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POWER CONSUMPTION  
LIMITER

OM-611

**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 manufacturer with us. More information how to make a compliant can be found on the website: [www.fif.com.pl/reklamacje](http://www.fif.com.pl/reklamacje)



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 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**

Power consumption limiters OM-611 is devised for the automatic disconnection of power from the circuit of single-phase wiring systems once the rated power consumption of the receivers incorporated into the system is exceeded.

**Functioning**

The relay is designed to cooperate with current transformers, whose input is included in the circuit controlled, and output to measuring contacts OM, which allows you to control the circuits of any load and set the actual actuation threshold of the relay higher than 5A ( $I_{OM}$ ). The range of the measured current will be dependent on the transmission of relay e.g. from 5A to 50A with the transmission 10:1.

**Current input 4-6 relay does not exceed 5A.**

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**Assembly**

1. Disconnect the power supply.
2. Mount the limiter on a rail in the distribution box.
3. Connect the power supply to terminals 1-3 according with markings: L-1 and N-3.
4. Connect the current transformer to the measured system.
5. Connect the outputs of the secondary site of the current transformer to terminals 4-6.
6. Plug contact 7-10 or 7-12 in series and according to the requirements in to the power supply circuit of the controlled receiver.
7. Set the executive parameters of the relay.

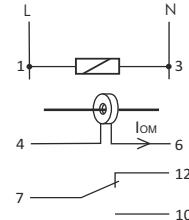
**Technical data**

power supply	230V AC
contact	1x NO/NC
current load	<8A
activation threshold - adjustable	0.5-5A
return hysteresis	2%
response delay - adjustable	2-40sec
time of power return - adjustable	15-300sec
terminal	2.5mm <sup>2</sup> screw terminal
tightening torque	0.4Nm
power consumption	0.8W
working temperature	-25-50°C
dimensions	1 module (18mm)
mounting	on TH-35 rail
ingress protection	IP20

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The power supply of the relay is indicated by the green LED (U). When the current in the measured circuit is lower than the set threshold of IOM switch, the contact will remain closed (position 7-10). Exceeding the set threshold in the measured circuit is indicated by the pulsating red LED >. After a preset time Tdelay, the contact is opened (position 7-12). The contact will be closed automatically after the preset time Treturn. If the value of the current in the measured circuit will still be higher than the set threshold, the contact will re-open.

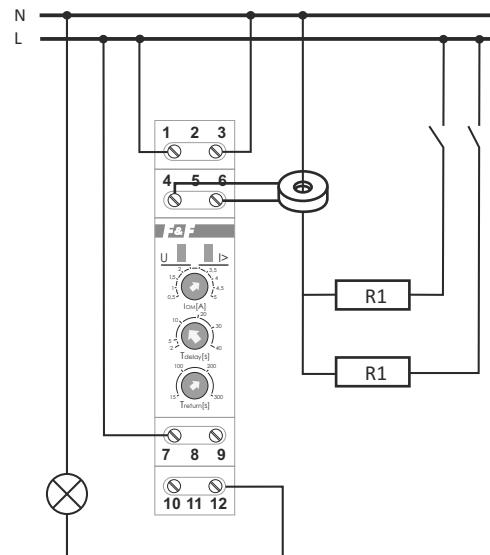
**IN/OUT description**



1-3 230 V power supply  
4-6 measuring inputs for the secondary circuit of the current transformer  
7 COM contact input  
10 contact output - position "normally open"  
12 contact output - position "normally closed"

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**Wiring diagram**



Indication of exceeding the set current threshold in the measured circuit.

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