RPC-1AS-A230-L
staircase timers

RPC-1AS-A230-L



- **Staircase timers** - delayed switching off lights in the corridors, entrances, stairways, halls or for delayed finish of fans (WC, bathroom, etc.)

- **Multifunction staircase timers (10 time functions; 5 time ranges)**
- Contacts 1 NO • AC input voltages • Cover - modular, width 18 mm
- Direct mounting on 35 mm rail mount acc. to EN 60715
- Applications: in low-voltage systems • Compliance with standard EN 61812-1
- Recognitions, certifications, directives: RoHS, CE UK CA

Output circuit - contact data

Number and type of contacts		1 NO
Contact material		$AgSnO_2$
Max. switching voltage		300 V AC
Rated load	AC1	16 A / 250 V AC
	AC5b	230 V AC for max. 75 glow lamps (0,68 mA)
	DC1	16 A / 24 V DC
Rated current		16 A / 250 V AC
Max. breaking capacity	AC1	4 000 VA
Min. breaking capacity		0,5 W 10 mA
Contact resistance		≤ 100 mΩ
Max. operating frequency		600 cycles/hour at rated load AC1

Input circuit

Rated voltage	50/60 Hz AC	230 V terminals L, N
Must release voltage		≥ 0,1 U_n
Operating range of supply voltage		0,85...1,1 U_n
Rated power consumption	AC	≤1,2 VA 50 Hz
	DC	≤0,8 W
Range of supply frequency	AC	48...63 Hz

Insulation according to EN 60664-1

Insulation rated voltage		250 V AC
Rated surge voltage		4 000 V 1,2 / 50 µs
Overvoltage category		III
Insulation pollution degree		2

General data

Electrical life	• resistive AC1	> 10^5 16 A, 250 V AC
Mechanical life (cycles)		> 10^7
Dimensions (L x W x H)		90 ❶ x 18 x 64 mm
Weight		70 g
Ambient temperature	• storage	-35...+75 °C
(non-condensation and/or icing)	• operating	-20...+55 °C
Cover protection category		front panel: IP 20 terminals: IP 10 EN 60529
Relative humidity		up to 85%

Time module data

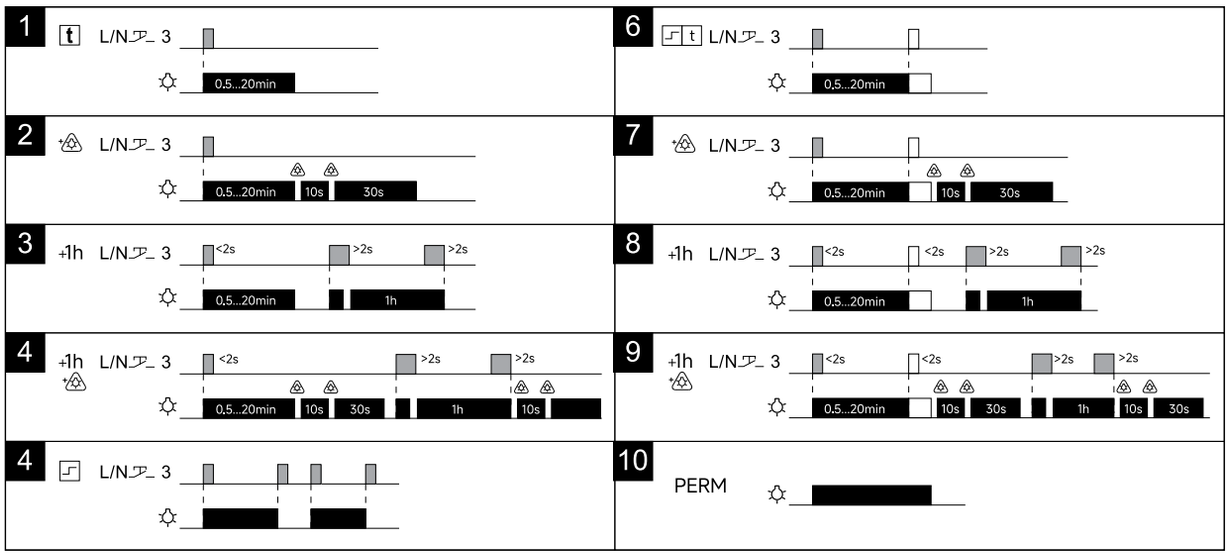
Functions	10 functions
Time ranges (timing adjustment)	step: 0,5 min.; 5 min.; 10 min.; 15 min.; 20 min. - with potentiometer
Setting accuracy	±10%
Repeatability	± 0,2%
Values affecting the timing adjustment	temperature: ± 0,05% / °C supply voltage: ± 0,01% / V
Recovery time	AC: ≤ 200 ms
LED indicator	green LED U_n ON - indication of supply voltage U green LED U_n flashing - measurement of T time red LED R ON/OFF - output relay status

❶ Length with 35 mm rail catches: 100 mm.

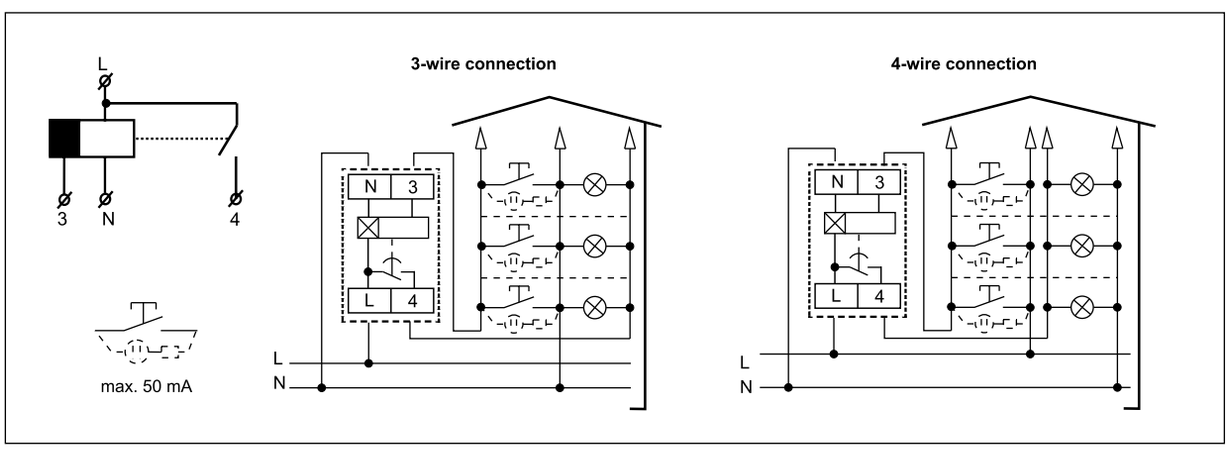
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Time functions



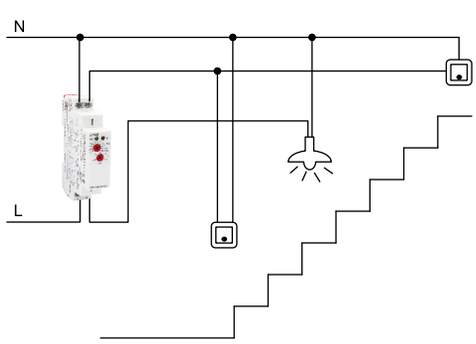
Connection diagrams



Types of lamps

Incandescent		3 600 W
Halogen lamps		3 600 W
Fluorescents, corrected, in paralle		1 000 W
Fluorescents, corrected, in series		900 W (125 µF)
Compact fluorescents		400 W
LED lamps (≤ 2 W)	LED	55 W
LED lamps (> 2 W)	LED	600 W

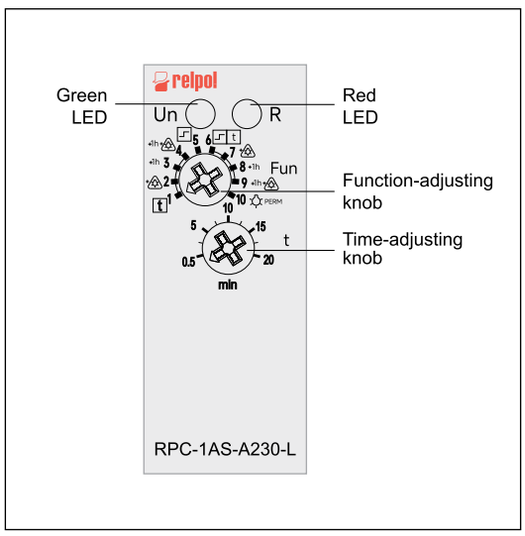
Application example



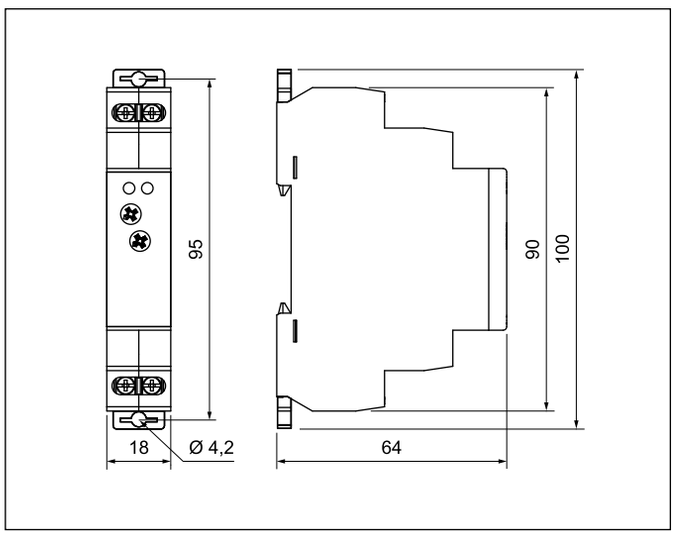
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Front panel description



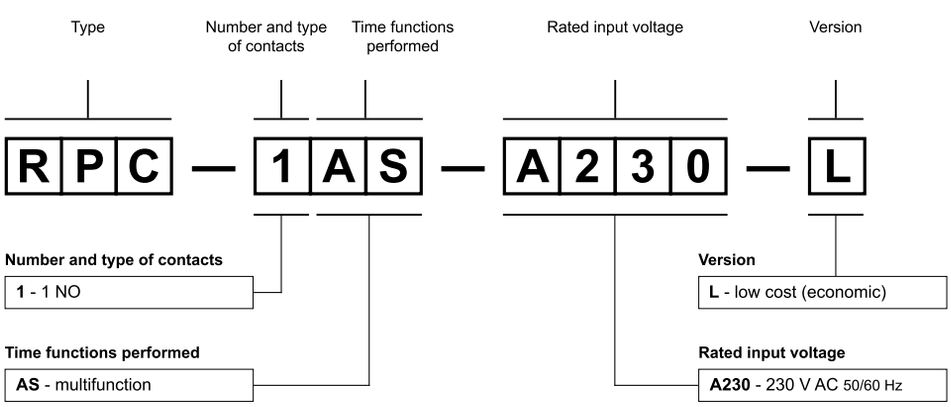
Dimensions



Mounting

Timers **RPC-1AS-A230-L** are designed for direct mounting on 35 mm rail mount acc. to EN 60715. Operational position - any. **Connections:** max. cross section of the cables: solid wire 1 x 2,5 mm^2 (1 x 14 AWG) or 2 x 1,5 mm^2 (2 x16 AWG) / with sleeve 1 x 2,5 mm^2 (1 x 14 AWG), stripping length: 6,5 mm, max. tightening moment for the terminal: 0,8 Nm.

Ordering codes



Example of ordering codes:

RPC-1AS-A230-L staircase timer (low cost) **RPC-1AS-A230-L**, multifunction (timer perform 10 functions), cover - modular, width 18 mm, one normally open contact, contact material $AgSnO_2$, rated input voltage 230 V AC 50/60 Hz

PRECAUTIONS:

1. Ensure that the parameters of the product described in its specification provide a safety margin for the appropriate operation of the device or system and never use the product in circumstances which exceed the parameters of the product. **2.** Never touch any live parts of the device. **3.** Ensure that the product has been connected correctly. An incorrect connection may cause malfunction, excessive heating or risk of fire. **4.** In case of any risk of any serious material loss or death or injuries of humans or animals, the devices or systems shall be designed so to equip them with double safety system to guarantee their reliable operation.