

Expert Sensor Box 7213 / 7214 Series

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

Features

- Integrated temperature, humidity sensor (**7213-12** and **7214-12**)
- Integrated temperature, humidity, air pressure sensor (**7213-13** and **7214-13**)
- Power-over-Ethernet (PoE) in addition to external power supply
- 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
- Access protection by IP access control
- Support for the 802.1X standard for port authentication in the network
- Comfortable configuration by web browser, Windows or Linux tool
- Firmware update over Ethernet during operations (without reboot of device)
- Supports IPv6, Telnet, Modbus TCP and Radius
- HTTP/HTTPS, e-mail (SSL, STARTTLS), DHCP, Syslog

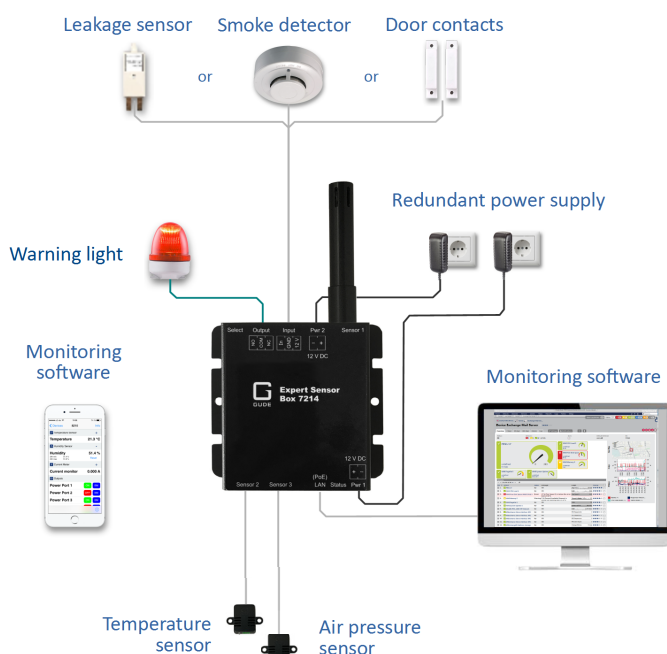
4 Key Benefits

1 Demonstrably fewer and shorter outages of your critical IT and AV infrastructure

2 Detect AV and IT problems at an early stage: Proactive power and environment monitoring

3 Fast integration thanks to free and reliable drivers from our technology partners

4 Use it anywhere: Compact housing meets quick and easy deployment with API interface: REST API, https, SNMP, Telnet and MQTT



Application example of **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)

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

Technical Details

- Powdered steel case, LxHxD: 3.94 x 3.54 x 1.34 in (including brackets, without sensor pipe)
- Plastic sensor pipe, length: 3.70 in, diameter: 0.59 in
- Weight: ca. 10.58 oz
- Comfortable DIN rail mounting and freely selectable device orientation by optional **Mounting Clip 0860**
- Operating temperature device: 32 to 122 °F
- Operating temperature sensor pipe: -4 - 176 °F
- Storage temperature: 4 to 158 °F
- Relative humidity: 0 - 95 % (non-condensing environment)
- Measuring range air pressure: 300-1000 hPa
- Measuring accuracy:

Temperature	typical	Humidity	typical
-4 - 176 °F	±32.5 °F	0 - 100 %	±3 %
41 - 140 °F	±32.4 °F	10 - 80 %	±2 %

with redundant power supply and PoE



Expert Sensor Box 7213



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

Accessories

Order Code	Product	Feature
7205	Temperature Sensor 7205	Plug-and-Play Sensor with RJ45 connector, 68°F to +176°F, 0-90% humidity
7206	Temp., Humidity, Air pressure Sensor 7206	Plug-and-Play S Sensor with RJ45 connector, 68°F to +176°F, 0-90% humidity, 300-1100 hPa
7209	Temp., Humidity, Signal Input Sensor 7209	Plug-and-Play Sensor with RJ45 connector, 68°F to +176°F, 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 to Expert Sensor Box 7214 Series