

Mechanical Miniature Low-Pressure Switch

100 SERIES

- Rugged one-piece machined housing provides maximum durability
- Compact size allows installation where space is limited
- Ranges available from 5 psi to 150 psi in either normally open or normally closed contacts
- External adjustment screw for ease of setting the switching point on-site
- Utilizes a proven diaphragm type sensing element to provide excellent accuracy
- Special versions are available with alternate diaphragm, housing and contact materials to meet most requirements
- Cost-effective



N.C.



N.O.

FEATURES

- One piece machined housing
- Compact size
- External adjustment screw

APPLICATIONS

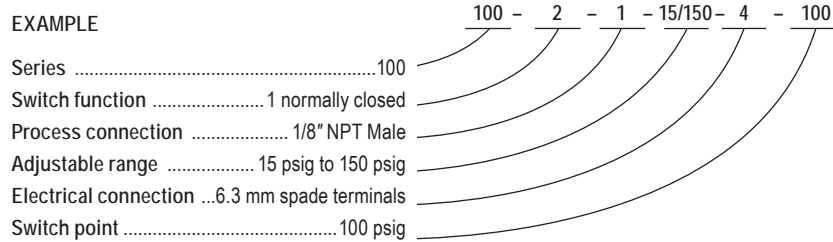
- Hydraulic systems
- Industrial machinery or machine tools
- Pumps and compressors

SPECIFICATIONS

| | | |
|--------------------------|--|------------------------------------|
| Pressure ranges | 15 psig to 30 psig through 15 psig to 150 psig | |
| Measuring element | NBR diaphragm, optional FKM or EPDM | |
| Process connection | 1/8" NPT Male | |
| Connection material | Brass, optional stainless steel | |
| Case | Brass, optional stainless steel | |
| Switching function | 1 SPST N.O. or N.C. contact | |
| Adjustment | Adjustment screw from 5 psig to 150 psig dependent on full scale range | |
| Hysteresis | < 10% of the adjusted value | |
| Repeatability | 5% of the adjusted value | |
| Contact rating | up to 42 Vdc | -2A |
| Contact material | Silver plated, optional gold plated | |
| Temperature ranges | Storage | -13 °F to 185 °F (-25 °C to 85 °C) |
| | Media | -13 °F to 185 °F (-25 °C to 85 °C) |
| | Ambient | -13 °F to 185 °F (-25 °C to 85 °C) |
| Electrical connection | 6.3 mm spade terminals | |
| Environmental protection | Housing NEMA 4/IP65 | |
| Weight | Approximately 0.07 lb | |

| ORDERING INFORMATION | | | |
|----------------------------|------------------|------------------------|----------------------------|
| SERIES | 100 | | |
| SWITCH FUNCTIONS | 1 | 1 Normally open | 2 1 Normally closed |
| PROCESS CONNECTION | 1 | 1/8" NPT Male | |
| ADJUSTABLE RANGES | 5/30 | 5 psig to 30 psig | 15/150 15 psig to 150 psig |
| ELECTRICAL CONNECTION | 4 | 6.3 mm spade terminals | |
| SWITCH POINT (if required) | Specify pressure | | |

Please consult your local NOSHOK Distributor or NOSHOK, Inc. for availability and delivery information.



Switch Wiring and Schematics



Outline Dimensions

