Expert Net Control 2304-1 new

Remote I/O with 8 switchable relay outputs and 8 passive signal inputs for the DIN rail

Features

- 8 switchable, potential-free relay ouputs, switching voltage 230 V AC 16 A / 24 V DC, 10 A
- All relay outputs individually switchable directly on the device, via HTTPS, SNMP or command line tool
- 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
- Programmable turn-on/turn-off sequence
- Switching of relay outputs dependent on sensor threshold or inputs possible
- 8-channel watchdog to monitor connected consumers (ICMP/TCP)
- 8 passive signal inputs for monitoring NO and NC devices, e.g. door contacts, smoke detectors etc.
- Interface for plug-n-play sensors for environmental monitoring (temperature, humidity and air pressure)
- Messages by e-mail, Syslog and SNMP traps, Telnet, SSH and MQTT depending on threshold values of sensor metering and signal input as well
- LED display for total current, IP address, sensor data and error reports
- Bicoloured LEDs display status information of inputs/outputs
- Comfortable configuration by web browser, Windows or Linux tool
- Firmware update via Ethernet during operation
- IPv6-ready
- HTTP/HTTPS, e-mail (SSL, STARTTLS), DHCP, Syslog
- SNMPv1, v2c, v3 (Get/Traps)
- TLS 1.1, 1.2, 1.3
- Radius, Modbus TCP and MQTT 3.1.1 support
- Configuration and control via SSH and Telnet
- IP Access Control List
- Android and iOS app *Gude Control* allows access from anywhere
- Compact housing for easy mounting on top-hat rail
- Low internal power consumption
- Developed and manufactured in Germany

Expert Net Control 2304-1: Connection of a wide range of NO/NC devices and sensors

Electrical Connections

- Operation with 230 V AC or 30 V DC voltage possible (terminal clamp)
- 8 switchable outputs (terminal clamp)
- 8 passive signal inputs (terminal clamp)
- Ethernet connector RJ45 (10/100 Mbit/s)
- Sensor connector RJ45 for plug-n-play sensors

Technical Details

- LxHxD: 143 x 65 x 90 mm
- Weight: ca. 400 g
- Operating temperature: 0-45 °C
- Storage temperature: -20 - 70 °C
- Relative humidity: 0 - 95 % (non-condensing environment)

☑ IPv6　☑ SSH
☑ HTTPS　☑ SNMPv3
☑ SSL　☑ Modbus TCP
☑ Telnet　☑ MQTT

Order code	Product	Feature	Power supply
2304-1	Expert Net Control 2304-1	8 switchable outputs, 8 passive signal inputs, 1 sensor port	230 V AC or 24 V DC
7101	Temperature Sensor 7101	Cable sensor with splash-proof sensor head (IP64), RJ45 connector, -20°C to +80°C, cable ca. 2.3 m	
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	

*Sensors also available with calibrated temperature range: 7104-2, 7105-2, 7106-2

Order code	Product	Feature	Power supply
7202	Temp./Humidity Sensor 7202	Box case with RJ45 socket, -20°C to +80°C, 0-90% humidity	
7311	Optical Smoke Detector 7311	Overhead installation (d=100 mm), screw terminal NO or NC	
7312	Thermal Smoke Detector 7312	Overhead installation (d=100 mm), screw terminal NO or NC	
7313	Leakage Point Sensor 7313	13 mm two-tined, detects flooding, 4-core wire (2.5 m)	
7940	Comb. Signaling Device 7940	Optical/acoustic alarm device, 100 dB sound pressure, 3-core connection cable (0.4 m)	