

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**

1 - FUNCTION

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

2 - BODY (ENCLOSURE)

- RB** - Brass/polycarbonate body with polycarbonate switch seal

3A - SWITCH ELEMENT CODE

Code	SPDT Switch Elements UL/CSA Listed	
D	General Purpose	5A, 125/250 Vac 5A, 28 Vdc
M	Gold Contacts	1A, 125 Vac

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	1/2 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	1/8 NPT Male
02	1/4 NPT Male

6 - A-SERIES OPTIONS

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

Ambient operating temperature limits –20°F to 150°F. Setpoint shift of up to one additional setpoint repeatability per 50°F change is normal.

Note: Switches calibrated at 70°F reference.

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.



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
30 in.Hg Vac	-1	1000	±1.0 in.Hg	-30 to -4 in.Hg	1-5 in.Hg	1.0-7.0
15	1	1000	±0.5	1.5-15	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	10.0-34

7B - AP NOMINAL RANGE & 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 RB DL B02 XFS 30#

1. Function: _____
2. Body: _____
3. Electrical: _____
4. Pressure Port: _____
5. Options (see table 6): _____
6. Pressure Range (see table 7A & 7B): _____

Set at:
(Add your setpoint requirements.)

Consult factory for guidance in product selection
Phone (203) 385-0217, Fax (203) 385-0602 or
visit our web site at www.ashcroft.com