

VTR-1-V2 | RUN-TIMER MODULE

Mounting and operating instructions

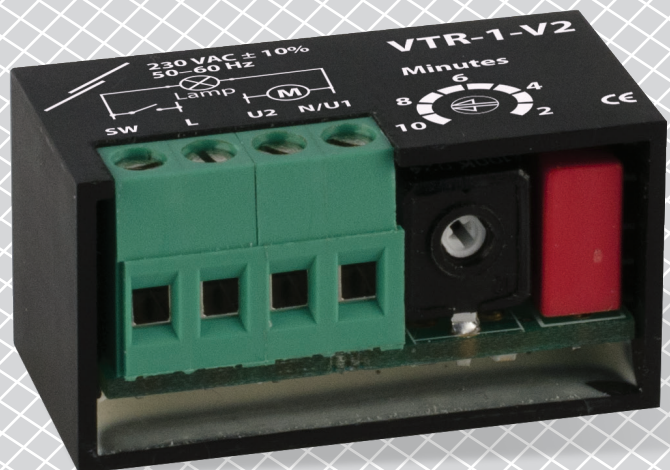


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SAFETY AND PRECAUTIONS



Read all information, the datasheet, mounting instructions and wiring scheme before working with the product. For personal and equipment safety, and for optimum product performance, make sure you entirely understand the contents before installing, using, or maintaining this product.



For safety and licensing (CE) reasons, unauthorised conversion and / or modifications to the product are not permitted.



The product must not be exposed to abnormal conditions, such as: extreme temperatures, direct sunlight or vibrations. Chemical vapours with high concentration in combination with long exposure times can affect the product performance. Make sure the work environment is as dry as possible; check for condensation spots.



All installations shall comply with the local health and safety regulations and local electrical codes. This product can only be installed by an engineer or a technician who has an expert knowledge of the product and safety precautions.



Avoid contacts with energised electrical parts; always treat the product as if it is life. Always disconnect the power source before connecting the power cables, servicing or repairing the product.



Always verify that you apply appropriate power supply to the product and use wires with appropriate size and characteristics. Make sure that all the screws and nuts are well tightened and fuses (if any) are fitted well.



Recycling of equipment and packaging should be taken into consideration and disposed in accordance with local and national legislation / regulations.



In case there are any questions that are not answered, please contact your technical support or consult a professional.

PRODUCT DESCRIPTION

The VTR-1-V2 is an electronic, triac controlled, timer module for fans ventilating small spaces such as lavatories and bathrooms. The fan is activated 1.5 s after the lights are switched on. When the lights are switched off, the fan is deactivated after an adjustable time delay between 2 and 10 minutes.

ARTICLE CODES

Code	Supply voltage
VTR-1-V2	230 VAC \pm 10 % / 50–60 Hz

INTENDED AREA OF USE

- Ventilation of small rooms
- For indoor use only

TECHNICAL DATA

- Power supply: 230 VAC \pm 10 % / 50–60 Hz
- Output for fan: 230 VAC \pm 10 %, load 0,04–1,5 A
- Trimmer for setting time delay (2–10 minutes)
- Protection standard: IP20
- Operating ambient conditions:
 - ▶ temperature: -10–40 °C
 - ▶ rel. humidity: 5–85 % rH

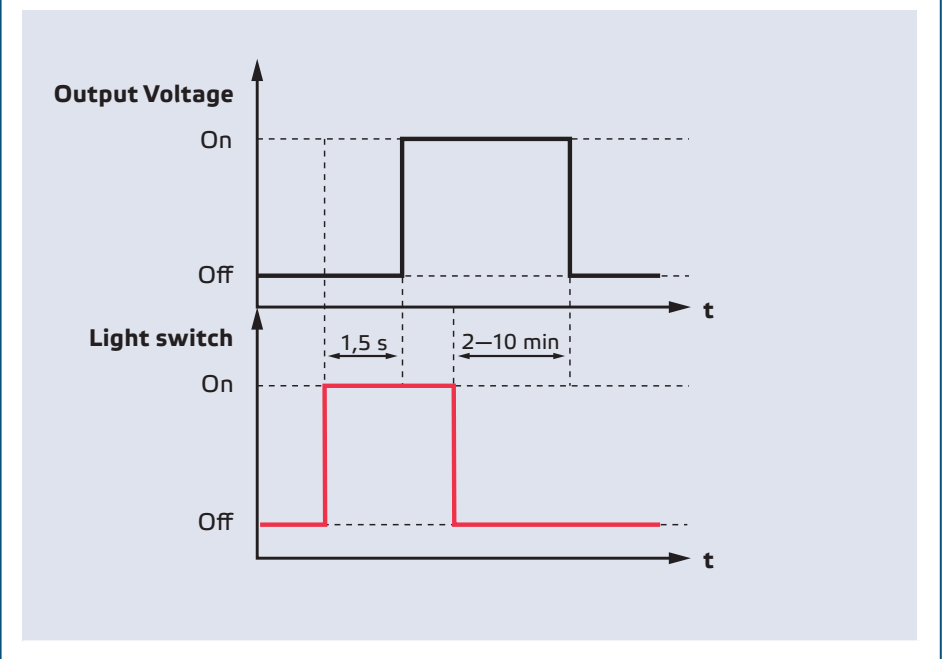
STANDARDS

- Low Voltage Directive 2014/35/EC
- EMC Directive 2014/30/EC
- WEEE Directive 2012/19/EU
- RoHs Directive 2011/65/EU



OPERATIONAL DIAGRAMS

Fig. 1 Operational diagram



WIRING AND CONNECTIONS

Four-pole terminal block (5,0 mm pitch, 2,5 mm² cable cross section)

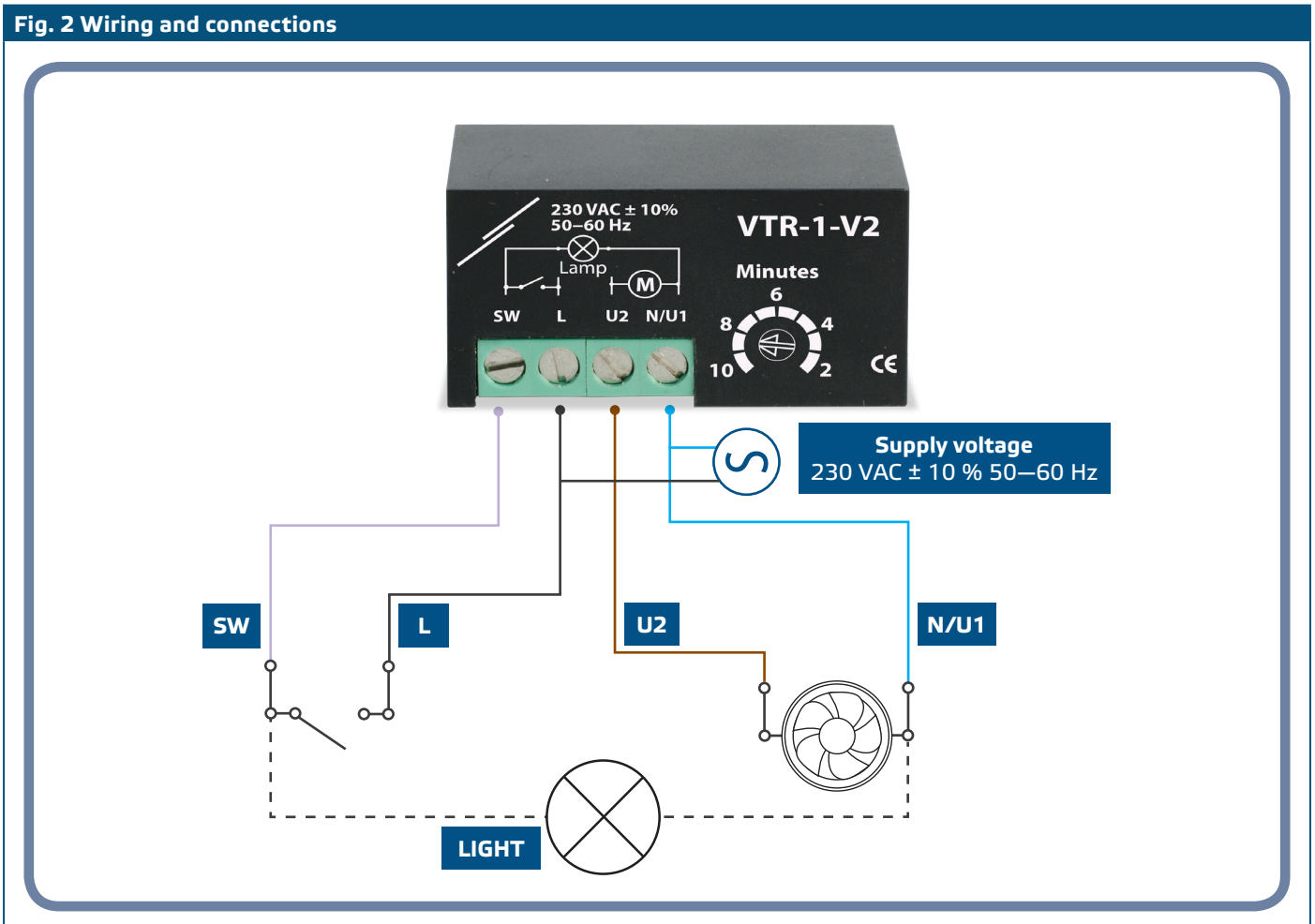
Supply voltage	230 VAC ± 10 % / 50–60 Hz
L	Supply voltage (L) and (light) switch
SW	(Light) switch
N/U1	Supply voltage (N) and output for fan
U2	Output for fan

MOUNTING INSTRUCTIONS IN STEPS

Read carefully **“Safety and Precautions”** before mounting the VTR-1-V2 triac controller. Then proceed with the following mounting steps:

1. Connect VTR-1-V2 according to the wiring diagram (see **Fig. 2 - “Wiring and Connections”**).
2. Set the output time delay by adjusting the trimmer.

Fig. 2 Wiring and connections



VERIFICATION OF INSTALLATION INSTRUCTIONS

1. When you activate the (light) switch, the fan will start up after the pre-defined time delay of 1.5 s. This time delay is not adjustable.
2. After the (light) switch has been deactivated, the fan (motor) output remains active during an adjustable time delay of 2–10 min set by the trimmer.

TRANSPORT AND STOCK KEEPING INFORMATION

Avoid shocks and extreme conditions. Stock in original packing at temperatures 0–40°C.

WARRANTY INFORMATION AND RESTRICTIONS

Two years from the delivery date against defects in manufacturing. Any modifications or alterations to the product after the date of publication relieve the manufacturer of any responsibilities. The manufacturer bears no responsibility for any misprints or mistakes in this data.

MAINTENANCE

In normal conditions these controllers are maintenance-free. If soiled, clean with a dry or dampish cloth. In case of heavy pollution, clean with a non-aggressive product. In these circumstances, the unit should be disconnected from the main supply. Pay attention that no fluids enter the unit. Only reconnect the controller to the main supply when it is completely dry.