

Pressure sensor 0-16 bar for liquid media

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 Connection G 1/4 inch, DC 24 V, output signal 4 - 20 mA

Order number:	010.17421
Order code:	Drucksensor 0-16 bar für flüssige Medien

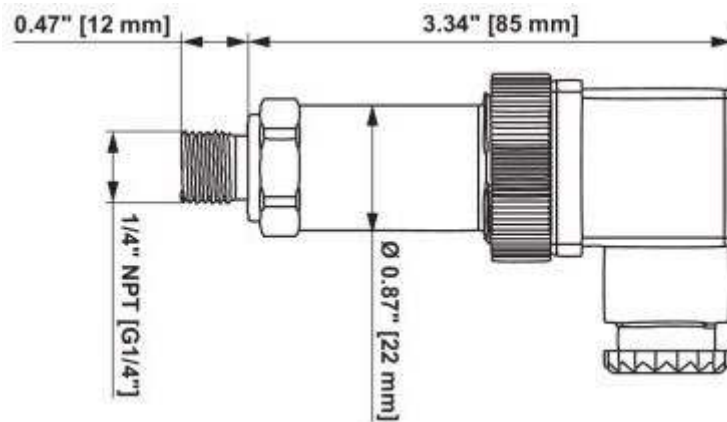


Overview:

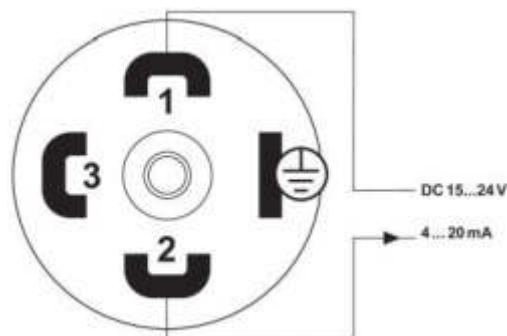
Active sensor (4 ... 20 mA) for pressure detection in HVAC systems. The sensor is suitable for water and water / glycol mixtures. The housing is made of stainless steel and is NEMA 4 / IP65 compliant.

Measuring range pressure	Output signal active pressure	Overload range	Burst pressure
0...16 bar	4...20 mA	32 bar	48 bar

Dimensions:



Connection diagram:



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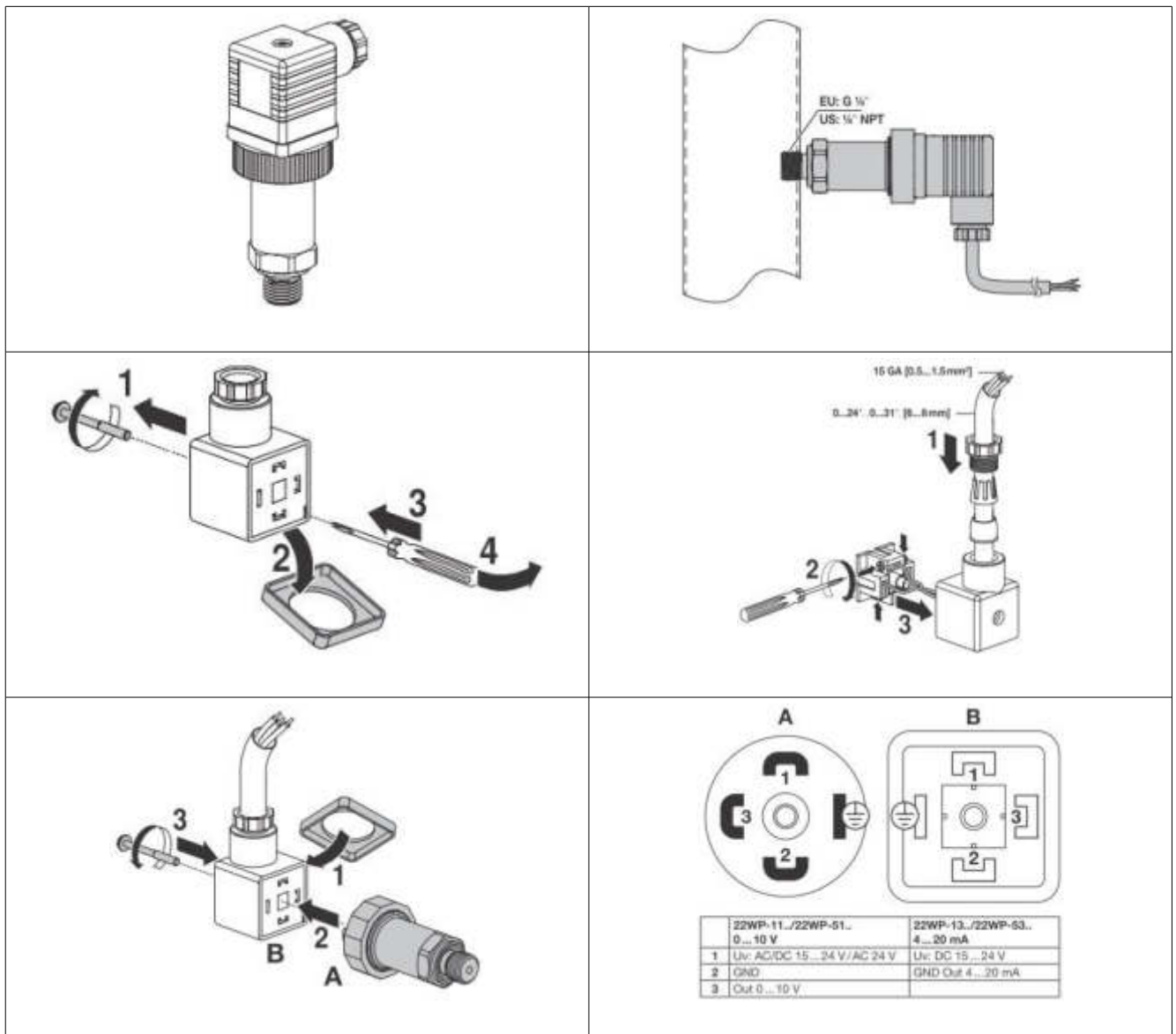
Safety instructions:

This device is designed for use in stationary heating, ventilation and air conditioning systems and must not be used for applications outside the specified area of application. Unauthorized modifications are prohibited. The device must not be used in combination with other equipment that can injure people, animals or property in the event of a malfunction.

It must be ensured that the power supply is not connected when the device is installed. Do not connect to running devices.

The installation must be carried out by authorized specialist personnel. The legal and official regulations must be observed. The device contains electrical and electronic components and must not be disposed of as domestic waste. The local and currently valid legislation must be observed.

Assembly Instructions:



The assembly instructions are divided into six panels:

- Top Left:** A perspective view of the pressure sensor.
- Top Right:** A diagram showing the sensor being mounted into a panel. It specifies thread types: "EU: G 1/2" and "US: 1/2" NPT".
- Middle Left:** A diagram showing the removal of the top cover. Step 1: Turn the cover counter-clockwise. Step 2: Lift the cover. Step 3: Use a screwdriver to pry the cover away from the sensor body. Step 4: Remove the cover.
- Middle Right:** A diagram showing the installation of the sensor into the cover. Step 1: Push the sensor into the cover. Step 2: Tighten the cover. Step 3: Tighten the sensor. A cable with a 15 GA (0.5...1.5mm) diameter and length of 0.24' (0.31' [8.8mm]) is shown.
- Bottom Left:** A diagram showing the sensor being inserted into the cover. Step 1: Insert the sensor. Step 2: Tighten the sensor. Step 3: Tighten the cover. The cover is labeled 'B' and the sensor is labeled 'A'.
- Bottom Right:** Two wiring diagrams, A and B, and a table of electrical specifications.

22WP-11../22WP-51..	22WP-13../22WP-53..
0...10 V	4...20 mA
1 Uv: AC/DC 15...24 V/AC 24 V	Uv: DC 15...24 V
2 GND	GND Out 4...20 mA
3 Out 0...10 V	

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Scope of delivery:

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Technical specifications:

Intrastat Number:	8537.10.91.90
Country of origin	EU/AT
Height, width, depth (in mm)	97x22x50
Weight (in kg)	0,12
DC power supply	15 ... 24 V, $\pm 10\%$, 0.5 W
Electrical connection	Connector for wire 0.5 ... 1.5 mm ²
Cable entry	MVS connector according to DIN EN175301-803 / type A
Sensor technology	Strain gauges on precious metal
Output signal active Note	Max. Load (U _b -12V) / 20 mA
Mechanical connection	Pressure plug: G1 / 4 "
Application	Water; Water / glycol mixture
Response time	Max. 2 ms
Readings	Gauge pressure
Accuracy pressure	$\pm 0.5\%$ FS @ 25 ° C
Total error for end temperatures	at maximum temperatures -40 ° C: $\leq 2\%$ FS 105 ° C: $\leq 2\%$ FS
Housing seal	FKM fluororubber, silicone-free
Casing	stainless steel 1.4301
Ambient humidity	Max. 95% r.H., non-condensing
Ambient temperature	-40 ... 105 ° C [-40 ... 220 ° F]
Medium temperature	-40 ... 125 ° C [-40 ... 255 ° F]
Protection class IEC / EN	III protective extra low voltage (PELV)
EU conformity	CE marking
IEC / EN certification	IEC / EN 60730-1
Degree of protection IEC / EN	IP65
Degree of protection NEMA / UL	NEMA 4
Quality standard	ISO 9001