ASHCROFT®

Miniature Pressure Switches, Watertight Brass Body, Type A-Series

- ***Wide variety of electrical connections including spade, screw and DIN***
- ***Rugged brass body sealed for environmental protection***
- ***Precision snap-acting switch element***
- ***Choice of field-adjustable or factory-adjusted to setpoint requirements***
- ***UL and CSA listed***

The Ashcroft® A Series pressure switches are designed for tough industrial and OEM applications requiring a durable, high-quality miniature switch.

Ideal for pressure alarm, shutdown, or control on heavy vehicles, machine tools, electronic equipment, engines, compressors, and wherever size is a consideration or equipment is being downsized.

IN A RUSH? ASK FOR ASHCROFT GOLD SERVICE

1 - FUNCTION

APS - Pressure switch, brass body, single setpoint, fixed deadband, factory set
APA - Pressure switch, brass body, single setpoint, fixed deadband, field adjustable

2 - BODY

NB - Brass/polycarbonate body with glass to metal switch seal
RB - Brass/polycarbonate body with polycarbonate switch seal

3 - SWITCH ELEMENTS CODE

Code	SPDT Switch Elements UL/CSA Listed	
D	General Purpose	5A, 125/250 Vac 5A, 28 Vdc
M	Gold Contacts	1A, 125 Vac
Code Dual	**DPDT (2-SPDT) Switch Elements UL/CSA Listed**	
DD	Dual General Purpose	5A, 125/250 Vac 5A, 28 Vdc
MM	Dual Gold Contacts	1A, 125 Vac

Note: Dual switch elements only available with wire leads (L) and RB enclosure.

3B - ELECTRICAL CONNECTION CODE

Code	Electrical Terminations
L	Wire leads, 3-#18 AWG Insulated – 12˝
S	Screw terminals, 3-#6 binding head screws
T	Spade terminal, 3-.187 male spade
C	½ NPT male conduit connection with wire leads
H	Micro DIN connector

4 - ACTUATOR SEAL

Code	Material	Process Temperature Limits (°F)
B	Buna N	0-150
V	Viton	20-200
T	Teflon	0-150
H	Stainless Steel Piston/ Viton O-Ring	20-200

5 - PRESSURE CONNECTION CODE

Code	Description
01	⅛ NPT Male
02	¼ NPT Male

6 - A-SERIES OPTIONS

Code	Description
XFS	Factory adjusted setpoints
XNH	Tagging stainless steel
X6B	Cleaned for oxygen service

7A - AP NOMINAL RANGE & PERFORMANCE TABLE – CODES B, V, T ACTUATOR SEAL

Nominal Range		Proof Pressure	Setpoint Repeatability APS (Factory Set)	Setpoint Adjustability Range	Deadband (All Switch Elements)	
psi	bar	psi	psi	psi	Buna N	Viton & Teflon
30IMV	–1	1000	±1.0˝Hg/±0.5	–30 to –4˝Hg	1-5˝Hg	1.0-7.0
15	1	1000	±0.5	1.5-1.5	0.1-1.0	0.2-2.0
30	2	1000	±0.5	3-30	0.2-1.3	0.3-2.5
60	4	1000	±1.0	6-60	0.3-1.5	0.5-3.0
100	7	1000	±2.0	10-100	1.0-5.0	4.0-10
200	14	1000	±5.0	20-200	4.0-12	5.0-18
400	28	1600	±10	40-400	5.0-20	8.0-25
600	40	2400	±15	60-600	8.0-25	4.0-34
1000	70	4000	±20	100-1000	15.0-35	15.0-55

7B - AP NOMINAL RANGE 7 PERFORMANCE TABLE – CODE H ACTUATOR SEAL

Nominal Range		Proof Pressure	Setpoint Repeatability APS (Factory Set)	Setpoint Adjustability Range	Deadband
psi	bar	psi	psi	psi	Code D, M, DD, MM
1000	70	4000	±20	100-1000	50-100

TO ORDER THIS A-SERIES PRESSURE SWITCH:

Select:	APS	NB	DL	BO2	XFS	30 psi
1. Function:						
2. Body:						
3. Electrical:						
3. Pressure Port:						
5. Options (page 163-164):						
6. Pressure Range (see Table 6):						

Set at: (Add your setpoint requirements.)

Reference Bulletin SW-14

Consult factory for guidance in product selection
Phone (203) 878-5641, FAX (203) 877-8519 or
visit our web site at www.ashcroft.com

DRESSER INSTRUMENT
a Halliburton company