

## Dimmer flush mounting SMR-S, SMR-U

### Advantages

- Button-controlled dimmers designated for flush mounting into a wiring box, into an existing installation (SMR-S doesn't need neutral to function)
- Controlling lamp brightness
- Dimming, control from more places (parallel button connected), possible protection against temperature overrun inside the device – output off.
- By changing wall-switch for a switch with SMR-S/SMR-U installed below effective brightness control can be reached. SMR-S enables dimming of electrical bulbs and wound transformers 12V, halogen lights (inductive load), SMR-U also enables dimming of electronic transformers 12V, halogen lights (capacitive load). It cannot be used for dimming fluorescent lights or energy saving lights.

### SMR-S

- 3-wire connection, functional without neutral
- Max. load: 300 VA (resistive loads)
- Contactless output - 1 x triac
- With exchangeable fuse

### SMR-U

- 4-wire connection
- Max. load: 500 VA
- Contactless output - 2x MOSFET
- Electronic overload and overtemperature protection – output off in case of short-circuit or overvoltage

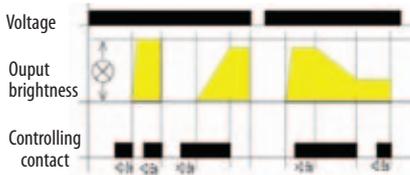
Technical data		
	SMR-S	SMR-U
Connection	4-wire without neutral	4-wire with neutral
Supply voltage	AC 230 V / 50-60 Hz	
Consumption (no operation/make)	max. 3VA	
Supply voltage tolerance	- 15%; + 10%	
<b>Output</b>		
Resistive load	10-300 VA	500 VA*
Capacitive load	10 -150VA	500 VA*
Inductive load	x	500 VA*
<b>Controlling</b>		
Control Voltage	AC 230 V	
Current	3 mA	
Impulse length	min. 50 ms/ max. unlimited	
Operating temperature	0...+50 °C	
Operating position	any	
Mounting	free of connecting wires	
Protection degree	IP30 from front panel	
Overvoltage category	III	
Pollution degree	2	
Fuse	F 1.6A/ 250V	x
Output	solid 0,75 mm <sup>2</sup> , length 90 mm	
Glow-lamps in control button	max. 10 pcs.	
Dimensions	49x49x13 mm	
Standards	EN 60669-2-1, EN 61010-1	

\*When load is above 300 VA it is necessary to ensure sufficient cooling; see instruction manual technical data

**Warning:** it cannot be used for fluorescent lights and energy saving lights!

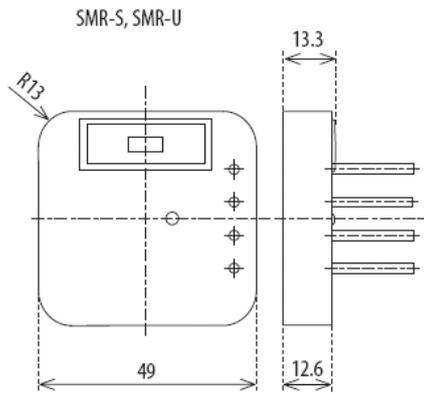
SMR-U: It is not allowed to connect together loads of inductive and capacitive type at the same time

**Functions**

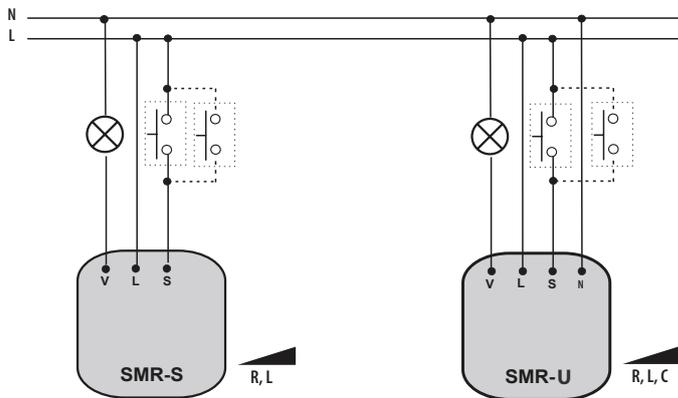


KA short press (<math><0.5s</math>) turns a light on, another short press turns it off. A longer press (>0.5s) causes a gradual regulation of light intensity min-max-min round until the button is released. After releasing a set intensity is kept in memory, further short presses turn the light on/off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

**Dimensions**



**Connection SMR-S, SMR-U**



Typical connection of SMR-S - dimmer of lights

Typical connection of SMR-U - dimmer of lights

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 at the same time

**Description SMR-S**

