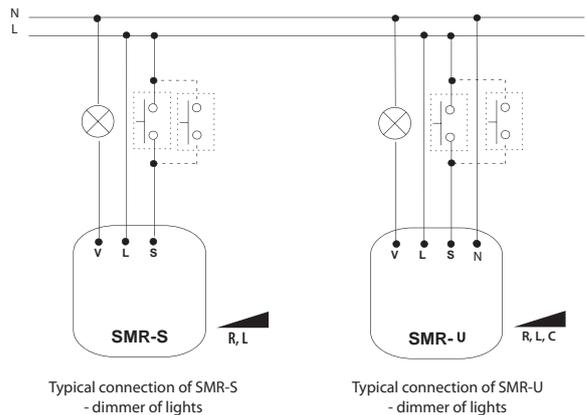
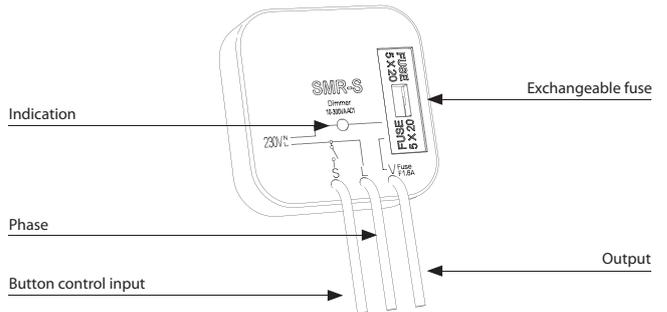
EAN code  
 SMR-S /230 V: 8595188123518  
 SMR-U /230 V: 8595188130738

Technical parameters	SMR-S	SMR-U
Connection:	3-wire con., without neutral	4-wire con., with neutral
Voltage range:	230 V AC / 50 Hz	
Power input (no operation/ make):	max. 3 VA	
Supply voltage tolerance:	-15 %; +10 %	
<b>Output</b>		
Resistive load:	10 - 300 VA	500 VA*
Inductive load:	10 - 150 VA	500 VA*
Capacitive load:	x	500 VA*
<b>Control</b>		
Control voltage:	AC 230 V	
Current:	max. 3 mA	
Impulse length:	min. 50 ms / max. unlimited	
Glow tubes connection:	Yes	
Max. amount of glow lamps connected to controlling input:	230 V - max. amount 10 pcs (measured with glow lamp 0.68 mA / 230 V AC)	
<b>Other information</b>		
Operating temperature:	0 °C to +50 °C (32 °F to 122 °F)	
Operating position:	any	
Mounting:	free at connecting wires	
Protection degree:	IP 30 in standard conditions**	
Overvoltage category:	III.	
Pollution degree:	2	
Fuse:	F 1.6 A / 250 V	x
Connection wires:	solid wires 0.75 mm <sup>2</sup> (AWG 18) / 90 mm (3.5")	
Glow lamps in a button:	max. number 10	
Dimensions:	49 x 49 x 13 mm (1.9" x 1.9" x 0.5")	
Weight:	32 g (1.1 oz.)	32 g (1.1 oz.)
Standards:	EN 61010-1, EN 60669-2-1	

Note:  
 \* - with load over 300 VA is necessary to ensure sufficient cooling.  
 \*\* - for more information see page 38

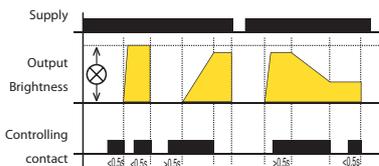
- Button-controlled dimmers designated for flush mounting into a wiring box, into an existing electro-installation (SMR-S doesn't need neutral for correct function).
- Used to control lamp brightness, dimming, possible to control from more places (parallel connections).
- Protection against temperature overrun inside the device – output off.
- By changing wall-switch for a switch with SMR-S/SMR-U installed below you can reach effective brightness control.
- SMR-S enables dimming of electric bulbs 12 V, halogen lights with wound transformers (inductive load).
- SMR-U enables also dimming 12 V halogen lights with electronic transformers (capacitive load).
- it can not be used for dimming of fluorescent lamps and energy saving lamps.
- **SMR-S:**
  - 3-wire connection, functional without neutral
  - max. load: 300 VA (el. bulbs or halogen lights with wound transformer)
  - contactless output -1x triac
  - with exchangeable fuse.
- **SMR-U:**
  - 4-wire connection
  - max. load: 500 VA (el. bulbs or halogen lights with electronic or wound transformer)
  - contactless output - 2x MOSFET
  - electronic over-heating protection - output off in case of short-circuit or overload.

**Description of SMR-S**



Warning: it cannot be used for fluorescent lights and energy saving lights!  
 SMR-U: It is not allowed to connect together loads of inductive and capacitive type in the same time.

**Function**



Short press (<0.5s) turns a light on, another short press turns it off. A longer press (>0.5s) causes a gradual regulation of light intensity min-max-min round until the button is released. After releasing a set intensity is kept in memory, further short presses turn the light on/off keeping the set intensity. The intensity can be changed by further long press. After de-energising the relay remembers the set value.