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.

Model	Setpoint Range psi (bar)	Max. Pressure psi (bar)	LED
ES04021	3-60 (.21-4.1)	120 (8.3)	No
ES04022	5-100 (.34-6.9)	200 (13.8)	No
ES04024	15-300 (1.0-20.7)	600 (41.4)	No
ES04029	150-3000 (10.3-206)	4500 (310)	No
ES14021	3-60 (.21-4.1)	120 (8.3)	Yes
ES14022	5-100 (.34-6.9)	200 (13.8)	Yes
ES14024	15-300 (1.0-20.7)	600 (41.4)	Yes
ES14029	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 SS.
Housing: NEMA 4 (IP66) watertight epoxy coated aluminum enclosure.
Weight: 1lb, 9 oz (709 g).