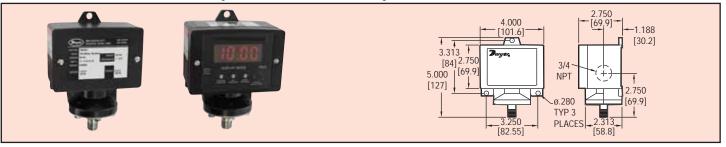


Series Electronic Pressure Switch

Adjustable Set Point, Status Light, NEMA-4 Enclosure



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 LED provides local indication of process pressure. The electronics are housed in a watertight epoxy coated aluminum enclosure for additional corrosion resistance. The Series ES is ideal for pressure alarms, shutdown and control on metal stamping, presses, injection molding machines and other process equipment.

		Setpoint	Max. Pressure	
Мо	odel	Range psi (bar)	psi (bar)	LED
ES	04021	3-60 (.21-4.1)	120 (8.3)	No
ES	04022	5-100 (.34-6.9)	200 (13.8)	No
ES	04024	15-300 (1.0-20.7)	600 (41.4)	No
ES	04029	150-3000 (10.3-206)	4500 (310)	No
ES	14021	3-60 (.21-4.1)	120 (8.3)	Yes
ES	14022	5-100 (.34-6.9)	200 (13.8)	Yes
ES	14024	15-300 (1.0-20.7)	600 (41.4)	Yes
ES	14029	150-3000 (10.3-206)	4500 (310)	Yes

SPECIFICATIONS

Service: Compatible liquids or gases. Power Supply: 110 VAC: 50/60 Hz. Repeatability: ±0.5% of nominal range.

Temperature Limits: -20 to 160°F (-28.9 to 71.1°C).

Process Connection: 1/4" male NPT. Electrical Connections: 3/4" male NPT.

Switch Type: SPDT relay.

Electrical Ratings: 10 amps (resistive) @ 250 VAC; 10 amp (resistive) @ 30 VDC.

Setpoint: Adjustable via internal multi-turn potentiometers.

Deadband Adjustment: Between 0.1% and 95% of nominal range.

Cycle: Ten million @ rated load.

Sensor Element: Thin film pressure sensor. Display: (on ES1 models only) 3-1/2 digit LED.

Resolution: ±1%.

Wetted Parts: Diaphragm: 17-4 PH stainless steel; Pressure connection: AISI/316

Housing: NEMA 4 (IP66) watertight epoxy coated aluminum enclosure.

Weight: 1lb, 9 oz (709 g).