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OM-623

Power consumption limiter



5190243116710791

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 charge 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 OM-623 power consumption limiter is used for automatic disconnection of the power supply of an electrical installation circuit in case of exceeding the set value of the power consumed by the receivers in this circuit. The limiter is adapted to work with any type of load (capacitive, resistive, inductive) such as compact fluorescent lamps, electronic transformers, LED lamps, but also standard incandescent lamps and heating devices.

Functioning

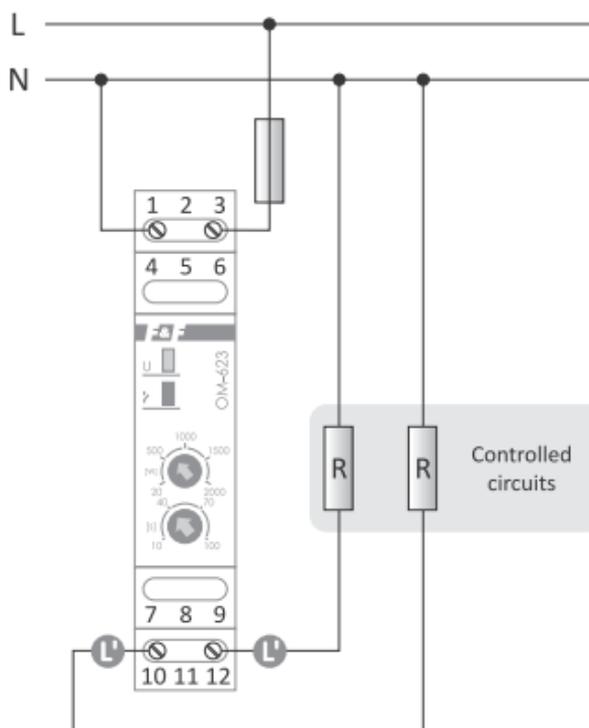
The correct operation of the power limiter is indicated by the green LED marked with the symbol "U". The internal contact of the device is switched on and allows the connected receivers to operate only if the total power consumed by these receivers does not exceed the value set on the device. Exceeding the set power value disconnects the internal contact and, as a result, disconnects the voltage from the connected receivers. This is indicated by the red LED marked with the symbol "I" on the housing. The power supply will be switched on again after a set

time of 10÷100 seconds. If the power consumed is still higher than the power set on the device, the circuit will be disconnected again. The shutdown is delayed by 2 s to avoid shutdown during momentary power surges.

Installation

1. Turn off the circuit power supply.
2. Install the device in the distribution board.
3. Connect the device according to the diagram in the user manual.
4. Check that the connection is correct and that the screws are tightened.
5. Set the trigger threshold and the return time.
6. Turn on the power supply.
7. Verify that the device is working correctly.

Connection diagram



Description of terminals

1	power supply N
3	power supply L (IN)
10	output L' (OUT)
12	output L' (OUT)

Technical data

power supply	165÷265 V AC
maximum load current	
AC-1	16 A
AC-3	2 A
power	
power limitation (adjustable)	20÷2000 W
tripping time	2 s
return time (adjustable)	10÷100 s
power consumption	approx. 1 W
working temperature	-25÷50°C
terminal	2.5 mm ² screw terminals
tightening torque	0.4 Nm
dimensions	1 module (18 mm)
mounting	on TH-35 rail
ingress protection	IP20

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.