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ENERGY METER
single-phase

LE-01

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 complaint can be found on the website: www.ff.com.pl/reklamacja



5 19 0 8 3 1 2 15 9 1 6 3 4

Do not dispose of this device to a garbage bin with other unsorted waste!
In accordance with the Waste Electrical and Electronic Equipment Act any household electro-waste can be turned in free of charge and in any quantity to a collection point established for this purpose, as well as to the store in the event of purchasing new equipment (as per the old for new rule, regardless of brand). Electro-waste thrown in the garbage bin or abandoned in the bosom of nature pose a threat to the environment and human health.

Purpose

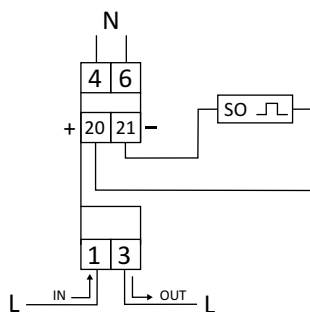
LE-01 is static (electronic) a calibrated indication of the electricity consumption of single-phase alternating current system directly.

Functioning

A special electronic system under the influence of current flow and applied voltage pulses generated in proportion to the electricity consumed. Energy consumption is indicated by a flashing LED. The number of pulses is converted into energy input, and its value is determined by mechanical drum counter. Last, the red number on the drum counter means the government of 1/10 kWh (100 Wh).

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Wiring diagram



Assembly

1. Disconnect the power supply.
 2. The indicator mounted on a rail in the distribution box.
 - 3 Input phase connect to the input terminal 1. N wire lead to terminal 4.
 4. Measuring circuit or a single receiver connected to the terminal 3 (output phase L) and to the terminal 6 (N).
 5. Additional pulse receiver connected to terminals 20(+) ÷ 21(-).
- NOTE! Is not required.

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Pulse output

The indicator has a pulse output SO+ - SO-. This allows you to connect another device pulse-reading (SO) pulses generated by the counter.

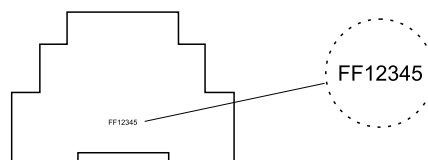
For proper operation of the meter is not required to connect additional devices.

Sealing

The indicator has the possibility of sealing guards input and output terminals do to prevent circumvention of the counter.

Counter number

The counter is marked with an individual serial number to uniquely identify it. The marking is non-removable (laser engraver).



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Technical data

reference voltage	230V AC ±30%
basic current	5A
maximum current	45A
minimum current	0,02A
measurement accuracy	1st class
per IEC61036	
counter's own power consumption	<8VA; <0,4W
drum counter indication range	0÷99999,9kWh
constant meter	(1Wh/pulse)
	1000pulses/kWh
read-out signalling	red LED
SO+ SO- pulse output	open collector
SO+ SO- connection voltage	<27V DC
SO+ SO- current connection	<27mA
SO+ SO- constant	(1Wh/pulse)
	1000pulses/kWh
SO+ SO- pulse duration	90ms
working temperature	-20÷55°C
connection	screw terminals 6mm²
dimensions	1 module (18mm)
fixing	on TH-35 rail
degree of protection	IP20

D141028/141218

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