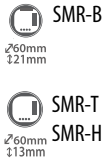


Super-multifunction relay SMR-T, SMR-H, SMR-B

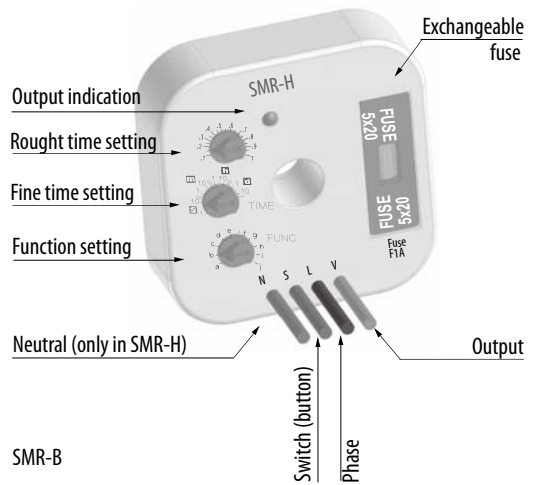


- multifunction relay designated for installation into a wiring box, under wall-switch into an existing electrical installation (SMR-T doesn't need neutral to its function)
- advantageous and fast solution for exchanging standard wall-switch for a switch controlled by time or for a memory relay controlled by a button
- more information about type and size of load for these products can be found on page 97
- SMR-T
 - 3-wire connection, functional without neutral
 - output: 10 - 160 VA
 - it is not possible to be used for fluorescent lights and energy saving lights (loads of capacitive type)
- SMR-H
 - 4-wire connection
 - output: 0 - 200 VA
 - it is not possible to 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 chart on page 97)
 - independent galvanically separated input AC/DC 5-250 V, for example for control from a security system

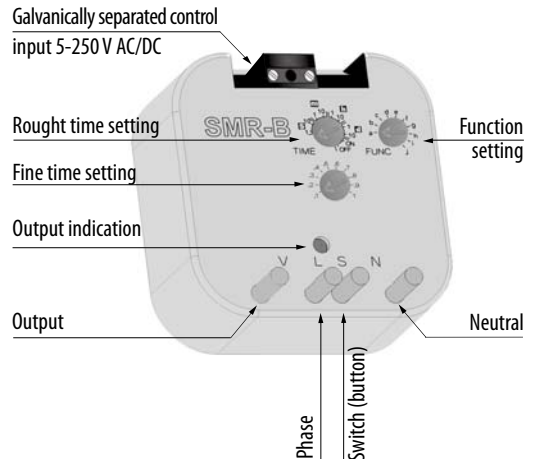
Technical parameters	SMR-T	SMR-H	SMR-B
Number of functions:	9	9	10
Connection:	3-wire, without neutral	4-wire, with neutral	4-wire, with neutral
Supply voltage:	AC 230 V / 50 - 60 Hz		
Power input (no operation/make):	0.8/3 VA	0.8/3 VA	max. 1 VA/ 1 VA
Supply voltage tolerance:	-15 %; +10 %		
Time ranges:	0.1 s - 10 days		
Time setting:	via rotaty switch		
Time deviation:	10 % - mechanical setting		
Repeat accuracy:	2 % - set value stability		
Temperature coefficient:	0.1 % / °C, at = 20 °C		
Output			
Number of contacts:	1x triac		1x NO (AgSnO ₂)
Resistive load:	10 - 160 VA	0 - 200 VA	16A 125/250 V AC1
Inductive load:	10 - 100 VA	0 - 100 VA	8A 250 V AC (cos φ = 0.4)
Control:			
Control voltage:	AC 230 V		AC 230V and UNI - 5-250 V AC/DC
Control current:	3 mA		
Impulse length:	Min. 50 ms / max. unlimited		
Other information			
Operating temperature:	0.. +50 °C		
Operating position:	any		
Mounting:	free at connecting wires		
Protection degree:	IP 30 from front panel		
Oversoltage category:	III.		
Pollution degree:	2		
Fuse:	F1 A / 250 V	F1 A / 250 V	x
Connection:	solid wires 0.75 mm ² , lenght: 90 mm		solid wires 2x0.75 mm ² solid wires 2 x 2.5 mm ²
Glow-lamps in control button:	max. 10		max. 20
Dimensions:	49x49x13 mm, see page 90-92		49x49x21 mm
Weight:	26 g	27 g	53g
Standarts:	EN 61812-1, EN 61010-1		

Description

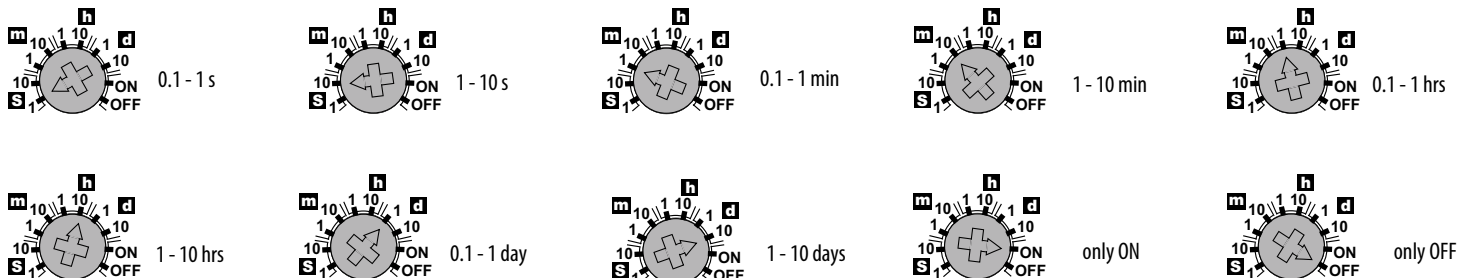
SMR-H, SMR-T



SMR-B

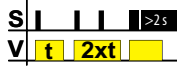


Time ranges

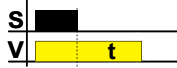


Function

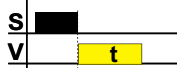
Function a - delay off on entering edge
output times when it is switched. Each following pressing (max. 5x) increases time
Long pressing swithes output off



Function b - delay 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.



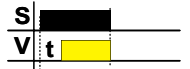
Function d - cyler - flasher impuls
output cycles in regular interval, cyler starts with an impulse



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



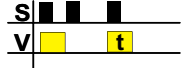
Function f - delay on
delay ater switch is switched on until it
is switched off



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
incase it is done before the end of timing



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

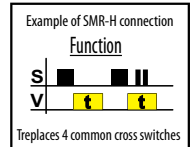
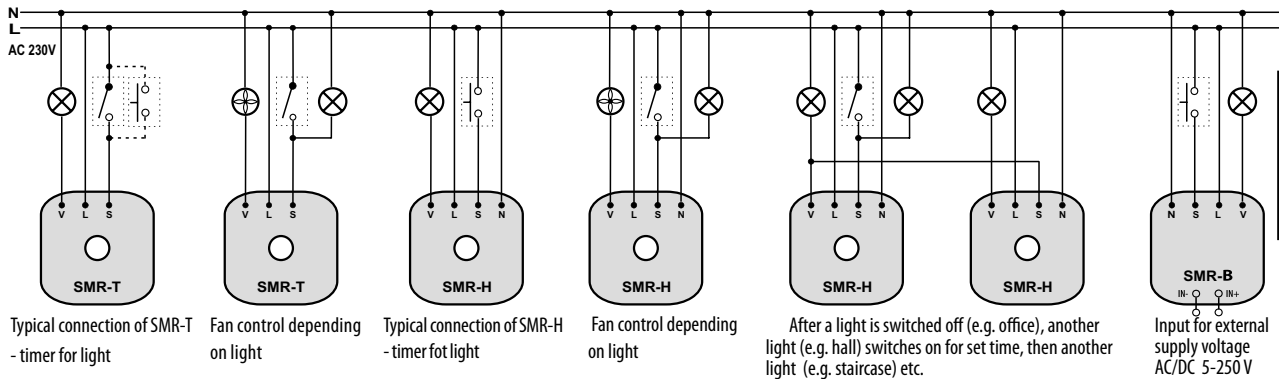


Function j* - cyler starting with gap
delay on after switching on until it is de-energized or a
switch is pressed again.



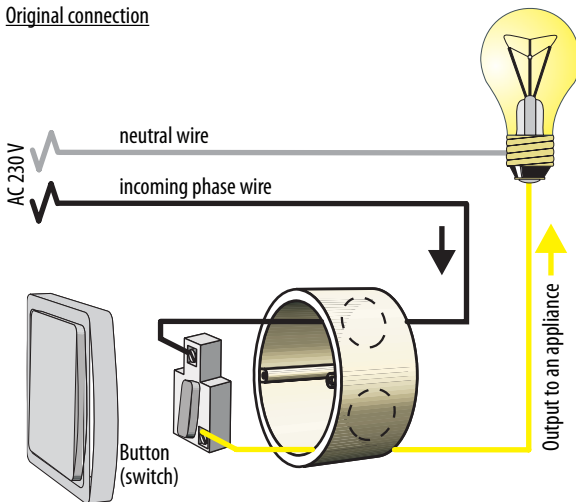
Connection SMR-B, SMR-H, SMR-T

Note: *- Function j is valid only for SMR-B

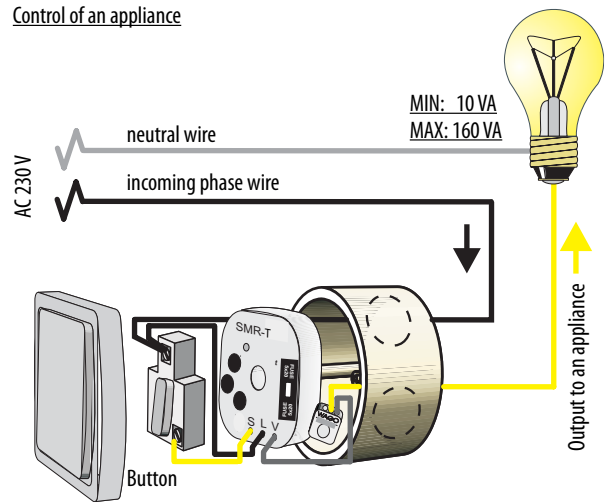


Example of connection SMR-T

Original connection



Control of an appliance



After the light bulb switch is switched off, fan starts operating and after set time switches off.

