

**Special features:**

- Ashcroft® K Series polysilicon thin film pressure sensor (transducer) for long, stable life (minimum 1 million cycles at rated load)
- Setpoint repeatability of 0.5% of range
- Choice of watertight, NEMA 4X, IP66 enclosures for safety and reliability
- Pressure setpoints to 20,000 psi
- Deadbands adjustable between 0.1% and 95% of nominal range
- Multi-turn potentiometers make setpoint and deadband adjustments easy
- Status lights indicate switch state
- Continuous power assures operation first time and every time even after years of inactivity
- Big, easy-to-read LED display shows process pressure, setpoint and reset point

**Ideal for pressure alarm, shutdown, control on:**

- Machine tools
- Injection molding machines
- Presses
- Pumps
- Hydraulic systems
- Turbines and compressors
- Most process applications



**1 - FUNCTION**

NPI - Single setpoint with adjustable deadband and indication

**2 - ENCLOSURE**

N4 NEMA 4, IP66, watertight

**3 - OUTPUT**

D	SPDT Relay	10A, 250 Vac 10A, 30 Vdc
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**4 - POWER REQUIREMENTS**

Code	Power Supply
L	110 Vac, 50/60 Hz
C	24 Vdc
V	250 Vac, 50/60 Hz

**5 - PRESSURE CONNECTIONS**

Code	Description
S01	1/8 NPT male
S02	1/4 NPT male
S03	1/8 NPT female
S04	1/4 NPT female
S05	7/16-20 SAE-male
S06	1/2 NPT male, 1/4 NPT female
S07	1/4 AMINCO-female
S08	7/16-20 SAE-J514-female

**6 - OPTIONS**

Code	Description
XEA	External adjustment (N4 only)

**7 - STANDARD PRESSURE RANGES**

Range psi	Setpoint <sup>(1)</sup> Limits psi	Proof psi	Burst psi
60	3-60	120	480
100	5-100	200	800
200	10-200	400	1600
300	15-300	600	2400
500	25-500	1000	4000
750	35-750	1500	6000
1000	50-1000	2000	8000
2000	100-2000	4000	16,000
3000	150-3000	4500	15,000
5000	250-5000	7500	25,000
7500	375-7500	9000	22,500
10,000 <sup>(2)</sup>	500-10,000	12,000	30,000
15,000 <sup>(2)</sup>	750-15,000	18,000	45,000
20,000 <sup>(2)</sup>	1000-20,000	24,000	60,000

(1) Switch setpoint is adjustable throughout these limits.  
(2) Pressure connection S07 only on these ranges.

**TO ORDER THIS N-SERIES PRESSURE SWITCH:**

**Select:** \_\_\_\_\_ **NPI** **N4** **D** **L** **S02** **XEA** **100 psi**

1. Function: \_\_\_\_\_

2. Body: \_\_\_\_\_

3. Electrical Output: \_\_\_\_\_

4. Power Requirements: \_\_\_\_\_

5. Pressure Port: \_\_\_\_\_

6. Options (from Table 5): \_\_\_\_\_

7. Pressure Range (from Table 6): \_\_\_\_\_