

ENGINEERING DETAILS

HIGH/LOW PRESSURE SENSOR - HLR 7970

- **Control Working Pressure: 125 PSI Max. (8.62 BAR, 8.74 Kg/Cm²).**
Performs Best With: **30 PSI (2.07 BAR, 2.109 Kg/Cm²)**
Pneumatic Instrument Supply Pressure.
- **Working Pressure of Piston Assembly: 10,000 PSI Max.**
(689 BAR, 703 Kg/Cm²).
- **Connection Sizes: Control Ports - 1/4" - 18 NPT "F".**
Monitored Press. Inlet - 1/2"-14 NPT "M" &
1/8" - 27 NPT "F".
- **Four Individual Piston Arrangements: Complete "Sets" of 1-1/8", 1/2"**
1/4" & 3/16" Piston Within.
- **CV Factor: .35 Dead Band: 3 - 5% of Pressure Setting.**
- **Repeatability: Within 1% of Pressure Setting.**
- **Dimensions: Body O.D. = 1.750 in. (4.45cm)**
Length = 8.375 in. (21.27cm)
- **Panel Hole Cutout Size Required: 1-5/8 in. Diameter (4.13cm).**

INSTRUMENTATION CONNECTIONS & FUNCTIONS

"HIGH" Application (PSH)
(Pressure Increasing)

Connection - Function
H - Supply Inlet
L - Exhaust
O - Outlet (Output)

"LOW" Application (PSL)
(Pressure Decreasing)

Connection - Function
L - Supply Inlet
H - Exhaust
O - Outlet (Output)