

## FEATURES

- Excellent repeatability $\pm 2 \%$ of Full Scale
- Robust design with zinc die-cast housing
- $360^{\circ}$ Rotatable Male connections
ranges $\geq 150 / 425$ psi
- Easy to adjust
- High Loadability (shock 30g, vibration 10 g )
- IP65 Hirschmann Connector

IP67 M 12x1, (4-pin)
$\square$ Flange connection (optional)
LED status indicator (optional)

## APPLICATIONS

Hydraulic systems, including mobile hydraulicsPneumatic systemsPower generation
Pumps \& compressors
Marine
With a stable switching point setting, the robust 400 Series Switch converts pneumatic and hydraulic pressure into switching functions, and is designed for applications requiring maximum accuracy under high loads. It is SPDT, and can be normally open (N.O.) or normally closed (N.C.) depending on the wiring. The switching point is fully adjustable by means of a simple adjustment knob within the adjustment range. It also includes a locking mechanism for switch point adjustment.

The 400 Series Switch is fitted with DIN EN 175301-803 Form A connectors for fast and easy installation. It is also available with an LED indicator on the plug for visual monitoring of the switch status, or an M12 x 1 (4-pin) electrical connection.

|  | SPECIFICATIONS |
| :---: | :---: |
| Maximum Working Pressure | 0 psig to 300 psig through 0 psig to 5,000 psig |
| Measuring Element | NBR diaphragm $\leq 230$ psig <br> Stainless Steel piston with NBR seal $\geq 500$ psig |
| Media | Diaphragm type, compressed air or non-corrosive liquids Piston type, self-lubricating fluids such as hydraulic oil or grease |
| Process Connection | 1/4" NPT and 7/16-20 SAE standard, others available on request |
| Connection Material | Zinc plated steel, stainless steel optional |
| Case | Zinc plated steel |
| Switching Function | SPDT, micro switch with silver plated self cleaning contacts |
| Adjustment | Adjustment knob from 3 psig to 4,600 psig dependent on full scale range |
| Hysteresis | Diaphragm type, $1 \%$ to $11 \%$ of adjustment range full scale Piston type, $2 \%$ to $8 \%$ of adjustment range full scale |
| Repeatability | $\pm 2 \%$ of Full Scale |
| Frequency | Max. 200 cycles/min. |
| Contact Rating | Up to 28 VDC - max 4A Up to 250 VAC - max 3 A |
| Temperature Range | $\begin{array}{ll}\text { Storage } & 13^{\circ} \mathrm{F} \text { to } 185^{\circ} \mathrm{F} /-25^{\circ} \mathrm{C} \text { to } 85^{\circ} \mathrm{C} \\ \text { Media } & 14^{\circ} \mathrm{F} \text { to } 176^{\circ} \mathrm{F} /-10^{\circ} \mathrm{C} \text { to } 80^{\circ} \mathrm{C} \\ \text { Ambient } & 14^{\circ} \mathrm{F} \text { to } 176^{\circ} \mathrm{F} /-10^{\circ} \mathrm{C} \text { to } 80^{\circ} \mathrm{C}\end{array}$ |
| Electrical Connection | Hirschmann (DIN EN 175301-803 Form A), M12 $\times 1$ (4-pin available upon request) |
| Shock | 30 g's per IEC 770 |
| Vibration | 10 g's per IEC 770 |
| Environmental Protection | NEMA 4: IP65 for Hirschmann NEMA 4X: IP67 for M12 x 1 |
| CE Certification | Acc. to EU Standard 73/23/EWG |
| Weight | Approximately 0.66 lbs |



Note: Stainless steel connection available, consult factory
Please consult your local NOSHOK Distributor or NOSHOK, Inc. for availability and delivery information.


> Additional Ordering Information Switch Set Point(s) $\quad$ (please specify)

Outline Dimensions


Switching Output Schematic


M12 x 1 (4-Pin)


