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EPP-619

Electronic current relay

5 908312 593928

Do not dispose of this device in the trash along with other waste! According to the Law on Waste, electro coming from households free of chage and can give any amount to up to that end point of collection, as well as to store the occasion of the purchase of new equipment (in accordance with the principle of old-for--new, regardless of brand). Electro thrown in the trash or abandoned in nature, pose a threat to the environment and human health.

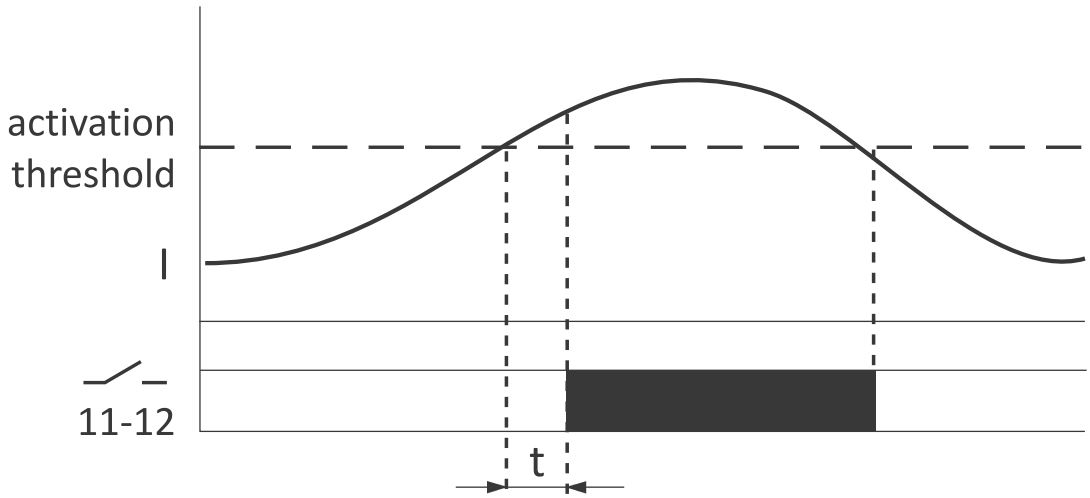
Purpose

The EPP-619 is a current relay is used to control the current value in the measured circuits with the function of switching the contact if the current exceeds the set threshold values.

Functioning

Power supply to the relay is signalled by the illumination of the green LED. The potentiometer is used to set the value of the tripping current. If the current value is below the set threshold the contact remains open (pos. 11-10). If the current exceeds the set threshold the contact will be closed (pos. 11-12) with set time delay „t". Exceeding the set threshold is signalled by the red LED lighting up. Decrease of the current value below the set threshold will cause automatic opening of the contact (pos. 11-10).

Diagram

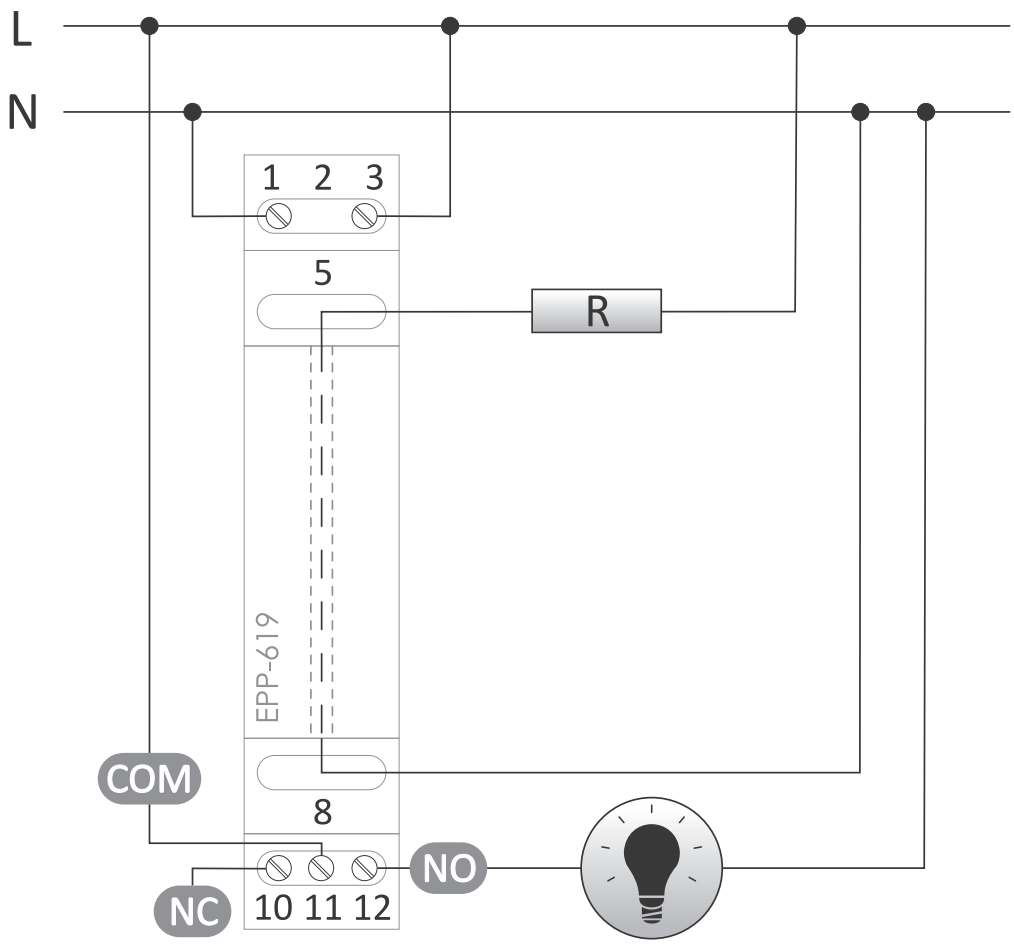


The current of the receiver can be greater than 16 A. The current is only limited by the cross-section of the conductor threaded through the through channel.

Mounting

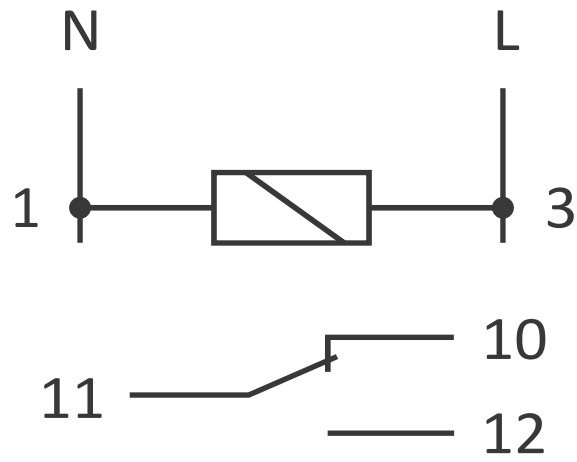
1. Switch off power supply.
2. Mount the relay on the rail in the control box.
3. Connect the relay power supply to terminals 1-3 as marked.
4. Pass the wire of the circuit to be measured through the through channel of the relay.
5. Connect the power supply circuit of the controlled consumer in series to the relay contact (terminals 11-12).
6. On the current scale of the relay set the tripping threshold and the tripping delay time..

Wiring diagram



Example of a system for signalling the exceeding of the set current value

Terminal description



1-3	230 V relay power supply
10	NC contact
11	relay common COM contact
12	NO contact

Technical data

power supply	195÷253 V AC
contact	separated 1×NO/NC
maximum load current (AC-1)	16 A
current measuring circuit	limited cross-section of the cable
switching current (adjustable)	0.6÷16 A
return hysteresis	10%
activation delay (adjustable)	0.5÷10 s
return delay	0.5 s
power consumption	0.4 W
working temperature	-25÷50°C
terminal	2.5 mm² screw terminals
tightening torque	0.4 Nm
dimensions	1 module (18 mm)
mounting	on TH-35 rail
ingress protection	IP20
through channel	
diameter	ø4 mm
insulation	glass fibre impregnated with rubber
insulation breakdown voltage	4 kV/mm

Warranty

The F&F products are covered by a warranty of the 24 months from the date of purchase. Effective only with proof of purchase. Contact your dealer or directly with us.

CE declaration

F&F Filipowski sp. j. declares that the device is in conformity with the essential requirements of The Low Voltage Directive (LVD) 2014/35/EU and the Electromagnetic Compatibility (EMC) Directive 2014/30/UE.

The CE Declaration of Conformity, along with the references to the standards in relation to which conformity is declared, can be found at www.fif.com.pl on the product page.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