



## PS02 - Pressure Switch

- *Up to and including 30,000 psi / 2,200 bar Working Pressure*
- *High Proof Pressures*
- *ATEX (Ex d) approval*
- *Various pressure port connections available*
- *316L stainless steel body aluminium options available*
- *Electronic switch for improved repeatability*



## Overview

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Bifold PS02 electronic pressure switches are manufactured in a strictly controlled environment using the latest thin film technology and are suitable for hazardous area Zone I environments and applications such as offshore, oil rigs FPSO's, onshore, process plants and refineries, and wherever extremes in temperatures may occur.

The adjustable trip point is accessed via a IP67 all st/st housing and is fully adjustable across the range via the internal multi turn potentiometer.

This type of switch is an ideal alternative to electromechanical types especially in high cycle applications, when speed of response is paramount and the presence of vibration may contribute to a spurious trip.

### Specifications

- **Performance**  
Long term drift 0.2% FS /YR (non-cumulative).
- **Switch Point Resolution**  
0.1% FS.
- **Switch Point Accuracy (25°C)**  
±0.5%.
- **Switch Point Hysteresis**  
Adjustable 1% - 10%
- **Thermal Error**  
±1.8% FS max.
- **ATEX Certification**  
Exd IIC T4 Gb (Tamb -40°C to +90°C).
- **Operating Temperatures**  
-40°F to +194°F (-40°C to +90°C).
- **Fatigue Life**  
Designed for more than 100 Million cycles.
- **Ex d Enclosure**  
316L stainless steel or aluminium.
- **Wetted Parts**  
17-4 PH stainless steel.
- **Enclosure**  
IP67.
- **Field Adjustable**  
Remove lid & turn potentiometer.
- **Unit Weight**  
1.4 kg.
- **Electrical Specification**  
Supply voltage 24VDC.  
Supply current 30 mA.  
Relay voltage rating 24VDC.  
Relay current rating 1 A.