

# NCSPGW1 Water Pressure Transmitter



## Product Description

### Water Pressure Transmitter

Water pressure transmitter NCSPGW1 is designed to detect the pressures at HVAC applications, such as water, heating, air-conditioning and refrigeration systems. Outputs (0-10VDC or 4-20mA) are directly proportional to the pressure inside the pipeline.

### Application

Pressure sensor element is made by using ceramic technics. Allowed mediums are water, air, oils and glycol/water mixtures. Material of wetted parts is stainless steel (AISI 303) and housing for electrical connections is made of heat resisting plastics.

### Installation

When the transmitter is connected to the cold / chilled water circuit, condensation on the sensor must be prevented. The range for measuring can be chosen at commissioning.

### Attention

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

## Ordering Codes

NCSPGW1

Water Pressure Transmitter

## Features & Benefits

- ▶ Water Pressure Transmitter
- ▶ Designed for Pressure Detection in Cooling and Heating Systems
- ▶ Four Selectable Pressure Ranges up to 16 Bar
- ▶ Selectable Output Types
- ▶ IP54 Enclosure

## Technical Information

<b>Pressure Ranges</b>	(selectable at commissioning) 0 ... 2.5 Bar 0 ... 6 Bar 0 ... 10 Bar 0 ... 16 Bar
<b>Outputs:</b>	3-wire transmitter; user selectable: 0-10VDC, < 2mA; 4-20mA, < 800 Ohm
<b>Power Supply:</b>	24 VAC/DC, 1 VA; 22 ... 28 VAC/DC
<b>Inaccuracy:</b>	< 0.1 Bar
<b>Long Term Stability:</b>	< 0.2 Bar / year
<b>Operating Environment:</b>	0 ... 60 °C, 10 ... 90 % RH (non-condensing)
<b>Allowed Medium Temperature:</b>	0 ... 85 °C
<b>Max. Overpressure:</b>	50 Bar
<b>Mounting:</b>	R 1/2"
<b>Material:</b>	Wetting parts: AISI 303 (stainless), ceramics; Housing: heat resisting plastic
<b>Protection Class:</b>	IP54, cable gland or sensor down

## Connection Terminals

1	24 VAC/DC supply
2	0 V
3	0-10 VDC output
4	4-20mA output