

## Digital, Miniature Pressure Switch with Display

- **Compact, 1" cube that fits practically anywhere**
- **8 selectable pressure units**
- **Two fully-programmable PNP digital outputs**
- **Bright, multi-colored, 4-digit display and LED indicators for high readability**
- **Two pressure port locations - one horizontal and one vertical - for easy installation**



### Overview

These miniature pressure switches provide PNP output switch control for non-corrosive gasses. The PSW-1110 features a bright 4-digit, 7-segment, programmable display that makes it easy to see the current pressure.

The ultra-compact size and multiple pressure port orientations make this unit easy to install practically anywhere. There are both a horizontally and vertically oriented pressure ports.

The PNP outputs are fully programmable, and the user can also select one of eight pressure units: psi, bar, kg/cm<sup>2</sup>, KPa, MPa, inHg, cmHg, and Atm. There are four options for output modes. The main options are hysteresis and window modes, and each of those have high and low methods of actuation.

The PSW-1110 is also available with the following options: additional pressure ranges, NPN outputs, alternate pressure port thread types, and with liquid media compatibility. Contact us if you would like to learn more about these options.

### Specifications

<b>Accuracy</b>	± 1% FS
<b>Repeatability</b>	± 1% FS
<b>Response Time</b>	135 ms
<b>Burst Pressure</b>	300 psi
<b>Compatible Media</b>	Non-Corrosive Gasses
<b>Supply Voltage</b>	10-30 Vdc
<b>Electrical Connection</b>	20" Cable with Flying Leads
<b>Current Consumption</b>	≤80 mA
<b>Output</b>	PNP
<b>Media Temperature Range</b>	0 to 100°C (32 to 212°F)
<b>Temperature Accuracy</b>	± 2°C (± 4°F)
<b>Operating Temperature</b>	-10 to 60°C (14 to 140°F)
<b>Storage Temperature</b>	-20 to 70°C (-4 to 158°F)
<b>Operating &amp; Storage Humidity</b>	35 to 85% RH
<b>Process Connection Material</b>	Zinc Alloy
<b>Enclosure Materials</b>	ABS
<b>Weight</b>	80g
<b>Shock</b>	100g (980 m/s <sup>2</sup> )
<b>Acceleration</b>	10g (98 m/s <sup>2</sup> )
<b>Vibration</b>	10 to 500 Hz freq., 0.06" (1.5 mm) amplitude



