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OM-2

Power consumption limiter



5190831215921811

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-2 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.

Functioning

The power limiter allows the circuit to be powered when the total power of the consumers in the controlled circuit is lower than that set on the limiter scale. Exceeding the set power consumption threshold on the controlled circuit disconnects the power supply to this circuit. The power supply will resume automatically after a user-set time.

If the power consumption is still higher than the set time, the circuit will be de-energised again. The limiter has a delayed tripping circuit (1.5÷2 s), which prevents the power supply from being cut off in the event of momentary exceeding of the set power.



The power limiter should not be used in systems with electronic ignition (energy-saving fluorescent lamps), switching mode power supplies and other equipment generating higher harmonics from 3 upwards.

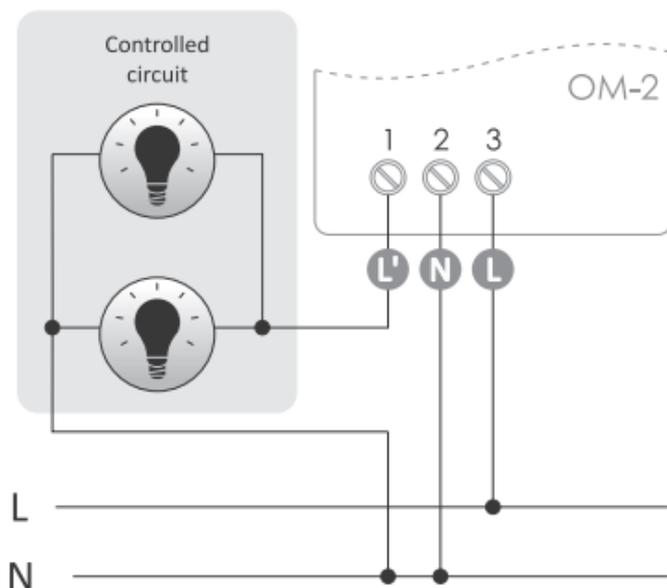
Mounting

1. Fix the limiter to the ground with 2 screws.
 2. Disconnect the power supply.
 3. Connect the power supply to terminals 2-3 as marked.
 4. Connect the controlled circuit to terminal 1 (L').
 5. Use a screwdriver to set the trip threshold and the reset time after the arrester has tripped.
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Additional current protection of the controlled circuit (at the L' output) with a gL/gG or B16 fuse is recommended.

Wiring diagram



Description of terminals

- 1 – power supply L' (OUT)
- 2 – power supply N (IN)
- 3 – power supply L (IN)

Technical data

power supply	195÷253 V AC
maximum load current (AC-1)	16 A
power limitation (adjustable)	200÷2000 VA
activation delay	1.5÷2 s
return supply hysteresis	2%
return supply time	4÷150 s
power consumption	0.8 W
working temperature	-25÷50°C
terminal	2.5 mm ² screw terminals (cord) 4.0 mm ² screw terminals (wire)
tightening torque	0.5 Nm
dimensions	50×67×26 mm
mounting	surface-mounted
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.