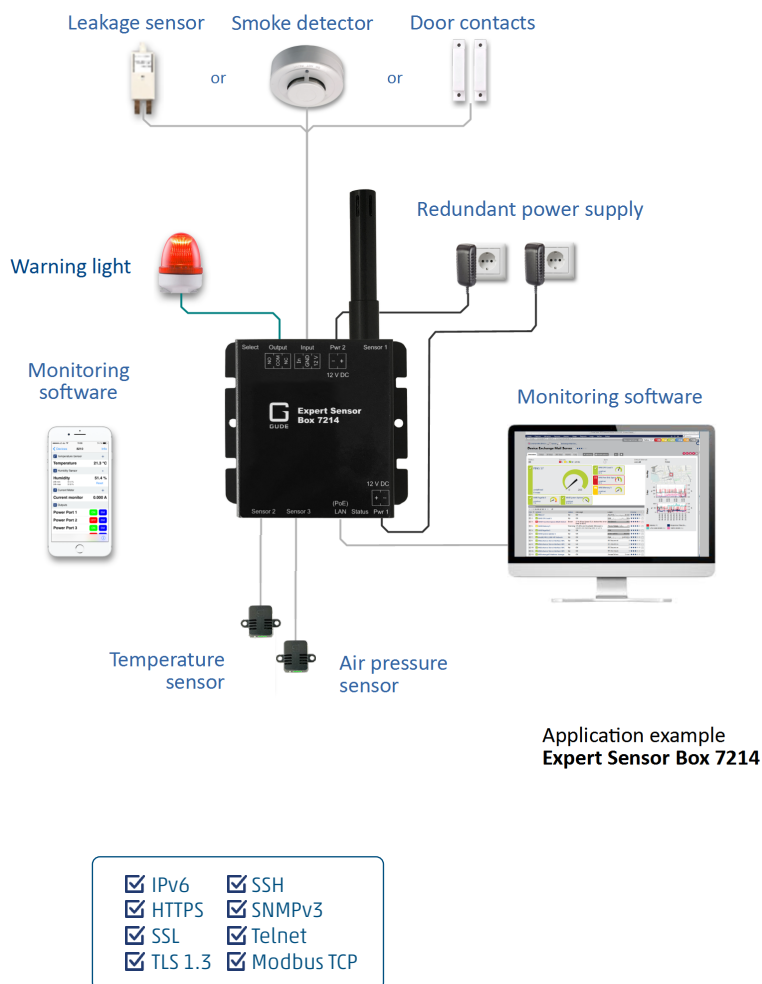


Expert Sensor Box 7213 / 7214 Series

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

Features

- Integrated temperature sensor (7213-1 and 7214-1)
- Integrated temperature, humidity sensor (7213-12 and 7214-12)
- Integrated temperature, humidity sensor, air pressure (7213-3, -13 and 7214-3, -13)
- For 7213-12, -13 and 7214-12, -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)



Application example
Expert Sensor Box 7214

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

TH = Integrated temperature, humidity sensor

THP = Integrated temperature, humidity, air pressure sensor

R = Switchable relay output

S = Passive signal input

Se = Sensor interface

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 **7213-12**, **-13** and **7214-12**, **-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



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

Order Code	Product	Feature
7205	Temperature Sensor 7205	Plug-and-Play Sensor with RJ45 connector, 20°C to +80°C, 0-90% humidity
7206	Temp., Humidity, Air pressure Sensor 7206	Plug-and-Play S Sensor with RJ45 connector, 20°C to +80°C, 0-90% humidity, 300-1100 hPa
7209	Temp., Humidity, Signal Input Sensor 7209	Plug-and-Play Sensor with RJ45 connector, 20°C to +80°C, 0-90% humidity, 2 passive signal inputs
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)
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

* compatible only to Expert Sensor Box 7214 Series