

Qoltec®



User Manual

Single-phase electronic energy meter

Model: 50924

Introduction

Thank you for your trust and for choosing our product. We are confident that the product will meet your expectations. This manual contains instructions on the installation and use of the product, including important safety instructions regarding correct operation and installation. If you have any questions after reading this manual, please contact our Customer Service Department.

About the product

The electronic energy consumption meter is used for real-time monitoring of electricity consumption by single-phase appliances. The LCD display shows the amount of energy consumed, calculated from the number of pulses. Energy consumption during the active phase is indicated by an LED measurement indicator. Accuracy class 1.0.

Product features

- ✓ Single-phase,
- ✓ Unidirectional, measures energy regardless of the direction of flow,
- ✓ Standard installation,
- ✓ Energy consumption displayed in kWh,
- ✓ Features a 6+1 LCD display for monitoring measurements,
- ✓ Direct measurement is 5(60)A,
- ✓ Complies with IEC 62053-21 and DIN EN 50022 standards,
- ✓ Accuracy class 1.0,
- ✓ Base current is 5A, maximum current is 60A,
- ✓ Transparent terminal cover for safe use,
- ✓ LED indicator showing energy consumption (pulses),
- ✓ Not MID-certified

Safety information

1. Disconnect the power supply before carrying out any installation work.
2. Installation must only be carried out by a qualified electrician.
3. Ensure that the voltage and current in the circuit comply with the device's permissible parameters.
4. Connect the wires to the appropriate terminals

5. Do not use the device in environments with high humidity, high dust levels or in direct sunlight.
6. The operating temperature range is from -25°C to +55°C (check the manufacturer's documentation).
7. Do not exceed the permissible current load.
8. Do not open the device's casing – there is a risk of electric shock.
9. Do not attempt to repair the appliance yourself – it contains no user-serviceable parts.
10. Always use residual current devices (RCDs) and overcurrent protection (fuses) in the installation.
11. Check the condition of cables and connections regularly.
12. If the appliance is not working properly, switch it off and contact the service department.

Wiring diagram

The meter must be connected to a single-phase circuit, in accordance with the terminal markings on the device housing.

The meter must only be installed by a person with the appropriate electrical qualifications. It is essential to switch off the power supply before starting the connection. Ensure that the cables are correctly connected to the appropriate L and N terminals (phase cable L and neutral cable N), in accordance with the manufacturer's diagram.

Symbols shown on the diagram:

Figure 1 in the appendix to the manual

Technical specifications

Type	Single-phase
Connection point	bottom
Rated current	5(60)A
Voltage	AC 220V, 230V, 240V
Starting current	0.04% Ib
Frequency	50–60 Hz
Accuracy	1.0

Operating temperature	-25°C to 70°C
Display	digital
Dimensions	111 mm x 58 mm x 158 mm

Maintenance

1. Keep clean using a soft, dry cloth to remove dust and dirt. Do not use chemicals.
2. Regularly check the power cables and connectors for damage, such as fraying, cracks or loose connections.

Disposal

This product is subject to the regulations on the disposal of electrical and electronic equipment (WEEE). Please take it to an e-waste collection point that ensures safe recycling in accordance with GPSR standards. Check where your nearest e-waste collection points are. If you have any questions regarding disposal, please contact the manufacturer or an authorised service centre.

Warranty and servicing information

The product is covered by a 24-month manufacturer's warranty, effective from the date of purchase. The warranty covers all material and manufacturing defects. Please contact our after-sales service in the event of any problems with the device to ensure prompt and professional assistance. The warranty does not cover damage resulting from misuse, drops, mechanical damage, unauthorised repairs or attempts to dismantle the device.

Attachment

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