Expert Sensor Box 7213 / 7214 Series

new

Stand-alone LAN Sensor for remote monitoring of temperature, relative humidity and air pressure

Features

- Integrated temperature sensor (**7213-1**, **-11** and **7214-1**, **-11**)
- Integrated temperature, humidity sensor (**7213-2**, **-12** and **7214-2**, **-12**)
- Integrated temperature, humidity sensor, air pressure (**7213-3**, **-13** and **7214-3**, **-13**)
- For **7213-11**, **-12**, **-13** and **7214-11**, **-12** , **-13**: Additionally to power supply over external supply unit also Power-over-Ethernet (PoE) possible
- Switchable, potential-free relay output with change-over connectors (NO and NC), high switching voltage 36 V, 3 A (*)
- Relay disposes of high contact reliability also at very small loads (*)
- Passive signal input for monitoring NO and NC devices, e.g. smoke or leakage sensors and door contacts (*)
- Switching of relay output dependent on sensor threshold and input possible (*)
- Signal input includes a 12 V connector for supply of NO/NC devices (*)
- 1-channel watchdog for monitoring connected consumers (ICMP/TCP) (*)
- 2 inputs for redundant power supply (12 V DC) by external power supply units (*)
- Messages by e-mail, Syslog and SNMP traps depending on threshold values of sensor metering and for **7214 Series** for signal input as well
- Comfortable configuration by web browser, Windows or Linux tool
- Firmware update over Ethernet during operations (without reboot of device)
- HTTP/HTTPS, e-mail (SSL, STARTTLS), DHCP, Syslog

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

- IPv6-ready
- SNMPv1, v2c, v3 (Get/Traps)
- TLS 1.0, 1.1, 1.2
- Radius and Modbus TCP support
- Configuration and control via Telnet
- IP Access Control List
- Android and iOS app *Gude Control* allows access from anywhere
- Low internal power consumption
- Sturdy metal housing of significant manufacture
- Developed and manufactured in Germany

Expert Sensor Box 7214 Series



Order code	Product	Features:	T	TH	THP	R	S	Se	Connector 12 V power supply	Power-over-Ethernet
7213-1	Expert Sensor Box 7213-1		1					2	1	
7213-2	Expert Sensor Box 7213-2			1				2	1	
7213-3	Expert Sensor Box 7213-3				1			2	1	
7213-11	Expert Sensor Box 7213-11		1					2	1	x
7213-12	Expert Sensor Box 7213-12			1				2	1	x
7213-13	Expert Sensor Box 7213-13				1			2	1	x
7214-1	Expert Sensor Box 7214-1		1			1	1	2	2	
7214-2	Expert Sensor Box 7214-2			1		1	1	2	2	
7214-3	Expert Sensor Box 7214-3				1	1	1	2	2	
7214-11	Expert Sensor Box 7214-11		1			1	1	2	2	x
7214-12	Expert Sensor Box 7214-12			1		1	1	2	2	x
7214-13	Expert Sensor Box 7214-13				1	1	1	2	2	x

T = Integrated temperature sensor
TH = Integrated temperature, humidity sensor
THP = Integrated temperature, humidity, air pressure sensor
R = Switchable relay output
S = Passive signal input
Se = Sensor interface

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made in Germany

Electrical Connections

- Socket for external power supply unit (PTR multiconnector, 2-fold); one unit included in delivery
- Socket for additional external power supply unit (PTR multiconnector, 2-fold) (*)
- Switchable output (PTR multiconnector, 3-fold) (*)
- Passive signal input (PTR multiconnector, 3-fold) (*)
- 2 sensor connectors RJ45 for optional sensors for temperature, humidity and air pressure
- Ethernet connector RJ45 (10/100 Mbit/s) (for **7213-11**, **-12**, **-13** and **7214-11**, **-12**, **-13** also for supply by Power-over-Ethernet)

(*) Features of **Expert Sensor Box 7214 Series**

Technical Details

- Powdered steel case, LxHxD: 100 x 90 x 34 mm (including brackets, without sensor pipe)
- Plastic sensor pipe, length: 94 mm, diameter: 15 mm
- Weight: ca. 300 g
- Comfortable DIN rail mounting and freely selectable device orientation by optional **Mounting Clip 0860**
- Operating temperature device: 0-50 °C
- Operating temperature sensor pipe: -20 - 80 °C
- Storage temperature: -20 - 70 °C
- Relative humidity: 0 - 95 % (non-condensing environment)
- Measuring range air pressure: 300-1000 hPa
- Measuring accuracy:

Temperature	typical	Humidity	typical
-20 - 80 °C	±0,3 °C	0 -100 %	±3 %
5 - 60 °C	±0,2 °C	10 - 80 %	±2 %

with redundant power supply and PoE available



Expert Sensor Box 7213 Series



Topside of **Expert Sensor Box 7214 Series**:
PTR multiconnectors for relays output, signal input and redundant power supply

Order Code	Product	Feature
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		
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
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 **	Combined Signaling Device 7940	Optical/acoustic alarm device, 100 dB sound pressure, 3-core connection cable (0.4 m)
** compatible only to Expert Sensor Box 7214 Series		
7903	Power Supply Unit 7903	12 V DC, 1 A, 2-fold PTR multiconnector, included in delivery
0860	DIN Rail Mounting Clip 0860	Plastic clip for easy installation on DIN rails

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