

## Multifunction relays SMR-T, SMR-H, SMR-B

### Advantages

- Multifunction relay designated for installation into a wiring box, under wall-switch into an existing installation (SMR-T doesn't need neutral to function)
- Fast solution for exchanging standard wall-switch for a switch controlled by time or for a memory relay controlled by a button

### SMR-T

- 3-wire connection, works without neutral wire
- Output: 10-160 VA (resistive load)
- It cannot be used for fluorescent lights and energy saving lights (loads of capacitive type)

### SMR-H

- 4-wire connection
- Output 0-200 VA
- It cannot be used for fluorescent lights and energy saving lights (loads of capacitive type)

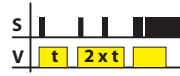
### SMR-B

- 4-wire connection
- 10 functions
- Output contact 1x16A / 4000 VA, 250V AC1
- Enables switching of fluorescent lights and also energy saving lights (see instruction manual technical data)
- Independent galvanically separated input AC/DC 5-250 V (for example for control from a security system)

Technical data			
	SMR-T	SMR-H	SMR-B
Number of functions	9	9	10
Connection	3-wires, without neutral	4-wires, with neutral	4-wires, with neutral
Supply voltage	AC 230 V / 50-60 Hz		
Consumption (no operation/make)	0,8/3 VA	0,8/3 VA	3 VA
Supply voltage tolerance	- 15%; + 10%		
Time ranges	0,1 s-10 days	0,1 s-10 days	x
Time setting via	via rotary switch and potentiometer	via rotary switch and potentiometer	x
Time deviation	10% mechanical setting	10% mechanical setting	x
Repeat accuracy	2% set value stability	2% set value stability	x
Temperature coefficient	0,1%, °C at 20 °C	0,1%, °C at 20 °C	x
Output	1x triac		
Resistive load	10-160 VA	0-200 VA	10-300 VA
Inductive load	10-100 VA	0-100 VA	10-150 VA
Controlling			
Voltage	AC 230 V		
Current	3 mA		
Impulse length	min. 50 ms/ max. unlimited		
Operating temperature	0...+50 °C		
Operating position	any		
Mounting	free at connecting wires		
Protection degree	IP 30 from front panel		
Overvoltage category	III		
Pollution degree	2		
Fuse	F1 A / 250 V	F1 A / 250 V	F1,6 A / 250 V
Outlets	3 x solid wires 0,75 mm <sup>2</sup> length 90 mm		
Glow-laps in button	max. 10 pcs.		
Dimensions	48,5 x 48,5 x 13 mm		
Standards	EN 61010-1		

**Function**

**Function a - delay off on entering edge**  
output times when it is switched. Each following pressing (max. 5x) increases time  
Long pressing switches output off



**Function b - delay off on downward edge**  
output times after button is switched off, switches immediately



**Function c - delay off on downward edge**  
after switching off output switches on and times.



**Function d - cycler - flasher impulser**  
output cycles in regular interval, cycler starts with an impulse



**Function e - puls shift**  
delay on after the switch is switched on and delay on after it is switched off



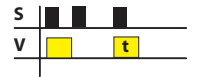
**Function f - delay on**  
delay on after switch is switched on until it is switched off



**Function g - pulse relay**  
switches on by a press, another pressing switches the output off. The length of pressing doesn't matter, it is possible to set reaction delay by a potentiometer and thus eliminate rebound of a button



**Function h - impulse relay with delay**  
one press switches on, another one switches the output off in case it is done before the end of timing



**Function i - delay on after switched off**  
output cycles in regular intervals, cycler starts with a gap

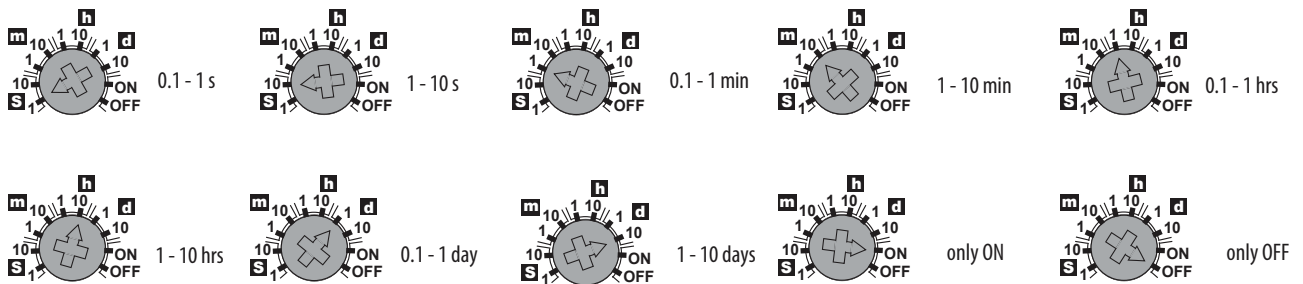


**Function j \*- cycler starting with gap**  
delay on after switching on until it is de-energized or a switch is pressed again.

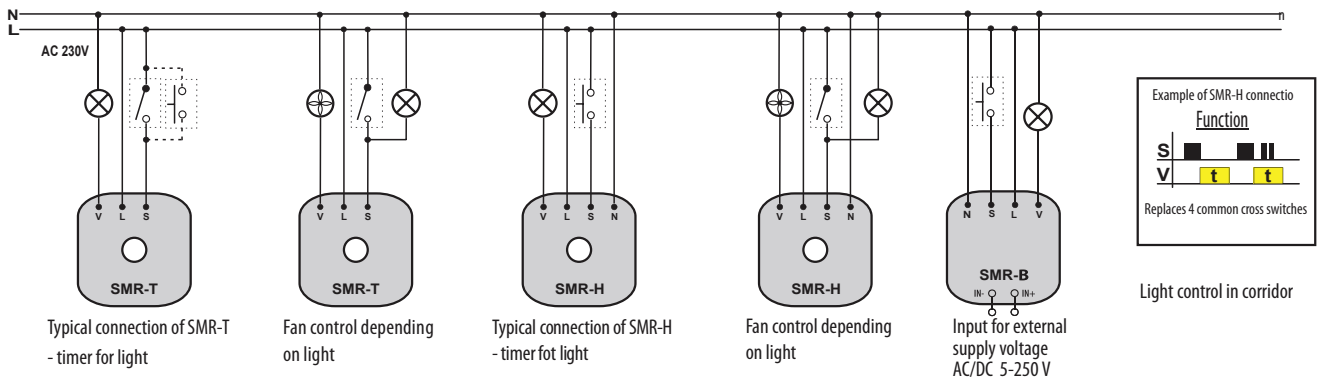


\*function j is valid only for SMR-B

**Time ranges**

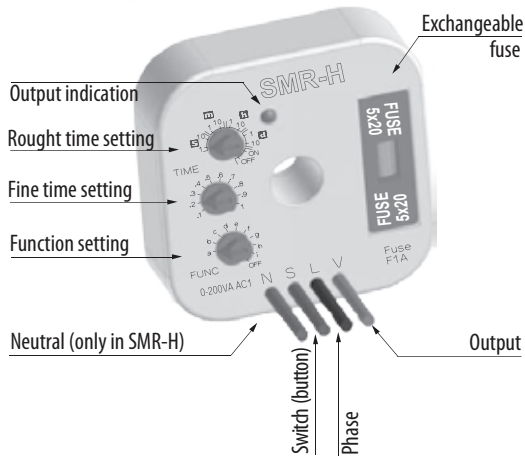


**Connection SMR-B, SMR-H, SMR-T**

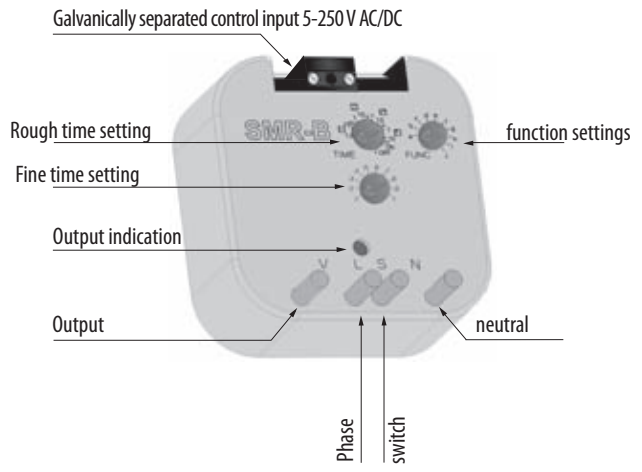


**Description**

**SMR-T, H**



**SMR-B**



**Dimension**

