

Expert Net Control 2314-1



3

Remote rack monitoring system with 3 switchable relay outputs for DIN-rail mounting



Expert Net Control 2314-1
Remote rack monitoring with
3 switchable relay outputs

Features

- 3 switchable, potential-free relay outputs, switching voltage 230 V AC 16 A
- Precise metering of energy, current, power factor, phase angle, frequency, voltage and active / apparent / reactive power per output
- 2 energy meters per output, one meter continuously, the other resettable
- A clearly visible LED display for total current, IP address, sensor data and error reports
- Each relay output can be switched via HTTP(S), SNMP, ModbusTCP or command line interface via Telnet, SSH and MQTT
- Status and Power-up delay (0...9999 seconds) adjustable individually for each output after power blackout
- Simultaneous power-up of multiple outputs prevented by latency time of 1 second
- 3-channel watchdog to monitor connected consumers (ICMP/TCP)
- Bicoloured LEDs on front panel display status information of relay outputs
- Interface for plug-n-play cable sensors for environmental monitoring (temperature and humidity)
- Programmable turn-on/turn-off sequence
- Comfortable configuration by web browser, Windows or Linuxtool
- Firmware update via Ethernet during operation
- Generation of status messages and alarms (e-mail, syslog, SNMP traps MQTT, SSH, Telnet)
- Encrypted e-mails (SSL, STARTTLS)
- Encrypted communication via SSL (TLS 1.1, 1.2, 1.3) and SSH
- Password protected access
- IPv6-ready
- Convenient control on the go via free GUDE Control app (Android- und iOS)
- Low power consumption, max. 3 W
- Developed and manufactured in Germany

Electrical Connections

- Terminal clamps for power supply with 12-24 V AC/DC voltage
- 3 switchable outputs (terminal clamps for phases)
- Ethernet connector RJ45 (10/100 Mbit/s)
- Sensor port RJ45 for plug-n-play cable sensors

Technical Details

- LxHxD: 10.5 x 7 x 9 cm
- Weight: ca. 280 g
- Operating temperature: 0-50 °C
- Storage temperature: -20 - 70 °C
- Relative humidity: 0 - 95 % (non-condensing environment)

Order code	Product	Feature	Power supply
2314-1	Expert Net Control 2314-1	3 switchable outputs, 1 sensor interface, 3-phase metering of electrical dimensions	External power supply unit 12-24 V AC/DC
7104	Temperature Sensor 7104	Cable sensor, RJ45 connector, -20°C to +80°C, cable ca. 2.3 m	
7105	Temp., Humidity Sensor 7105	Cable sensor, RJ45 connector, -20°C to +80°C, 0-90% humidity, cable ca. 2.3 m	
7106	Temp., Humidity, Air pressure Sensor 7106	Cable sensor, RJ45 connector, 20°C to +80°C, 0-90% humidity, 300-1100 hPa, cable ca. 2.3 m	



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