# Pressure Sensors: HLR 7970 Series

Flow control devices that shift the internal flow path within the assembly as it responds to a predetermined change in monitored pressure. They can be be used in either three (3) way, Block and Bleed applications or in two (2) way Bleed service.

**DESIGNED** for control usage as either a High Pressure Sensor (PSH) or a Low Pressure Sensor (PSL), each with an adjustment range of 10 to 10,000 PSI. Our Pressure Sensors are commonly referred to as "Stick Pilots". They have field proven dependability and are especially well suited for use in harsh environments.

**SPECIAL FEATURES** include self-contained, multiple piston arrangements, that utilize one common Spring. This feature allows the 7970 to be set at any pressure between 10 and 10,000 PSI without the need to buy additional parts. Four piston arrangements (1 1/8", 1/2", 1/4", 3/16") are all in this one self-contained unit. See our Product List for different models available.

**REASON TO USE:** The HLR Pressure Sensor is used to respond to a predetermined setting and initiate control sequencing to safeguard facilities upon detection of abnormal pressure. Besides standard applications, the HLR 7970 is well suited to operate in:

1) Systems that could exceed normal operating pressure.
2) Systems where the pressure detection requirements would vary greatly over a period of time (changing pressure settings required to match new operating conditions).
3) Systems that require a sealed instrument control circuit.
4) Areas subject to vibration.

## FEATURES

**Working Pressure:**
**10 - 10,000 PSI**
**(.689 to 689.5 BAR)**

**Control Pressure:**
**125 PSI Max.**
**(8.62 BAR)**

**Connections:**
**Sensed Inlet:**
**1/2"-14 Male NPT**
***and***
**1/8"- 27 Female NPT**

**Control Ports:**
**1/4"-18 Female NPT**