opposite ends of the range or at two intermediate set points. The threaded top is removed for field adjust or service switches without disturbing electrical or pressure connections. The Dustert switch is explosion-proof and weatherproof. It can be mounted in any position and is not affected by vibration.

Series ES Electronic Pressure Switch is proven reliable, even in the toughest industrial applications. The switch uses a thin film pressure sensor that is rated for 10,000,000 cycles at the rated load, allowing the ES to outlast mechanical switches in high cycle applications. The switch is designed with narrow, adjustable deadbands that can be adjusted to less than 0.5% of range with multi-turn potentiometers. Features include status light for indication of process pressure, setpoint, reset and relay output status. Optional 3-1/2 digit display (on ES1 models only) 3-1/2 digit LED.

Series ES Electronic Pressure Switch

### SPECIFICATIONS

- **Model**: ES04021, ES04022, ES04024, ES04029, ES14021, ES14022, ES14024, ES14029
- **Setpoint**: Range psi (bar)
  - ES04021: 3-60 (214.1)
  - ES04022: 5-100 (346.9)
  - ES04024: 15-300 (1020.7)
  - ES04029: 150-3000 (10320.6)
  - ES14021: 3-60 (214.1)
  - ES14022: 5-100 (346.9)
  - ES14024: 15-300 (1020.7)
  - ES14029: 150-3000 (10320.6)
- **Max. Pressure**: psi (bar)
  - ES04021: 120 (8.3)
  - ES04022: 200 (13.8)
  - ES04024: 600 (41.4)
  - ES04029: 4500 (310)
  - ES14021: 120 (8.3)
  - ES14022: 200 (13.8)
  - ES14024: 600 (41.4)
  - ES14029: 4500 (310)
- **LED**: No, Yes

### Model

- **Housing**: NEMA 4 (IP65) watertight epoxy coated aluminum enclosure.
- **Wetted Parts**: Buna-N O-ring standard. 316 SS chamber.
- **Pressure Limit**: 184°F (101°C)
- **Cycle**: Ten million @ rated load.
- **Repeatability**: ±0.5% of nominal range.
- **Temperature Limit**: -20 to 160°F (-28.9 to 71.1°C)
- **Power Supply**: 110 VAC; 50/60 Hz.
- **Electrical Connection**: 3/4” NPT, 3AA
diaphragm optional. FEP diaphragm optional.
- **Electrical Rating**: 10 amp (resistive) @ 250 VAC; 10 amp (resistive) @ 30 VDC.
- **Switch Type**: Two SPDT snap switches.
- **Agency Approvals**: CE, UL, CSA.

### Series H2

- **Diaphragm**: 17-4 PH stainless steel; Pressure connection: AISI/316 SS.
- **Wetted Parts**: Fluoroelastomer or EPDM O-ring optional. FEP diaphragm optional.
- **Pressure Limit**: 184°F (101°C)
- **Cycle**: Ten million @ rated load.
- **Repeatability**: ±0.5%.
- **Display**: (on ES1 models only) 3-1/2 digit LED.
- **Resolution**: ±1%.
- **Wetted Parts**: Diaphragm: 17-4 PH stainless steel; Pressure connection: AISI/316 SS.
- **Housing**: NEMA 4 (IP66) watertight epoxy coated aluminum enclosure.
- **Weight**: 1lb, 9 oz (709 g).

### Series ES

- **Display**: (on ES1 models only) 3-1/2 digit LED.
- **Resolution**: ±1%.
- **Wetted Parts**: Diaphragm: 17-4 PH stainless steel; Pressure connection: AISI/316 SS.
- **Housing**: NEMA 4 (IP66) watertight epoxy coated aluminum enclosure.
- **Weight**: 1lb, 9 oz (709 g).