**Remote Monitoring Systems & LAN Sensors**

**04/2019**

---

**GUDE Systems GmbH**
**Von-der-Wettern-Str. 23**
**51149 Koeln • Germany**
**T +49.221.912 90 97**
**F +49.221.912 90 98**

---

**Remote Monitoring Systems & LAN Sensors**

---

**Expert Net Control 2302-1**

Remote I/O System with 4 switchable relay outputs and 8 passive signal inputs for DIN-rail mounting

**Features**

- 4 switchable, potential-free relay outputs, switching voltage 230 V AC 16 A / 24 V DC, 10 A
- All relay outputs individually switchable directly on the device, via HTTPS 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
- Switching of relay outputs dependent on sensor threshold or inputs possible
- Programmable turn-on/turn-off sequence
- 4-channel watchdog to monitor connected consumers (ICMP/TCP)
- Bicoloured LEDs on front panel display status information of inputs/outputs
- 8 passive signal inputs for monitoring NO and NC devices, e.g. door contacts, smoke detectors etc.
- Interface for optional sensor 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 input as well
- Power supply also via external DIN rail unit 7902 possible (not included in delivery)
- 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

**Order code**

<table>
<thead>
<tr>
<th>Product Feature</th>
<th>Power supply</th>
</tr>
</thead>
<tbody>
<tr>
<td>2302-1 Expert Net Control 2302-1</td>
<td>4 switchable outputs, 8 passive signal inputs, 1 sensor port</td>
</tr>
</tbody>
</table>

**Order code**

<table>
<thead>
<tr>
<th>Order code</th>
<th>Product Feature</th>
<th>Power supply</th>
</tr>
</thead>
<tbody>
<tr>
<td>7101</td>
<td>Temperature Sensor 7101</td>
<td>Cable sensor with splash-proof sensor head (IP64), RJ45 connector, -20°C to +80°C, cable ca. 2.3 m</td>
</tr>
<tr>
<td>7104 *</td>
<td>Temperature Sensor 7104</td>
<td>Cable sensor, RJ45 connector, -20°C to +80°C, cable ca. 2.3 m</td>
</tr>
<tr>
<td>7105 *</td>
<td>Temp., Humidity Sensor 7105</td>
<td>Cable sensor, RJ45 connector, -20°C to +80°C, 0-90% humidity, cable ca. 2.3 m</td>
</tr>
<tr>
<td>7106 *</td>
<td>Temp., Humidity, Air pressure Sensor 7106</td>
<td>Cable sensor, RJ45 connector, 20°C to +80°C, 0-90% humidity, 300-1100 hPa, cable ca. 2.3 m</td>
</tr>
</tbody>
</table>

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

**Technical Details**

- LxHxD: 10.5 x 7 x 9 cm
- Weight: ca. 300 g
- Operating temperature: 0-50 °C
- Storage temperature: -20 - 70 °C
- Relative humidity: 0 - 95 % (non-condensing environment)

**Electrical Connections**

- Terminal clamps for power supply with 230 V AC or 24 V DC
- 4 switchable outputs (terminal clamp)
- 8 passive signal inputs (terminal clamp)
- Ethernet connector RJ45 (10/100 Mbit/s)
- Sensor connector RJ45 for optional sensors or serial interface (RS232)

---

**GUDE Systems GmbH**
**Von-der-Wettern-Str. 23**
**51149 Koeln • Germany**
**mail@gude.info**
**www.gude.info**
**shop.gude.info**
**T +49.221.912 90 97**
**F +49.221.912 90 98**