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DATA SHEET

VPL

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WATER PRESSURE TRANSMITTER VPL 16

Water pressure transmitter VPL 16 is designed to detect pressures at the HVAC automation systems. The pressure is measured with ceramic sensor element. Allowed mediums are water, water/glycol mixtures, air and oils.

Output is directly proportional to the pressure inside the pipeline. Material of wetted parts is stainless steel (AISI 303) and housing for electrical connections is made of heat resisting plastics.

When the transmitter is connected to the cold / chilled water circuit, condensation on the sensor must be prevented. The condensation can be prevented by installing the transmitter far enough from the cold pipe, for example.

The range for measuring can be chosen at commissioning. The cover with display can be added afterwards. The socket for display is ready installed on the card.

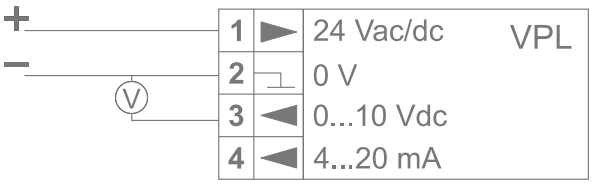
ATTENTION!
Device may be damaged by overpressure if installation is made against fluid and closed valve.

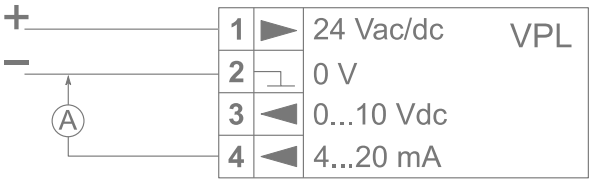
IMPORTANT: If the red indicator light turns on, the device is defective and must be replaced.

Measuring range selection:

S1	S2	Range (bar)
●●	●●	0…2,5
■	●●	0…6
●●	■	0…10
■	■	0…16

Wiring







Technical data:

Supply	24 Vac/dc, 1 VA
Ranges	0...2,5 bar 0...6,0 bar 0...10 bar 0...16 bar
Mounting	R ½”
Outputs	0...10 Vdc, < 2 mA 4...20 mA, < 800 Ω
Inaccuracy	< 0,1 bar
Temperature drifting	< ± (0,04 bar + 0,2 % of span) / 10 K
Long term stability	< 0,2 bar / year
Operating conditions	
humidity	non-condensing
temperature	0…+60 °C
Allowed medium temp.	0…+85 °C
Max. overpressure	50 bar
Max. negative pressure	1 bar
Protection class	IP54, cable gland or sensor down
Tool	27 mm
Materials	
wetting parts	AISI 303 (stainless)
housing	heat resisting plastic

Ordering guide:

Model	Product number	Description
VPL 16	1134050	water pressure transmitter ranges 0-2.5, 0-6, 0-10 or 0-16 bar
VPL 16-N	1134051	water pressure transmitter with display

Products fulfil the requirements of directive 2014/30/EU and are in accordance with the standards EN61000-6-3 (Emission) and EN61000-6-2 (Immunity).

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