

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	Dual		
(PS)	(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 250-251

7 - STANDARD PRESSURE RANGES

See page 249



CE
LOOK FOR THIS AGENCY MARK ON OUR PRODUCTS

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 250-251): _____
 7. Pressure Range (see page 249): _____

Consult factory for guidance in product selection
Phone (203) 378-8281 or visit our web site at
www.ashcroft.com

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 setpoint(s) meet all setpoint requirements
- Watertight NEMA 4X, IP66 enclosure
- Choice of switch elements for all applications, including hermetically sealed (NEMA 4 meets Class I, Div. 2, Groups A, B, C, & D with hermetically sealed switch)
- Fixed or fully adjustable deadband
- Readily available
- UL, CSA listings standard
- Setpoints adjustable from 15-100% of range

1 - FUNCTION

- LTA** - Temperature control, single setpoint, adjustable deadband
- LTD** - Temperature control, two independently adjustable setpoints, fixed deadband
- LTS** - Temperature control, single setpoint, fixed deadband

2 - ENCLOSURE

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

3 - SWITCH ELEMENTS FOR LTA CONTROLS

Order 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 LTD & LTS CONTROLS

Code		Switch Elements UL/CSA Listed	
Single (LS)	Dual (LD)		
K ⁽²⁾	KK	Narrow deadband	15A, 125/250 Vac
F ⁽²⁾	FF	Sealed environment proof	15A, 125/250 Vac
G ⁽³⁾	GG	General purpose	15A, 125/250/480 Vac 1/2A, 125 Vdc 1/4A, 250 Vdc
P ⁽¹⁾	PP	Hermetically sealed switch, narrow deadband	5A, 125/250 Vac
J	JJ	Hermetically sealed switch, general purpose	11A, 125/250 Vac 5A, 30 Vdc

HERMETICALLY SEALED SWITCH

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Features:

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



4 - LINE LENGTH SELECTION⁽⁴⁾

DIRECT MOUNT		
Order Code	Line Length ft	Style
00	Not Applicable	Rigid
REMOTE MOUNT		
05	5	Capillary
10	10	with
15	15	Armor
20	20	(Std.)
25	25	

5 - THERMAL SYSTEM SELECTION

LINE MATERIAL	
DIRECT MOUNT	
Order Code	Description
	No entry required for Direct Mount
REMOTE MOUNT	
A7	Stainless Steel Armor (Std.)

6 - BULB LENGTH SELECTION⁽⁵⁾

DIRECT MOUNT		
Order Code	"S" Dimension	Minimum Thermowell "U" Dimension
027	2 3/4"	—
040	4"	2 1/2"
060	6"	4 1/2"
090	9"	7 1/2"
120	12"	10 1/2"
REMOTE MOUNT		
030	3"	2 1/2"

7 - OPTIONS

See pages 250-251

8 - STANDARD TEMPERATURE RANGES

See page 249

NOTES:

1. Estimated dc rating, 2.5A, 28 Vdc (not UL listed).
 2. Estimated dc rating, 0.4A, 120 Vdc (not UL listed).
 3. Not UL listed at 480 Vac.
 4. Additional line lengths available, call factory.
 5. Additional bulb lengths available, call factory.
- Switches calibrated at 70°F ambient reference.

TO ORDER THIS L-SERIES TEMPERATURE SWITCH:

Select: _____ LTA N4 H 05 A7 030 XNH 150° to 260°F

1. Function: _____

2. Enclosure: _____

3. Switch Element: _____

4. Line Length: _____

5. Thermal System: _____

6. Bulb Length: _____

7. Options (see pages 250-251): _____

8. Temperature Range (see page 249): _____

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