Features

- ► Ease of setting: Teach & Go
- Ultra compact construction
- ► Rotatable 320° housing
- ▶ 1 or 2 switchpoints
- Programmable adjustable hysteresis¹
- Excellent for high cycling DC applications

Applications

- OEM applications in hydraulic and pneumatic systems
- Press machines
- Lubricant monitoring systems
- Machine tool industry
- Automotive test equipment
- Injection molding machines



General Specifications*

•	
Sensor element:	Piezoresistive silicon (only for 9000 psi range) or ceramic measuring cell
Materials: Wetted parts: Electonics housing: Seals:	Stainless steel, pass., Al2O3 PA 6.6 Viton® (FKM)
Operating elements:	2 easy response push buttons
Enclosure rating:	IP65 (indoor only)
Process connection (male):	1/4" NPT, G1/4, 7/16-20 (37° JIC), 7/16-20 UNF (SAE)
Dimensions:	Approx. Ø 1.0" x 3.9" (without mating connector)
Measuring ranges:	0 to 9000 PSI (0 to 600 bar)
Proof Pressure:	1.5 times rated pressure
Electrical connection:	M12x1, 4-pin

^{*} See Product Configurator for additional options.

Temperature influence:	± 0.2 % f.s./10K
Compensation range:	14°F to 158°F (-10 °C to +70 °C)
Repeatability:	+/- 1 % f.s.
Temperature range: Media: Electronics: Storage:	-13°F to 212°F (-25 °C to +100 °C) -13°F to 176°F (-25 °C to +80 °C) -22°F to 176°F (-30 °C to +80 °C)
Power supply:	15 to 32 V DC, reversed polarity protected (SELV, PELV)
Transistor switching outputs PNP: Adjustment range for switching point & hysteresis¹: Frequency response: Current rating:	0 % to 100 % f.s. Max. 100 Hz Max. 200 mA
Vibration:	10 g/20 to 2000 Hz
Shock:	100 g/11 ms

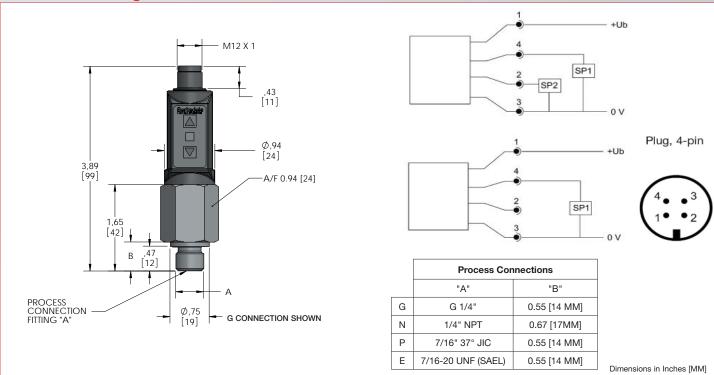
Note 1: For 1SP version, adjustable hysteresis (2SP version has built-in 15% hysteresis)

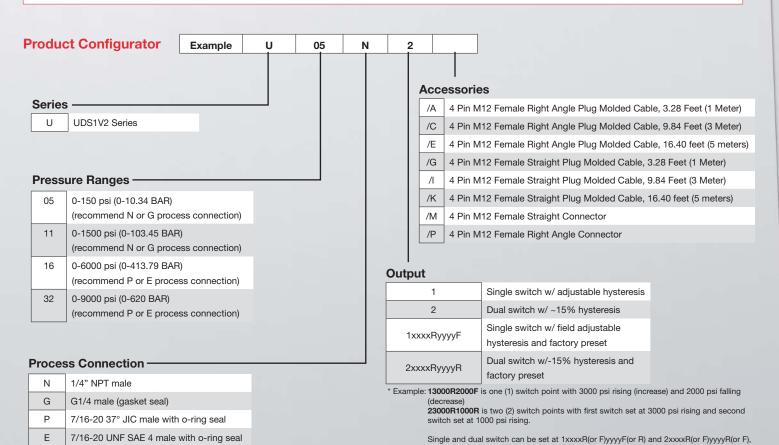


Electronic Pressure Switch

UDS1V2

Technical Drawing





Barksdale Com

where F denotes falling and R denotes rising. (indent this note as it relates to the example

above.