

## PRESSURE & TEMPERATURE SWITCHES Series 120

*Rugged Explosion-proof Pressure, Vacuum, Differential Pressure and Temperature Switches with Worldwide Agency Certifications*

### Features

- Class I, Divisions 1 & 2, Groups B, C & D; Class II, Divisions 1 & 2, Groups E, F & G; Class III; Class I, Zone 1
- European ATEX, IECEx, Russian Gosgortekhnadzor, Ukrainian Gosnadzorohrantruda, and Chinese CQST flameproof compliance for hazardous areas
- Dual conduit openings provide mounting flexibility
- Enclosure Types 4X, 7 and 9/ IP66 certified
- Choice of single or dual SPDT output
- Terminal block wiring
- Cover lock
- Flush mount sanitary sensors
- Internal adjustment or external calibrated dial with tamper resistant cover
- Pump switch models with wide, controllable deadband
- Heat trace and freeze protection temperature switches
- Indicating temperature control (820E/822E)

### Ranges

"wc range: 300 "wc Vac to 250 "wc (-746,7 to 622, 3 mbar)

Pressure: 30"Hg Vac to 6000 psi (-1 to 413,7 bar)

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

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

### Options

- Various microswitch options from 1 amp to 30 amps and up to 480 VAC, including adjustable deadband and manual reset switches
- SPDT & DPDT hermetically sealed switches
- Optional immersion stem and capillary lengths for temperature switches

Wide Selection of Pressure Sensors for media compatibility, optimum sensitivity and set point repeatability, covering ranges from Vacuum to 6,000 psi (413,7 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

### Industries & Applications

- Chemical plants
- Pipelines and refineries
- Coal and grain dust areas
- Gas purge lines
- Buffer gas systems
- Tank blanketing
- Pumps, compressors and turbines

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Pressure model with welded stainless steel diaphragm

ATEX  
APPROVED



Temperature model  
with dual output

