


# PC Series Programmable Pressure Switches

The PC200 pressure switch features dual set points, which can be configured via IO-Link. This sensor has no integral programming buttons, eliminating the possibility of local changes to the parameters. With a rugged stainless steel housing, the PC200 will perform in demanding applications where the display is not desired.

- Programmable set points through IO-Link
- Rugged 303 stainless steel housing
- NPT and G (BSPP) process connections
- Ranges up to 600 Bar
-  IO-Link



## Performance Data

Over Pressure	$\leq 2X$ full scale
Burst Pressure	$\geq 3X$ full scale
Programmable Output Type 2UPN8X	2X PNP/NPN N.O./N.C
Set Point Accuracy	$\pm 0.5\%$ full scale
Set Point Range	1 - 100% measuring range
Reset Point Range	0.5 - 99.5% measuring range
Set Point Hysteresis	$\pm 0.5\%$ full scale
Repeatability	$\leq 0.5\%$ measuring range
Temperature Coefficient Zero Point	$\pm 0.3\%$ of full scale per 10 °C
Temperature Coefficient Span	$\pm 0.3\%$ of full scale per 10 °C

## Electrical Data

Operating Voltage	15 - 30 VDC
Current Consumption	$\leq 12$ mA
Voltage Drop	$\leq 2$ V
Switching Frequency	$\leq 180$ Hz
Response Time	$< 3$ ms
Short Circuit/Reverse Polarity Protection	Yes/Yes
IO-Link	Version 1.0

## Environmental Data

Ambient Temperature	-40 to 80 °C
Storage Temperature	-40 to 80 °C
Medium Temperature	-40 to 85 °C
Housing Materials	303 stainless steel
Wetted Materials	303 stainless steel, FPM, AL <sub>2</sub> O <sub>3</sub> ceramic
Protection Type	IP 69K
Shock Resistance	50 g per IEC 68-2-27
Vibration Resistance	20 g (9 - 2000 Hz) per IEC 68-2-6

## Part Number Key

**PC 010V - 2 03 - 2UPN 8 X - H1141**

**Pressure Switch**

**Pressure Range and Scale**

01VR = -1 to 0 Bar (-14.5 to 0 PSIG)  
 001R = 0 to 1 Bar (0 to 14.5 PSIG)  
 001V = -1 to 1 Bar (-14.5 to 14.5 PSIG)  
 003V = -1 to 3 Bar (-14.5 to 43.5 PSIG)  
 010V = -1 to 10 Bar (-14.5 to 145 PSIG)  
 016V = -1 to 16 Bar (-14.5 to 232 PSIG)  
 025V = -1 to 25 Bar (-14.5 to 362.5 PSIG)  
 040V = -1 to 40 Bar (-14.5 to 580 PSIG)  
 100R = 0 to 100 Bar (0 to 1450 PSIG)  
 250R = 0 to 250 Bar (0 to 3625 PSIG)  
 400R = 0 to 400 Bar (0 to 5800 PSIG)  
 600R = 0 to 600 Bar (0 to 8700 PSIG)

**Housing**

2 = Cylinder without display

**Process Connection**

01 = Female G 1/4  
 02 = Female NPT 1/4  
 03 = Male NPT 1/4  
 04 = Male G 1/4

**Electrical Connection**

H1141 = 4-pin male, M12X1

**With LED**

**Operating Voltage**

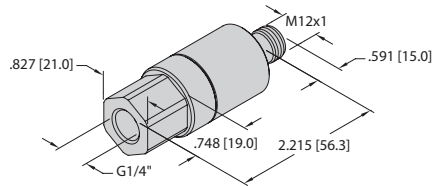
8 = 15 - 30 VDC

**Electrical Output**

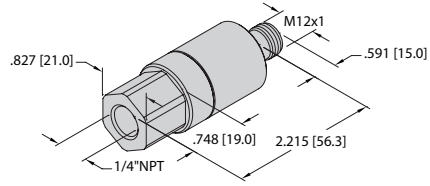
OUTPUT: **SP1** **SP2**

2UPN = Switching output or IO-Link    Switching output

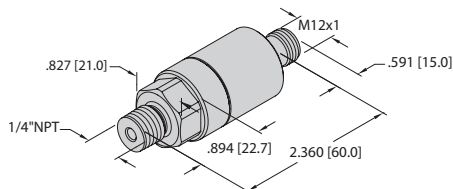
PC...201



PC...202



PC...203



PC...204

