

This broad Ashcroft® switch series is easy to use and readily retrofits to virtually all process, industrial and OEM applications.

- Single or dual independently adjustable setpoints meet all setpoint requirements
- Watertight NEMA 4X, IP66 enclosure
- Choice of switch elements for all applications, including hermetically sealed
- Fixed or adjustable deadband
- Standard pressure connection materials:

1 - FUNCTION

- LPA** - Pressure control, single setpoint, adjustable deadband
- LPD** - Pressure control, two independently adjustable setpoints, fixed deadband
- LPS** - Pressure control, single setpoint, fixed deadband
- LDA** - Differential pressure control, single setpoint, adjustable deadband
- LDD** - Differential pressure control, two independently adjustable setpoints, fixed deadband
- LDS** - Differential pressure control, single setpoint, fixed deadband

2 - ENCLOSURE

- N4** - NEMA 4/4X, IP66 (watertight and corrosion resistant)

3 - SWITCH ELEMENTS FOR LPA & LDA CONTROLS

| Code | Description/Maximum Electrical Ratings UL/CSA Listed |
|------|--|
| H | 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 LPD, LPS, LDD & LDS CONTROLS

| Code | Switch Elements UL/CSA Listed | |
|------------------|-------------------------------|--|
| | Single (PS) | Dual (PD) |
| 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 |

Pressure psi ranges - 316L SS

Differential psid ranges - Nickel-plated brass⁽⁷⁾

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

- Approved for UL, CSA and FM⁽⁷⁾ ratings
- Wide choice of actuators, including designs for fire-safe and NACE applications⁽⁷⁾
- Readily available
- Setpoints adjustable from 15-100% of range

4 - ACTUATOR SEAL⁽¹⁾

| Code & Material | Process Temp. ⁽²⁾ 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 ^{(6),(8)} | 0 to 300 | | ● | ● | |
| P-Monel ⁽⁶⁾ | 0 to 300 | | ● | ● | |

5 - PRESSURE PORT⁽¹⁾

| Order Code | |
|------------|---|
| 25 | ¼ NPT Female |
| 06 | ¼ NPT Female and ½ NPT Male Combination |
| 07 | ½ NPT Female |

6 - OPTIONS

See pages 238-239

7 - STANDARD PRESSURE RANGES

See page 237



NOTES:

1. These items are wetted by process fluid.
2. Ambient operating temperature limits -20 to 150°F, all styles. Setpoint shift of ±1% of range per 50°F temperature change is normal. Switches calibrated at 70°F reference.
3. Estimated dc rating, 2.5A, 28 Vdc (not UL listed).
4. Estimated dc rating, .4A, 120 Vdc (not UL listed).
5. Not UL listed at 480 Vac.
6. Available on pressure only.
7. Refer to Option Table.
8. Order Option XUD, stainless steel process 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 L 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 L-SERIES PRESSURE SWITCH:

Select: _____ LPD N4 GG B 25 XK3 30#

1. Function: _____

2. Enclosure: _____

3. Switch Element: _____

4. Actuator Seal: _____

5. Pressure Port: _____

6. Options (see pages 238-239): _____

7. Pressure Range (see page 237): _____

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