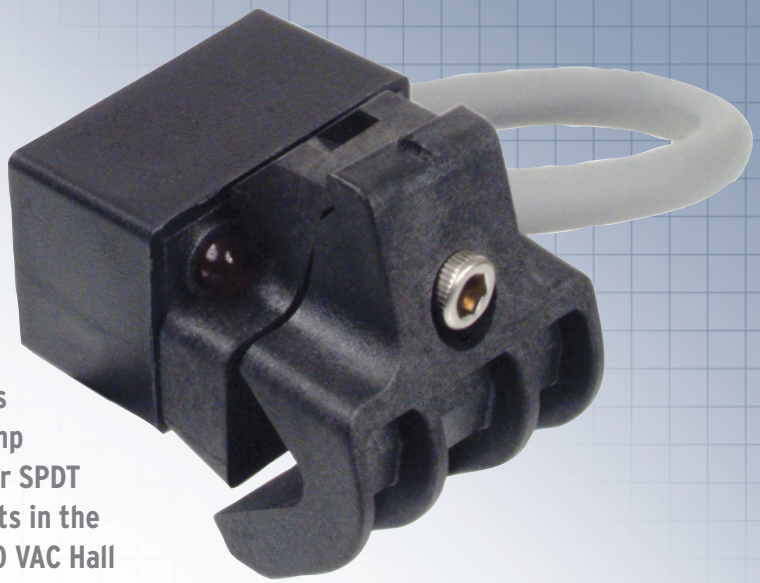
FLAIRLINE®
FLUID / AIR PRODUCTS

SERIES 7000

REED AND ELECTRONIC SENSORS FOR 2" TO 8" BORE TIE ROD CYLINDERS

GENERAL DESCRIPTION



The Flairline Series 7000 proximity sensors are used to sense position on cylinders from 2 to 8 inch bore. This proven design is rugged yet cost effective. All switches feature a self adjusting clamp that grips standard NFPA and custom cylinders eliminating stocking requirements of many clamps for different bore sizes. The Series 7000 boasts the largest number of custom circuits to match applications found in the market. Examples include; 1 or 4 Amp reed switches, normally open, normally closed or SPDT switch types, reed or electronic sensing elements in the same package style, and the industry's fi rst 120 VAC Hall sensor. A wide range of enclosures and connector options are available.

FEATURES

- One switch for a majority of voltages and cylinder sizes
- 2" - 6" bore, same clamp (8" bore optional)
- 5 - 240 VAC or DC / In di ca tor light same brightness
- Wash down compatible NEMA 6 (most versions)
- Materials: Ultem®, Nylon, PVC wire and stain less steel
- Industry's fi rst 120 VAC all electronic
- 1 Amp standard, 4 Amps optional output
- CSA approved versions
- "Floating" clamp
- Quick connect versions
- Surge suppression
- Extremely consistent repeatability
- Compatible with IS (Intrinsically Safe) barriers

TECHNICAL DATA

- Temperature Range: Operational from -20° to +80°C.
- Shock: Operational up to 30G (11 ms.) reeds only. Not applicable for electronics.
- Vibration: Operational up to 20 G (10 - 55Hz) reeds only. Not applicable for electronics.
- Sensitivity and orientation: 85 gauss parallel minimum required for proper operation, as measured on sensor surface. Size of sensing area depends on size and strength of magnet and thickness of cylinder wall.