NASHCROFT®

Pressure and Differential Pressure Switches, Watertight or Explosion-Proof Enclosure, P-Series

This top-of-the-line Ashcroft® process switch series includes many state-ofthe-art features for safety and reliability in virtually all process applications.

- Choice of watertight NEMA 4X or explosion-proof NEMA 7/9, IP55 enclosures
- Single or dual independently adjustable setpoints meet all setpoint requirements

1 - FUNCTION

- **PPA** Pressure control, single setpoint, adjustable deadband
- **PPD** Pressure control, two independently adjustable setpoints, fixed deadband
- **PPS** Pressure control, single setpoint, fixed deadband
- **PDA** Differential pressure control, single setpoint, adjustable deadband
- PDD Differential pressure control, two independently adjustable setpoints, fixed deadband
- **PDS** Differential pressure control, single setpoint, fixed deadband

2 - ENCLOSURE

- N4 NEMA 4/4X, IP65 (watertight and corrosion resistant)
- N7 NEMA 7/9, IP65 (explosion proof Div. 1 & 2)

3 - SWITCH ELEMENTS FOR PPA & PDA CONTROLS

Code		um Electrical Ratings A listed
Н	General purpose	10A,125/250 Vac 1/2A, 125 Vdc 1/4A, 250 Vdc
J	Hermetically sealed switch, general purpose	11A, 125/250 Vac 5A, 30 Vdc

SWITCH ELEMENTS FOR PPD, PPS, PDD & PDS CONTROLS

Co	de		
Single (PS)	Dual (PD)		elements A listed
K ⁽⁴⁾	KK	Narrow deadband	15A, 125/250 Vac
F ⁽⁴⁾	FF	Sealed environment proof	15A, 125/250 Vac
G ⁽⁵⁾	GG	General purpose	15A, 125/250/480 Vac 1/2A, 125 Vdc 1/4A, 250 Vdc
P ⁽³⁾	PP	Hermetically sealed switch, narrow deadband	5A, 125/250 Vac
J	JJ	Hermetically sealed switch, general purpose	11A,125/250 Vac 5A, 30 Vdc

- · UL, CSA listed
- Dual chamber design for improved safety. Choice of switch elements for all applications, including hermetically sealed
- Fixed or adjustable deadband
- · Readily available
- Standard pressure connection materials:

Pressure psi ranges - 316L SS

Pressure and differential inches of water ranges

- Carbon steel



4 - ACTUATOR SEAL(1)								
Code	Process		Rai	nge				
& Material	Temp. ⁽²⁾ Limits °F	Vac "H ₂ O	0-600 psi	1000 psi	2000- 3000 psi			
B-Buna N	0 to 150	•	•	•	•			
V-Viton	20 to 300	•	•	•				
T-Teflon	0 to 150	•	•	•	•			
S-SS ⁽⁶⁾	0 to 300		•	•				
P-Monel ⁽⁶⁾	0 to 300		•	•				
5 - PRESSI	JRE PORT(1)							
Order Code	е							
25	1/4 NPT F	1/4 NPT Female						
	1/4 NPT F	1/4 NPT Female and						
06	½ NPT N	1/2 NPT Male Combination						

1/2 NPT Female

07

6	- OPTIONS
9	See page 163-164
7	- STANDARD PRESSURE RANGES
9	See page 161
	NOTES:
1.	These items are wetted by process fluid.
2.	Ambient operating temperature limits -20 to 150°F,
	all styles. Setpoint shift of ±1% per 50°F
	temperature change of range is normal.
3	Estimated dc rating 2.5A, 28 Vdc (not III, listed)

- Estimated dc rating, 2.5A, 28 Vdc (not UL listed).
 Estimated dc rating, .4A, 120 Vdc (not UL listed).
- 5. Not UL listed at 480 Vac.
- 6. Available on pressure only.

TO ORDER THIS P-SERIES PRESSURE SWITCH:						
Select:	PPD	N4	GG	В	25	XK3 30 psi
1. Function:						
2. Enclosure:						
3. Switch Element:						
4. Actuator Seal:						
5. Pressure Port:						
6. Options (page 163-164): 🔃						
7. Pressure Range (page 161):						