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ENGLISH



1IT1060

Staircase time switch

Compact in size, with a width of only 18 mm.
Integrated high-performance microcontroller, with strong interference resistance and high reliability.
The LED indicator shows the operating status.
Offers four modes, including automatic and manual.
Can be mounted on a 35 mm symmetrical DIN rail.



INFORMATION AND SAFETY PRECAUTIONS



It is advisable to read the installation and user instructions carefully and to keep them for future reference. The manufacturer reserves the right to make all the technical and construction changes it deems necessary without prior notice.



Important: the installation, electrical connection and commissioning of devices and equipment must be performed by qualified personnel and in compliance with regulations and applicable laws.



Before starting the installation and maintenance of the device, disconnect the mains power supply.

- Do not connect or power the unit if any part is visibly damaged.
- Once installation is complete, inaccessibility to the terminals without the use of special tools must be guaranteed.
- The manufacturer assumes no responsibility concerning the use of products that must comply with specific environmental and/or installation regulations.
- This unit must be intended only for the use for which it was built. Any other use must be considered improper and dangerous.

IMPORTANT

Device is constructed for connection in 1-phase 230V 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 (Type C curve) or Fuses rated at a maximum of 10 A, 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.

The device is fully-electronic - installation should be carried out according to this fact. Nonproblematic 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.

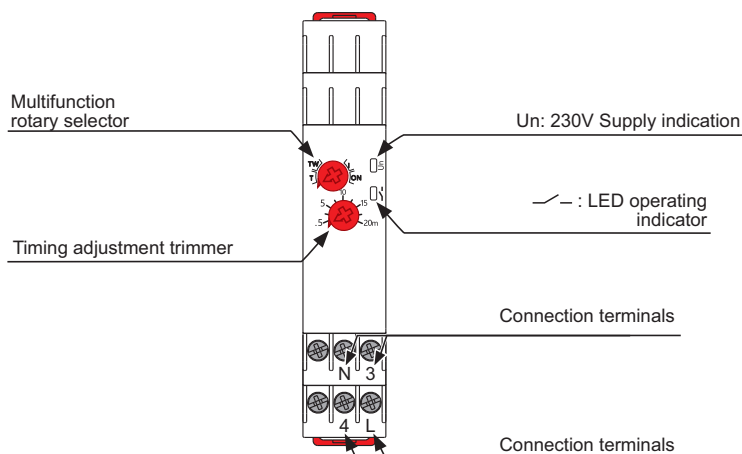
After stop using the product it is possible to demount and recycle.



DISPOSING OF OLD ELECTRICAL AND ELECTRONIC EQUIPMENT

This symbol on the product or on its packaging indicates that this product cannot be treated as household waste. On the contrary, it must be taken to a specific collection centre for recycling electrical and electronic equipment, such as: - outlets, if a similar product to the one being disposed of is being purchased - local collection centres (waste collection centres, local recycling centres, etc.). By making sure the product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inadequate disposal of this product. Recycling materials will help conserve natural resources. For more detailed information about recycling this product, please contact the local office in your area, the household waste disposal service in your area or the shop where you purchased this product.

Description



Technical specifications

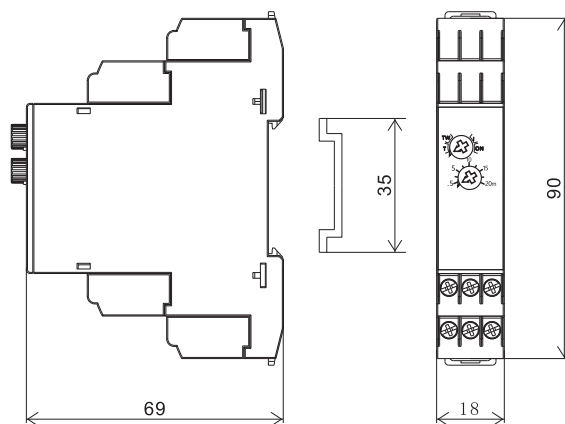
Rated control supply voltage (Un)	AC230V 50/60Hz
	Allowable fluctuation range: $\pm 15\%$
Range of time delay	30s...20min
Setting accuracy	$\pm 10\% \pm 100\text{ms}$
Repeatable accuracy	$\pm 0.2\% \pm 50\text{ms}$
Number of lamps in parallel	50max
Lamp current	50mA max
Rated insulation voltage	AC250V
Rated current	10A@250V ($\cos\phi=1$)
Electrical durability	20.000 Cycles
Mechanical durability	1.000.000 Cycles
Pollution degree	2
Degrees of protection	IP20
Uimp	2,5kV
Overvoltage category	2
Dielectric strength	3,2 kV (Between accessible parts and live parts)
Short-circuit protection device	MAX 10A
Power consumption	AC: $\leq 1\text{W}$ / 2VA
Storage temperature	from -35°C to $+75^\circ\text{C}$
Permissible relative humidity	$\leq 80\%$ (No condensation)
Operation temperature	from 0°C to $+40^\circ\text{C}$
Height above sea level	$\leq 2000\text{m}$
Installation	DIN rail mounting

This product complies with the EN 61812-1 standard

Types of loads

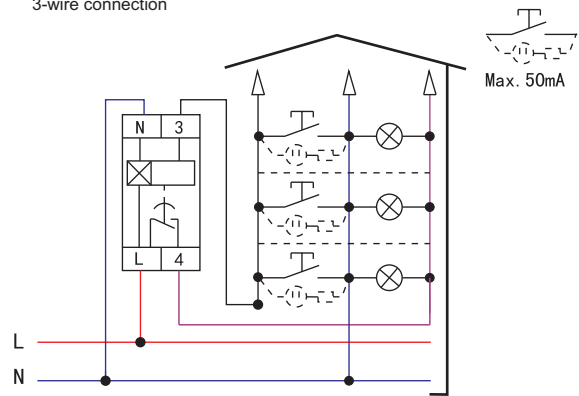
Incandescent / Filament	max 2300 W (23 lamps x 100W)
Halogen 230V	max 2300 W (23 lamps x 100W)
Fluorescent, corrected, in parallel	max 290 W (35 μF)
Fluorescent, corrected, in series	max 700W
Compact fluorescent / LED	max 7 lamps (7W + 15W)

Dimensions

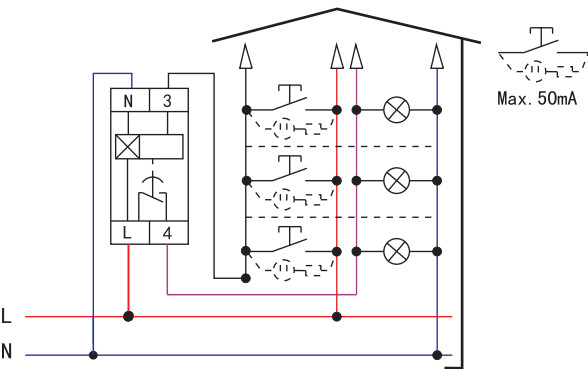


Connection

3-wire connection



4-wire connection



Automatic recognition of 3 or 4 conductors

Operational diagram

LED OPERATION INDICATORS			
Selector position	ON RELAY	OFF RELAY	BUTTON
T	1/2 Blinking	3/4 Blinking	Fast blinking
TW	1/2 Blinking	3/4 Blinking	Fast blinking
I	1/2 Blinking	3/4 Blinking	Fast blinking
ON	Fixed		Fast blinking

Important:
The 230V power indicator LED being off indicates that the device is not powered.

