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**ELECTRONIC  
POWER RELAY**

**EPM-621**

**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. 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 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**

EPM-621 is a relay designed to work in single-phase networks and indicates the exceeding of the set level of active power drawn, returned to the network or both.

**Basic functions**

- \* two-way energy meter;
- \* direct measurement in a single-phase system;
- \* indication of exceeding the set active power level:
  - drawn from the network (energy returned to the network is not indicated);
  - returned to the grid (energy drawn from the network is not indicated);
  - drawn or returned (regardless of the direction of energy flow);

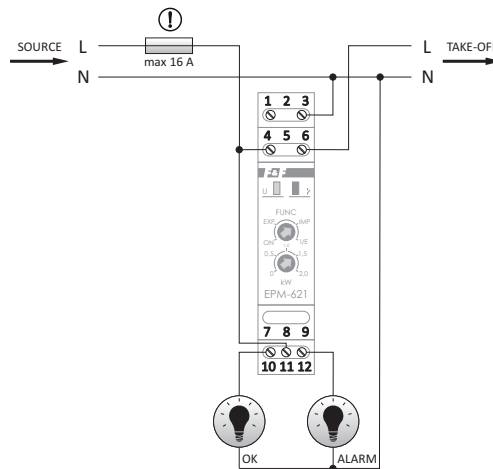
- \* range of measured power: 0÷2 kW;
- \* response delay: 1 sec;
- \* maximum current in the 16 A measurement circuit;
- \* signalling: 16 A relay, changeover contact.

**Description of leads**



- |      |   |
|------|---|
| 3    | power supply N  |
| 4    | power supply L (from the power line side)   |
| 6    | power supply L (from the receiving line)  |
| 10   | relay - NC contact  |
| 11   | relay - COM contact   |
| 12   | relay - NO contact  |
| U    | indication of the controller power supply   |
| ∩    | indication of exceeding power and switching on of the relay   |
| FUNC | selection of the operating mode:<br>ON – test mode (switching on of the output relay)<br>EXP – control of the power returned to the grid (flow in the direction TAKE-OFF -> SOURCE)<br>IMP – control of the power drawn from the grid (flow in the direction SOURCE -> TAKE-OFF)<br>I/E – power control regardless of the direction of flow |
| kW   | power level   |

**Connection diagram**



Overcurrent protection required, time-delay 16 A.

**Technical data**

power supply	85÷265 V AC
measuring range	0÷2 kW
hysteresis	5%
maximum load current (AC-1)	16 A
operation delay	1 sec
return time	1 sec
power consumption	<0.8 W
working temperature	-15÷50°C
	(without condensation)
terminal	2.5 mm <sup>2</sup> screw terminals
tightening torque	0.4 Nm
mounting	1 module (18 mm)
protection level	IP20

**CE declaration**

A copy of the CE declaration is available to download from the website: [www.fif.com.pl](http://www.fif.com.pl) from product subpage.