

Expert Net Control 2111 / 2191 Series

new

Monitoring system with 4 relay outputs and 12 passive signal inputs and GSM connectivity (2191)

Features

- 4 switchable, potential-free relay outputs with change-over connectors (NO and NC), high switching voltage 36 V, 3 A
- Relays dispose of high contact reliability also at very small loads
- 12 passive inputs for monitoring NO and NC devices, e.g. door contacts, smoke detectors, leakage sensors etc.
- Each signal input includes a 12 V connector for supply of NO/NC devices
- 4-channel watchdog for monitoring connected consumers (ICMP/TCP)
- 4 interfaces for optional sensors for environmental monitoring (temperature, humidity and air pressure)
- Messages by e-mail, Syslog and SNMP traps depending on threshold values of sensor metering and signal inputs
- A clearly visible LED display for total current, IP address, sensor data and error reports
- LED display for status of power supply, inputs/outputs and GSM (**2191**)
- 2 inputs for redundant power supply (12 V DC) via 2 external power supply units (one included in delivery)
- For **2111-2 / 2191-2** additional power supply by Power-over-Ethernet (PoE) possible
- 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 1.0, 1.1, 1.2
- Radius and Modbus TCP protocol supported
- Configuration and control over Telnet
- Access control via IP Access Control List
- Android and iOS app Gude Control allows access from anywhere (without SSL)
- Low power consumption
- Developed and manufactured in Germany

Electrical Connections

- 2 sockets for external power supply units (PTR multiconnector, 2-fold)
- 4 switchable outputs (PTR multiconnector, 3-fold)
- 12 passive signal inputs (PTR multiconnector, 3-fold)
- 4 sensor connectors RJ45 for optional sensors (temperature, humidity and air pressure)
- Ethernet connector RJ45 (10/100 Mbit/s), for **2111-2 / 2191-2** as additional power supply by Power-over-Ethernet (PoE)
- Connector for GSM antenna (antenna included in delivery) (**2191**)
- Slot for SIM card (**2191**)

Technical Details

- Powdered steel case, LxHxD: 139 x 91 x 35 mm
- Comfortable DIN rail mounting by optional mounting clip
- Weight: ca. 440 g
- Operating temperature: 0-50 °C
- Storage temperature: -20 - 70 °C
- Relative humidity: 0 - 95 % (non-condensing environment)

IPv6, SSL,
SNMPv3 & Telnet

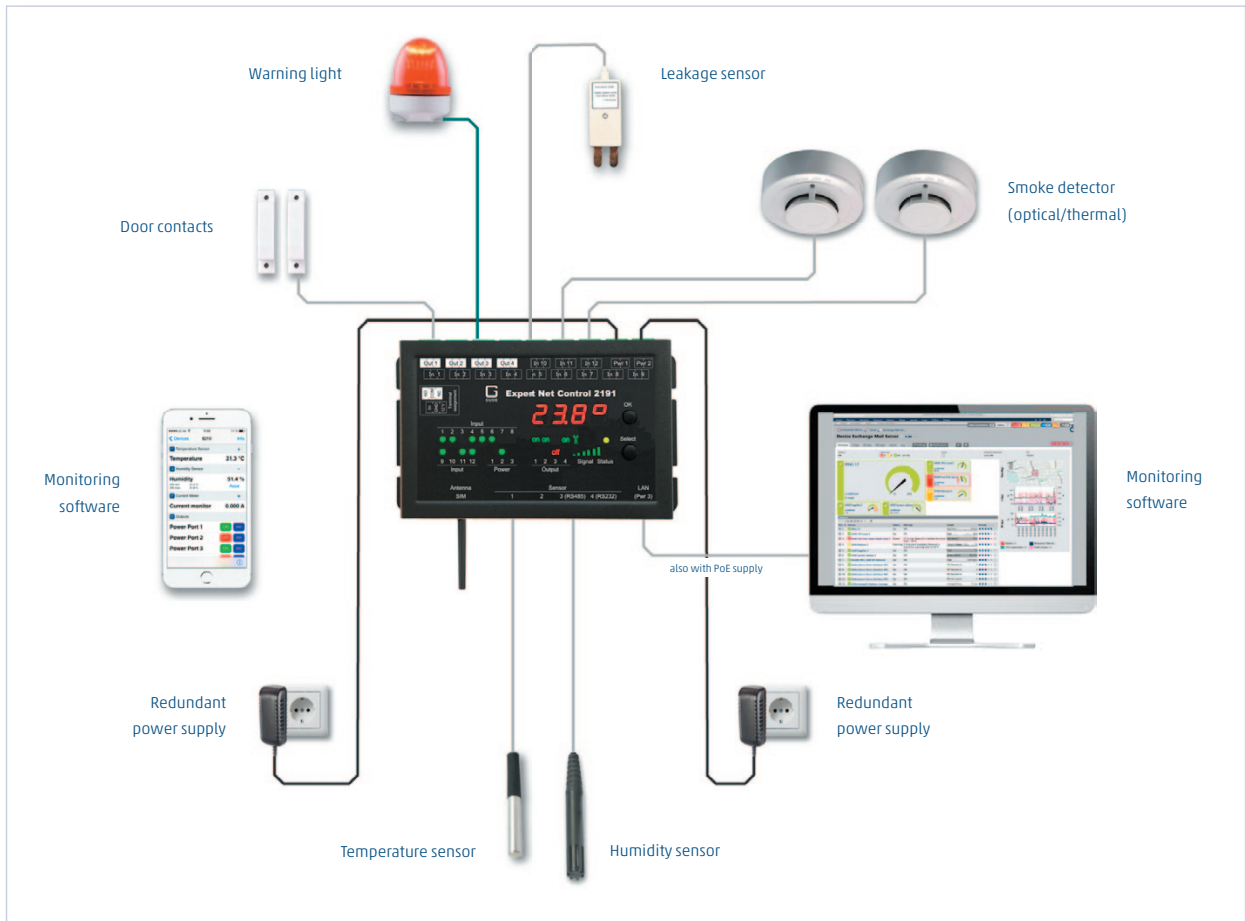


Terminal connectors of Expert Net Control 2111 / 2191 Series



GSM Features of Expert Power Control 2191 Series

- Quadband GSM module
- Control via voicecall, SMS and Datacall
- GSM user access for all ports configurable
- FreeCall: Predefined action upon toll-free incoming call from a specific number
- GSM antenna included in delivery
- For pre-paid and post-paid SIM cards (SIM card not included)



Application scenario of Expert Net Control 2191 Series

also with PoE supply

Order code	Product	Feature	Power supply
2111-1	Expert Net Control 2111-1	4 switchable outputs, 12 passive signal inputs, 4 sensor ports	Ext. power supply unit 12 V
2111-2	Expert Net Control 2111-2	4 switchable outputs, 12 passive signal inputs, 4 sensor ports	Ext. power supply unit 12 V or Power-over-Ethernet
2191-1	Expert Net Control 2191-1	4 switchable outputs, 12 passive signal inputs, 4 sensor ports, GSM module, GSM antenna enclosed in delivery	Ext. power supply unit 12 V
2191-2	Expert Net Control 2191-2	4 switchable outputs, 12 passive signal inputs, 4 sensor ports, GSM module, GSM antenna enclosed in delivery	Ext. power supply unit 12 V or Power-over-Ethernet
7101	Temperature Sensor 7101	-20°C to +80 °C	
7102	Temp./Humidity Sensor 7102	-20°C to +80°C / 0-90% humidity	
7103	Air pressure/Temp./Humidity Sensor 7103	300-1100 hPa / -20°C to +80°C / 0-90% humidity	
7201	Temperature Sensor 7201	Box case with RJ45 socket, -20°C to +80°C	
7202	Temp./Humidity Sensor 7202	Box case with RJ45 socket, -20°C to +80°C / 0-90% humidity	
7203	Air pressure/Temp./Humidity Sensor 7203	300-1100 hPa / -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 Sensor 7313	13 mm two-tined, detects flooding, operations at 12 V	
7901	Power Supply Unit 7901	12 V DC, 500 mA, plug for 2.1 mm pin, included in delivery	
0860	DIN rail mounting clip 0860	Plastic clip for easy installation on DIN rails	