Energy-230 Wi-Fi

VE794600



Wi-Fi energy meter, 2-DIN modules, 230 Vac, direct connection up to 40 A, pulse output for remote counting. Designed for measuring active energy consumption in single-phase systems. Integrated Wi-Fi module allows remote management via smartphone or tablet through the dedicated app (iOS/Android). The app displays total energy, partial energy and instantaneous power values..

General features

- Integrated Wi-Fi module compatible with 802.11 b/g/n standards
- LED for signaling Wi-Fi network connection status
- Device configuration key
- Operating status LEDs
- Bluetooth interface for device configuration
- Application for iOS and Android systems
- Direct insertion up to 40 A
- Bluetooth interface BLE 5.0
- Wi-Fi interface with 802.11 b/g/n standard
- Operating frequency band: 2.4 GHz
- Accuracy: class B
- 2 independent meters for total and partial energy measurements
- 3 instantaneous measured quantities: voltage, current, and power.
- Local operation lock function: device can only be controlled via the app (keyboard input ignored)

Technical specifications

Power supply	
Power supply	230 Vac (-15% ÷ +10%)
Frequency	50 / 60 Hz
Absorption	4.7 (1.5) VA (W)
Measure	
Total energy display resolution	0.01 kWh
Partial energy display resolution	0.01 kWh
Active energy measurement accuracy	Class B
Current circuit absorption	< 4 VA
AC current range	40 A
Type of insertion - current	Direct
Starting current	20 mA

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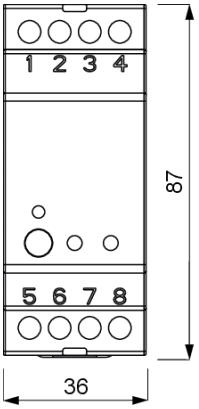
Revision date: 2026-02-02

Measure	
Minimum current	0.25 A
Reference current	5 A
Maximum current	40 A
Functions	
Keypad lock function	✓
Manageable by application	✓
Connectivity	
Transmission frequency	2,4 GHz (Wi-Fi) 2400 - 2483,5 MHz (Bluetooth)
Maximum transmitted radio frequency power	18,3 dBm (Wi-Fi) 20 dBm (Bluetooth)
Operating conditions	
Operating temperature range	-10 ÷ 45 °C
Relative humidity	10% ÷ 90% non-condensing RH
Storage temperature range	-25 ÷ 70 °C
Outputs	
Optoisolated pulse output	✓
Pulse weight	5 Wh
Pulse duration	100 ms
Pulse output current	< 20 mA
Output pulse voltage	9 ÷ 24 Vdc
Terminations	
Maximum cable cross-section	6 mm²
Mechanical features	
Protection degree	IP20 IP51 (on the front)
Overall dimensions	
Height (A)	87 mm
Width (B)	36 mm
Depth (C)	65 mm

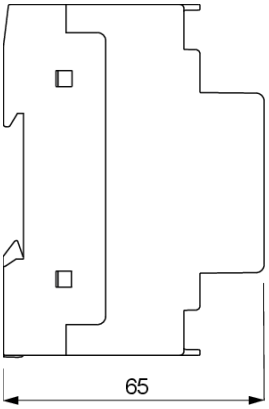
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Dimensions

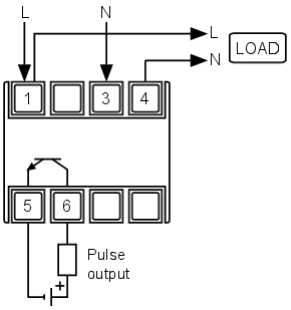
Front View



Side View



Wiring diagram



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Remote control

Fully manageable via smartphone and tablet app

Energy Wi-Fi

Energy Wi-Fi is a smart app designed to monitor home energy consumption in a simple, accurate, and fully remote manner. Via a Wi-Fi connection, the app interfaces with smart devices, such as energy meters and control relays, enabling the measurement and recording of electricity consumption in single-phase and three-phase systems.
Thanks to its intuitive interface, users can monitor key consumption metrics in real time, view graphs, and access management features directly from their smartphone or tablet, no matter where they are.

App features

• **Operating status**
Allows checking the operating status of devices.

• **Alarm notifications**
Allows setting alarm notifications (e.g. exceeding preset thresholds) to be notified by email or via push notification (Premium version only).

• **Device transfer**
Allows transferring device control from one user to another (Premium version only).

• **Record download**
Allows downloading a file with the history of consumption recorded by the device (Premium version only).

• **Consumption details**
Allows viewing recorded consumption of devices with hourly, daily, and monthly grouping (Premium version only).

Reference standards

Compliance with Community Directives:

• 2014/53/UE (RED) • 2011/65/UE e 2015/863/UE (ROHS)

is declared with reference to the following Standards:

• EN 61010-1 • EN 50470-1 • EN 50470-3 • EN 62479 • ETSI EN 300 328 • ETSI EN 301 489-1 • ETSI EN 301 489-17 • EN 18031-1 • EN IEC 63000

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