

# SpaceLogic Sensors

## Wet Pressure Transmitters

### CP Series



#### Product Description

CP Series wet pressure transmitters are used to monitor pressure in HVAC pipe systems.

The output signal is converted to a standard current or voltage signal compatible with most control systems.

The total linearity, hysteresis and repeatability is  $\pm 1\%$  F.S. (maximum). The CP Series comes standard with a 2m cable, G1/4 fitting with gasket and G1/4-G1/2 adapter.

#### Features

- High measurement accuracy
- Resistant to extreme temperatures
- Multiple ranges available
- Supports both AC and DC power supplies
- Supports both current and voltage outputs
- Ideal for liquid and neutral gas applications

#### Available Products

Part Number	Description	Range		Overload Pressure	
		bar	PSI	bar	PSI
CP-LI-PR-TR-0100	Wet Pressure Transmitter	0-1	0-14.50	2	29.01
CP-LI-PR-TR-0250	Wet Pressure Transmitter	0-2.5	0-36.26	5	72.52
CP-LI-PR-TR-0600	Wet Pressure Transmitter	0-6	0-87.02	12	174.05
CP-LI-PR-TR-1000	Wet Pressure Transmitter	0-10	0-145.04	20	290.08
CP-LI-PR-TR-1600	Wet Pressure Transmitter	0-16	0-232.06	32	464.12
CP-LI-PR-TR-2500	Wet Pressure Transmitter	0-25	0-362.59	50	725.19
CP-LI-PR-TR-4000	Wet Pressure Transmitter	0-40	0-580.15	80	1160.30

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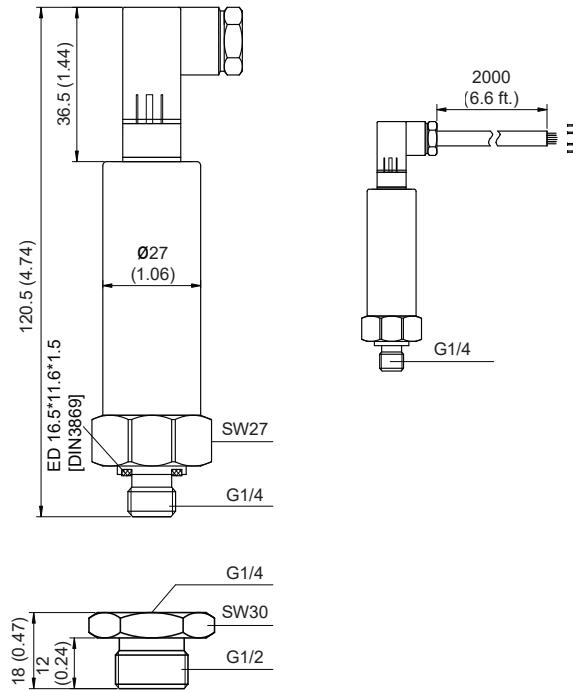
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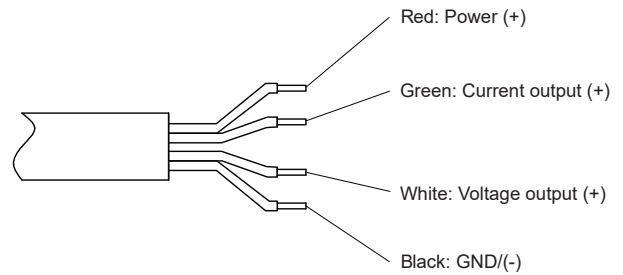
## Specifications

General	
Supply voltage	24VAC±10%/12-30VDC
Current consumption	15mA typical (for voltage output)
Output	DC power supply: 0-10V/4-20mA output AC power supply: 0-10V output
Output load	>10k ohms for 0-10V output; <(power-12)/0.023 ohms for 4-20mA output
Standard connection	2m cable
Pressure port	G1/4 male (G1/2 male if using G1/4-G1/2 adapter)
Medium compatibility	Water, neutral gas
Performance at 25°C	
Accuracy	±1% FS
Overload pressure	2*FS
Environmental	
Drift (1 year)	±0.25% FS
TC zero point	<±0.04% FS/°K (-10 to 70 °C)
TC sensitivity	<±0.04% FS/°K (-10 to 70 °C)
Medium temperature	-40 to 105 °C
Operating temperature	-20 to 85 °C
Operating humidity	0 to 95 % RH (non-condensing)
Storage temperature	-40 to 105 °C
Storage humidity	0 to 95 % RH (non-condensing)
Protection class	IP65
Materials	
Connection box	PA + 30% glass fiber
Diaphragm	Ceramic
Shell	Grade 304 stainless steel
Weight	
Weight	~ 290g
Regulatory Information	
Agency approvals	European conformance CE: EMC directive (EN61326-1) Green Premium: China RoHS 2.0 European RoHS REACH

## Dimensions mm (in.)



## Wiring



### Notes:

Choose either voltage output or current output (the AC power supply only has voltage output). The unused wire must be well protected (i.e. wrapped with electrical tape) for safety.