



Pressure and Differential Pressure Switches, Watertight Enclosure, L-Series

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:

- 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



CE
LOOK FOR THIS AGENCY MARK ON OUR PRODUCTS

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

4 - ACTUATOR SEAL⁽¹⁾

Code & Material	Process Temp. ⁽²⁾ °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	Port Description
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): _____