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Made in Czech Republic

02-71/2016 Rev.: 2



CRM-4

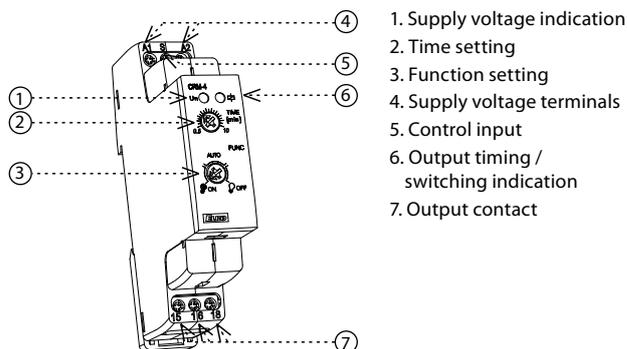
Staircase switch



Characteristics

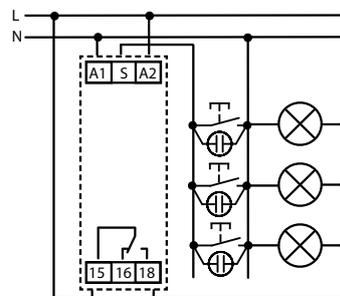
- Simple staircase switch used to control lighting in corridors, halls, staircases, common areas.
- Can also be used for delayed fan run-out e.g. in bathrooms, toilets...
- 3 functions:
 - ON (permanently closed) - e.g. when cleaning, moving
 - AUTO - STAIRCASE SWITCH without signalization
 - OFF (permanently open) - e.g. when replacing lights
- Adjustable time range 0.5... 10 minutes
- Timing can be terminated by long pressing the control button (> 2s)
- Possibility to connect control buttons with glow lamps (max. 100mA)
- Potential-free output contact 16A AC1 (4000VA), surge current up to 80A
- Option of 3 or 4 wire connection

Description

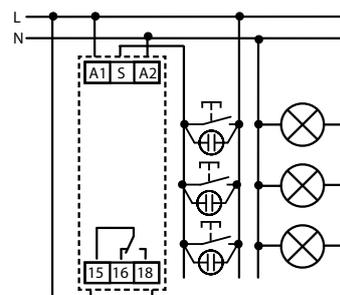


Connection

3-wire connection

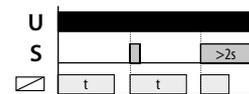


4-wire connection



Function

When switching between functions, the red LED flashes.



AUTO - STAIRCASE SWITCH without signalization

By briefly pressing the control button, the device times the set time. You cannot extend the time interval by briefly pressing the button repeatedly.

Function suitable for resistive loads (e.g. bulbs) and loads that do not tolerate frequent switching on and off (e.g. energy saving lamps, LED bulbs).

Notice:

- After the supply voltage has been connected, the device always performs 1 time cycle.
- The control input reacts to the potential of terminals A1 and A2.

CRM-4

Number of functions:	3
Supply terminals:	A1 - A2
Supply voltage:	AC 230 V / 50 - 60 Hz
Consumption max.:	3 VA / 1.6 W
Max. dissipated power (Un + terminals):	4 W
Supply voltage tolerance:	-15 %; +10 %
Supply indication:	green LED
Time ranges:	0.5 - 10 min
Time setting:	potentiometer
Time deviation:	5 % - mechanical setting
Repeat accuracy:	5 % - set value stability
Temperature coefficient:	0.01 % / °C, at = 20 °C (0.01 % / °F, at = 68 °F)

Output

Changeover contacts:	1x changeover (AgSnO ₂)
Rated current:	16 A / AC1
Switching capacity:	4000 VA / AC1, 384 W / DC
Inrush current:	30 A / <3 s
Switching voltage:	250V AC / 24V DC
Output indication:	red LED
Mechanical life:	10 000 000 operations
Electrical life (AC1):	50 000 operations

Control

Control voltage:	AC 230 V
Power on input max.:	4.5 VA / 0.3 W
Control. terminals:	A1-S or A2-S
Glow-tubes:	yes
Max. Current of connected glow lamps:	100 mA
Impulse length:	min. 40 ms / max. unlimited
Reset time:	max. 320 ms

Other information

Operating temperature:	-20 °C to +55 °C (-4 °F to 131 °F)
Storage temperature:	-30 °C to +70 °C (-22 °F to 158 °F)
Electrical strength:	4 kV (supply - output)
Operating position:	any
Mounting:	DIN rail EN 60715
Protection degree:	IP40 from front panel / IP20 terminals
Overvoltage category:	III.
Pollution degree:	2
Max. cable size (mm ²):	solid wire max. 1x 2.5 or 2x 1.5 / with sleeve max. 1x 2.5 (AWG 12)
Dimensions:	90 x 17.6 x 64 mm (3.5" x 0.7" x 2.5")
Weight:	56 g (2 oz.)
Standards:	EN 60669-2-3, EN 61010-1

Device is constructed for connection in 1-phase AC 230 V main alternating current voltage and must be installed according to norms valid in the state of application. Connection according to the details in this direction. Installation, connection, setting and servicing should be installed by qualified electrician staff only, who has learnt these instruction and functions of the device. This device contains protection against overvoltage peaks and disturbances in supply. For correct function of the protection of this device there must be suitable protections of higher degree (A, B, C) installed in front of them. According to standards elimination of disturbances must be ensured. Before installation the main switch must be in position "OFF" and the device should be de-energized. Don't install the device to sources of excessive electro-magnetic interference. By correct installation ensure ideal air circulation so in case of permanent operation and higher ambient temperature the maximal operating temperature of the device is not exceeded. For installation and setting use screw-driver cca 2 mm. The device is fully-electronic - installation should be carried out according to this fact. Non-problematic function depends also on the way of transportation, storing and handling. In case of any signs of destruction, deformation, non-function or missing part, don't install and claim at your seller.