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ENERGY METER





In accordance with the Waste Electrical and Electronic Er any household electrowaste can be turned in free of chan quantity to a collection point established for this purpose, as store in the event of purchasing new equipment (as per the old regardless of brand). Electro-waste thrown in the garbage bin in the bosom of nature pose a threat to the environment and huu X

Purpose LE-02 CT is a static (electronic) indicator calibrated electricity three-phase alternating current system

system. The indicator is designed to work with current transformers with primary current lp from $S \div 6000A$ and secondary current SA. The maximum measured current is determined by the value of the primary current lp current transformer used. You can set the index value of the gear used transformers, allowing you to identify the actual value taken by the electricity system.

Functioning

A special electronic system under the influence of current flow and applied voltage in each A special electronic system under the influence of current flow and applied voltage in each phase generates pulses in proportion to the electricity consumed in this phase. Phase energy consumption is indicated by flashing the corresponding LED [L1, L2, L3]. The sum of the three phases of pulses indicated by a flashing LED is converted to energy taken in the entire three-phase system, and its value is determined by the segment LED Gisplay. Stored in the memory index values transformer primary current Ip possible to apply. Choosing the right value compatible with the values of external transformers automatically sets the correct ratio, which is calculated according to the actual value of the collected energy. The LCD displays the actual value of the energy consumed in the format depending on the selected energy.

selected gear.

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Assembly

Те

- Disconnect the power supply.
 The indicator mounted on a rail in the distribution box

3. Using a screwdriver, remove the screws and remove the front shield meter terminals 4. Connect the voltage-controlled phase, following the indications to terminals 1 (L1),

2 (L2), 3 (L3), 5. Connect the cable to the terminal N 4.

Transformers fasten on the phase conductors and secondary outputs connected in accordance with the indications to the terminals 10-9 (L1), 8-7 (L2), 6-5 (L3).

Ŷ Do not tighten the clamps without the inserted wire. Doing so may damage the lift mechanism terminal or a plastic shield that terminal.

Additional pulse receiver connected to terminals 20(+) - 21(-). The terminals are located under the top shell meter terminals.
 NOTE! Additional pulse receiver is not required.

8. Pull the cap setting button transmission. Program indicator. Slide the cap.

- NOTE! The shell has a hole for safety seal assumption.
- 9. Install shield meter terminals.

chnical data		
reference voltage		3×230/400V+M
base current		3×1,54
maximum current		3×64
secondary current transformer		54
secondary minimum current		0,044
accuracy in accordance (with IEC61036)		1st class
own power consumption		<10VA; <2W
load current inputs		0,4VA
number of characters LCD		5
indication range		depending on the gea
meter constant (for 5/5A)		12000 pulses/kWł
current consumption signal		3×red LEE
read-out signalling		red LEE
SO+ SO- pulse output		open collecto
SO+ SO- connection voltage		<30V D0
SO+ SO- current connection		<27m/
SO+ SO- constant		depending on the gea
SO+ SO- pulse time		35m
working temperature		-20÷55°0
terminal		screw terminals 16mm
dimensions		4,5 modules (75mm
mounting		on TH-35 rai
degree of protection		IP20
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Pulse output

The indicator has a pulse output SO+ SO-. This allows you to connect a pulse meter-reading (Sc) pulses generated by the counter. For proper operation of the indicator is not required to connect additional devices. Constant pulse counter is 12000pulses/kWh for maximum input current meter, or the secondary current transformer (SA). When using a dedicated transformer the number of pulses per 1 kWh is calculated from the formula (12000 × 5) / lp, where:

wnere: lp - primary current transformer used. Example: for a transformer of 5 / 5A (lp = 5): (12000 × 5) / 5 = 12000pulses / kWh for CT 100 / 5A (lp = 100): (12000 × 5) / 100 = 600pulses / kWh

Programming Transmission programmable using the button located under the lower casing meter terminals.

For safety reasons, the data logging function can make the gear set only once. \wedge

CT Current values lp inscribed in memory device: 5, 25, 40, 50, 60, 75, 80, 100, 120, 150, 200, 250, 300, 400, 500, 600, 800, 1000, 1200, 1500, 1600, 2000, 2500, 3000, 4000, 5000, 6000.

Another pressing the programming button jumps to the next value After switching to the desired value in order to confirm the selected value to hold the key

>30s Sealing

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

Counter number

The meter is marked with an individual serial number to uniquely identify it. The marking is indelible (laser engraver).



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The method of projection data depending on the settings gear

Format Current lp 000000.00 5: 25: 40: 50: 60

5, 23, 40, 50, 60. 75, 80; 100; 120; 150; 200; 250; 300; 400; 500; 600. 800; 1000; 1200; 1500; 1600; 2000; 2500; 3000; 4000; 5000; 6000. 0000000 0 00000000

I/O description



Wiring diagram



D141028/141219