ASHCROFT®

Pressure and Differential Pressure Switches, Watertight Enclosure, Type 400, B-Series

This general purpose Ashcroft® switch series is ideal for use in virtually all Industrial and OEM applications.

- Watertight NEMA 4X enclosure, IP66

- Choice of switch elements for all applications, including hermetically sealed

- Wide choice of wetted materials, including all-welded Monel or stainless steel

- Fixed or limited adjustable deadband

- Approved for UL, CSA and FM[8] ratings

- Choice of actuators, including designs for fire-safe and NACE applications[8]

- Readily available

- Standard pressure connection materials:

    Pressure psi ranges
    - 316L stainless steel

    Differential psid ranges
    - Nickel-plated brass[9]

    Pressure and differential inches of water ranges
    - Epoxy coated carbon steel

IN A RUSH? ASK FOR ASHCROFT GOLD SERVICE

LOOK FOR THIS AGENCY MARK ON OUR PRODUCTS

CE

1 - ENCLOSURE

B4 - Pressure switch, type 400, watertight enclosure meets NEMA 3, 4, 4X and 13, IP66 requirements

D4 - Differential pressure switch, type 400, watertight enclosure meets NEMA 3, 4, 4X and 13, IP66 requirements

2 - SWITCH ELEMENTS

Order Code	Description/Maximum Electrical Ratings UL/CSA Listed SPDT
20[4]	Narrow deadband — 15A, 125/250 Vac
21[9]	Ammonia service — 5A, 125/250 Vac
22[3]	Hermetically sealed switch, narrow deadband — 5A, 125/250 Vac
23	Heavy duty ac — 20A,125/250 Vac
24[1]	General purpose — 15A,125/250/480 Vac 1/2A, 125 Vdc 1/4A, 250 Vdc
25	Heavy duty dc — 10A,125/ Vac or dc 1/8HP 125/ Vac or dc
26[4]	Sealed environment proof — 15A, 125/250 Vac
27	High temp. 300°F — 15A, 125/250 Vac
28	Manual reset trip on increasing — 15A, 125/250 Vac
29	Manual reset trip on decreasing — 15A, 125/250 Vac
31	Low level (gold) contacts — 1A,125/250 Vac
32	Hermetically sealed switch, general purpose — 11A, 125/250 Vac 5A, 30 Vdc
50	Variable deadband — 15A,125/250 Vac

UL/CSA Listed Dual SPDT[2]

Order Code	Description/Maximum Electrical Ratings
61[4]	Dual narrow deadband — 15A, 125/250 Vac
62[4]	Dual narrow environment proof — 15A, 125/250 Vac
63	Dual high temp. 300°F — 15A, 125/250 Vac
64	Dual general purpose — 15A, 125/250/480 Vac 1/2A, 125 Vdc 1/4A, 250 Vdc
65	Dual ammonia service — 5A, 125/250/480

3 - ACTUATOR SEAL[7]

Code & Material	Process Temp.[6] Limits °F	Range			
		Vac in.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[5][10]	0 to 300		●	●	
P-Monel[5]	0 to 300		●	●	

4 - OPTIONS

(See pages 229-230)

5 - STANDARD PRESSURE RANGES

(See page 226)

NOTES:

1. Standard switch.
2. Dual switches are 2 SPDT snap-action switches not independently adjustable.
3. Estimated dc rating, 2.5A, 28 Vdc (not UL listed).
4. Estimated dc rating, .4A, 120 Vdc (not UL listed).
5. Available on pressure only.
6. Ambient operating temperature limits −20 to 150°F, all styles. Setpoint shift of ±1% of range per 50°F is normal. Switch calibrated at 70°F reference.
7. Items are wetted by process fluid.
8. Refer to Option Table.
9. Order Option XUD, stainless steel process connection.
10. On differential switches, stainless steel is available in 15, 30, 60 and 90 psid ranges only. Includes Teflon O-ring and 316 SS connection.

HERMETICALLY SEALED SWITCH

We recommend hermetically sealed switch elements for improved reliability. The hermetically sealed switch provides uncompromising contact protection in harsh or corrosive environments. The Ashcroft 400 Series is also approved for installation in Division II hazardous areas when supplied with hermetically sealed contacts.

Features:
- UL-recognized component, guide WSQ2, File E85076
- All-stainless steel welded construction

TO ORDER THIS B-SERIES PRESSURE SWITCH:

Select: **B4   20   B   XPK   600 psi**

1. Enclosure:
2. Switch Element:
3. Actuator Seal:
4. Options (See pages 229-230):
5. Pressure Range (See page 226):

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

DRESSER
Instruments