

WATER PRESSURE TRANSMITTER VPL 60

Water pressure transmitter VPL 60 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!

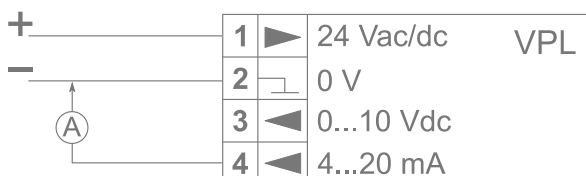
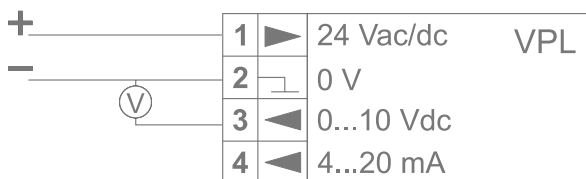
Device may be damaged by overpressure if installation is made against fluid and closed valve.

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

Measuring range selection:

S1	S2	Range (bar)
●●	●●	0...16
■	●●	0...25
●●	■	0...40
■	■	0...60

Wiring



Technical data:

Supply	24 Vac/dc, 1VA
Range	0...16 bar 0...25 bar 0...40 bar 0...60 bar
Mounting	R 1/2"
Outputs	0...10 Vdc, < 2 mA 4...20 mA, < 800 Ω
Inaccuracy	< ±0,5 bar
Temperature drifting	< ± (0,10 bar + 0,2 % of span) / 10 K
Long term stability	< ±0,3 bar / year
Operating conditions	humidity non-condensing temperature 0...+60 °C
Allowed medium temp.	0...+85 °C
Max. overpressure	120 bar
Max. negative pressure	1 bar
Protection class	IP 54, cable gland or sensor down
Tool	27 mm
Material	wetting parts AISI 303 (stainless) housing heat resisting plastic

Ordering guide:

Model	Product number	Description
VPL 60	1134030	water pressure transmitter range 0-16, 0-25, 0-40 or 0-60 bar
VPL 60-N	1134031	water pressure transmitter with display

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