

PRESSURE & TEMPERATURE SWITCH Series 100

Single Switch, General Purpose/Weather-Tight, Pressure, Vacuum, Differential Pressure, and Temperature Switches with easy access to wiring and internal setpoint

Features

- Single switch (SPDT) output
- Rugged family of pressure, vacuum, differential pressure and temperature switches
- Wide variety of pressure sensors for media compatibility
- Epoxy coated enclosure, designed to meet Enclosure Type 4X requirements
- Heat tracing and freeze protection temperature models
- Pump switch models with wide, controllable deadband

Ranges

Pressure: 30" Hg Vac to 5000 psi (-1 to 344,7 bar)

Differential Pressure: 0.2" wcd to 500 psid (0,5 mbar to 34,5 bar)

Temperature: -180 to 650°F (-117.8 to 343.3°C)

Wide Selection of Pressure Sensors for media compatibility, optimum sensitivity and set point repeatability, covering ranges from Vacuum to 5,000 psi (344,7 bar)

- Welded 316 stainless steel diaphragms or bellows
- Teflon, Buna N, Kapton, or Viton diaphragms
- Hastelloy or Monel diaphragms
- 316L stainless steel sanitary diaphragms
- 303 stainless steel pistons for high pressure

Options

- European ATEX and Russian Gosgortekhnadzor compliance for intrinsically safe areas
- Remote bulb temperature models available in copper or stainless steel with capillary lengths up to 50 feet and optional armored cable
- DPDT output
- Red status light for indication of switch setting mode
- Variety of switch output options including manual reset, adjustable deadband, and 20 A rating

Applications

- Pumps and compressors
- Fluid power/hydraulics
- Threshold protection for critical processing equipment functions
- Fire suppression systems
- Heat tracing and freeze protection
- Temperature control systems



Pressure



Differential Pressure



Temperature

