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XLS-B4-Series Limit Switch

The XLS-B4 series limit switch has been designed to provide rotary pneumatic actuators with a local and remote indication of valve position in a variety of applications.

This limit switch is manufactured from die-cast aluminum and powder epoxy-coated with stainless steel fasteners and shaft. With a weather-proof NEMA 4/4X and IP68 rating, the XLS-B4 is corrosion resistant and suitable for most environments.

Features

- UL approved
- Compact, cost-efficient limit switches for both local and remote indication of valve and or actuator position
- Visual position indicator
- Quick-set adjustable cams
- Multipoint terminal strip
- Dual wire potting
- Captive cover bolts
- NEMA 4/4X
- Standard NAMUR mounting

Materials

- Indicator: polycarbonate
- Housing: black polyester powder-coated die cast aluminum
- Bracket: 304 stainless steel

Specifications

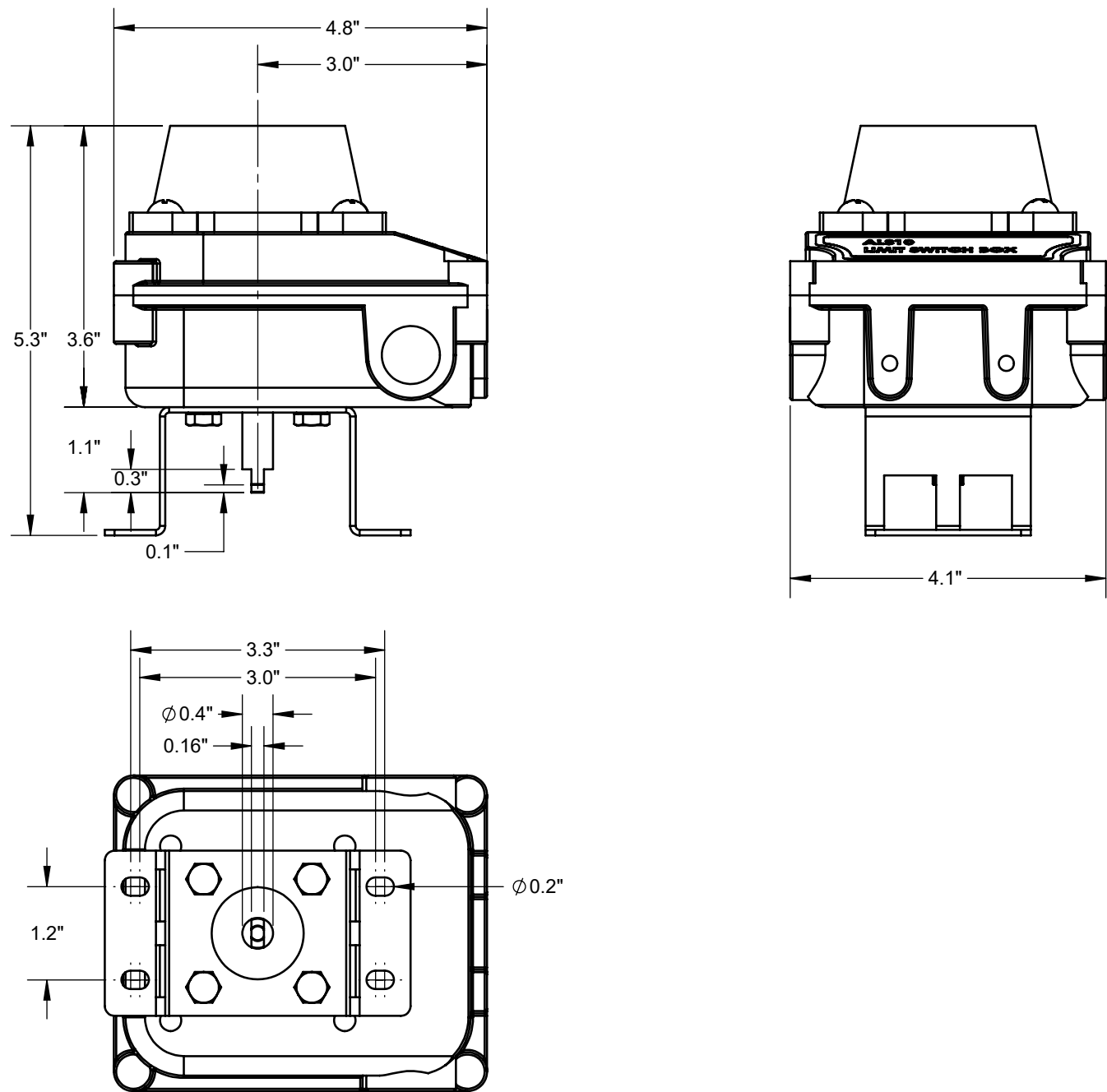
- Weight: 1.9 lbs
- Enclosure: weatherproof, IP68
- Temperature range: -4°F to 185°F (20°C to 85°C)
- Cable entry: (2) 1/2" NPT
- Position indicator: 0° to 90° indication with open (yellow) and closed (red), L and T flow indication
- Switch types: mechanical (2) SPDT
- Maximum voltage: 250VAC/VDC
- Current data
 - 0.6A 125VDC
 - 0.3A 250VDC
 - 16A 125/250VAC



XLS-B4-Series Part Number Table

Part #	Description
XLS-B4A0120P	IP68 enclosure, open/closed indicator, mechanical SPDT, (2) switches, 8 point terminal strip, (2) 1/2" NPT cable entry
XLS-B4L0120P	IP68 enclosure, L-port indicator with clear cover, mechanical SPDT, (2) switches, 8 point terminal strip, (2) 1/2" NPT cable entry
XLS-B4T0120P	IP68 enclosure, T-port indicator with clear cover, mechanical SPDT, (2) switches, 8 point terminal strip, (2) 1/2" NPT cable entry
XLS-B4AJ	replacement 2-way cover assembly
XLS-B4-IC	replacement clear cover

XLS-B4-Series Limit Switch – Dimensions



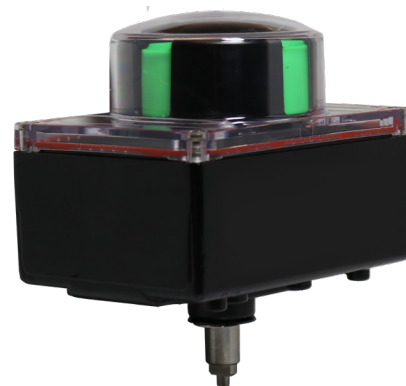
XLS-C4-Series Limit Switch

The XLS-C4-series limit switch provides a compact design and cost effective solution for both visual and remote electrical indication of rotary valve/actuator position.

This series is the ideal switch for applications requiring proximity switches or AS-interface. Hermetically sealed and solid state switch options also make the XLS-C4 series suitable for use in intrinsically safe applications and Class I Division 2 Groups A, B, C, D, and Class II Division F and G hazardous applications.

Features

- The polyester coating inside and outside as well as the stainless steel shaft make this unit ideal for use in harsh environments
- Multiple switch options include mechanical, proximity, and inductive switches
- Visual position indication: 3D beacon provides high visibility confirmation of valve actuator position
- "Easy-set" cams are splined, spring-loaded, and independently adjustable. This design offers tool-free calibration and positive vibration resistant engagement
- Standard with two 1/2" NPT cable entries



Materials

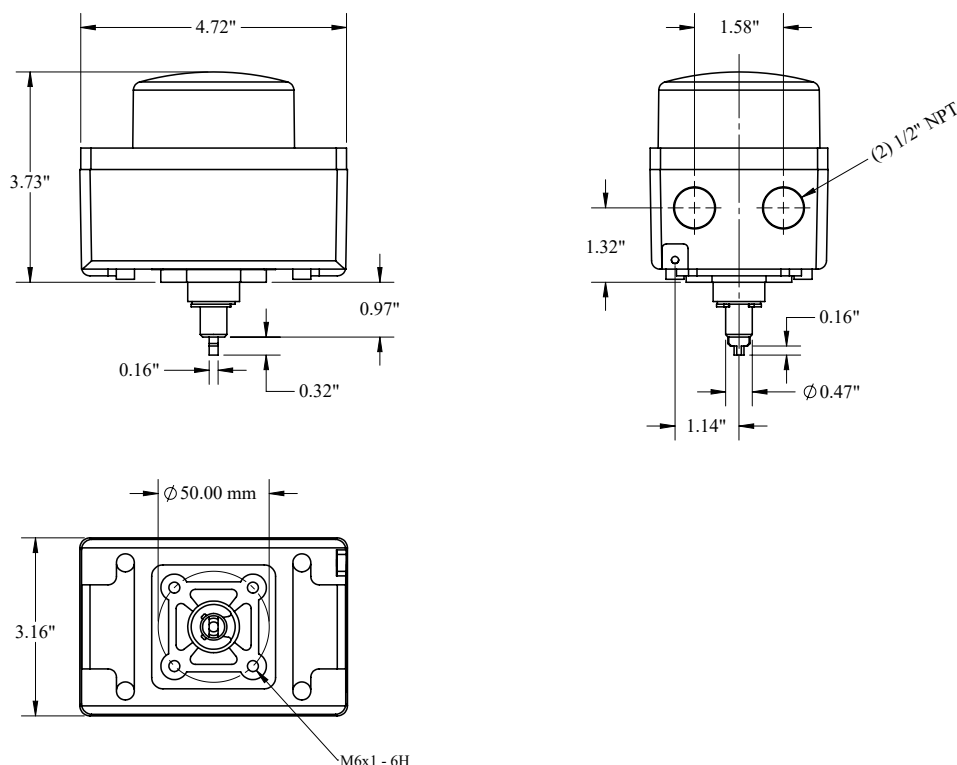
- Cover: polycarbonate, aluminum, or stainless steel
- Housing: aluminum, polyester-coated, or stainless steel
- Shaft: stainless steel
- Cam/splines: UV resistant polycarbonate
- 3D beacon: UV resistant polycarbonate
- Terminal block: stainless steel screws and PVC housing

Specifications

- Weight: 1.25 lbs
- Temperature range: **-4°F to 176°F (20°C to 80°C)**
- Approvals: UL, NEMA 4/4X Class I Division 2 Groups A, B, C, D, and Class II Division 2 Groups F and G

NOTE: See page 8 for part number key.

XLS-C4-Series Limit Switch – Dimensions



XLS-C7-Series Limit Switch

The XLS-C7 series hazardous location explosion-proof limit switch provides an effective solution for both visual and remote electrical indication of the valve/actuator position.

The heavy-duty design and wide variety of options make the XLS-C7 series the ideal limit switch for use in NEMA 7 and 9 applications.

Features

- Limit switch for both local and remote indication of valve/actuator position
- Wide variety of switch options are available
- Visual position indicator
- Quick-set adjustable cams
- Multipoint terminal strip
- Dual wire potting
- Captive cover bolts
- UL approved
 - Class I Division 1 Groups C, D and Division 2 Groups A, B, C, and D
 - Class II Division 1 Groups E, F, G and Division 2 Groups F and G
- NEMA 4, 4X, 7, and 9
- Standard NAMUR mounting

Materials

- 3D beacon: UV resistant and 94-V0 polycarbonate
- Painting: black polyester powder coating
- Cover: die chromated aluminum
- Body: die chromated aluminum
- Shaft: stainless steel
- Fasteners: stainless steel

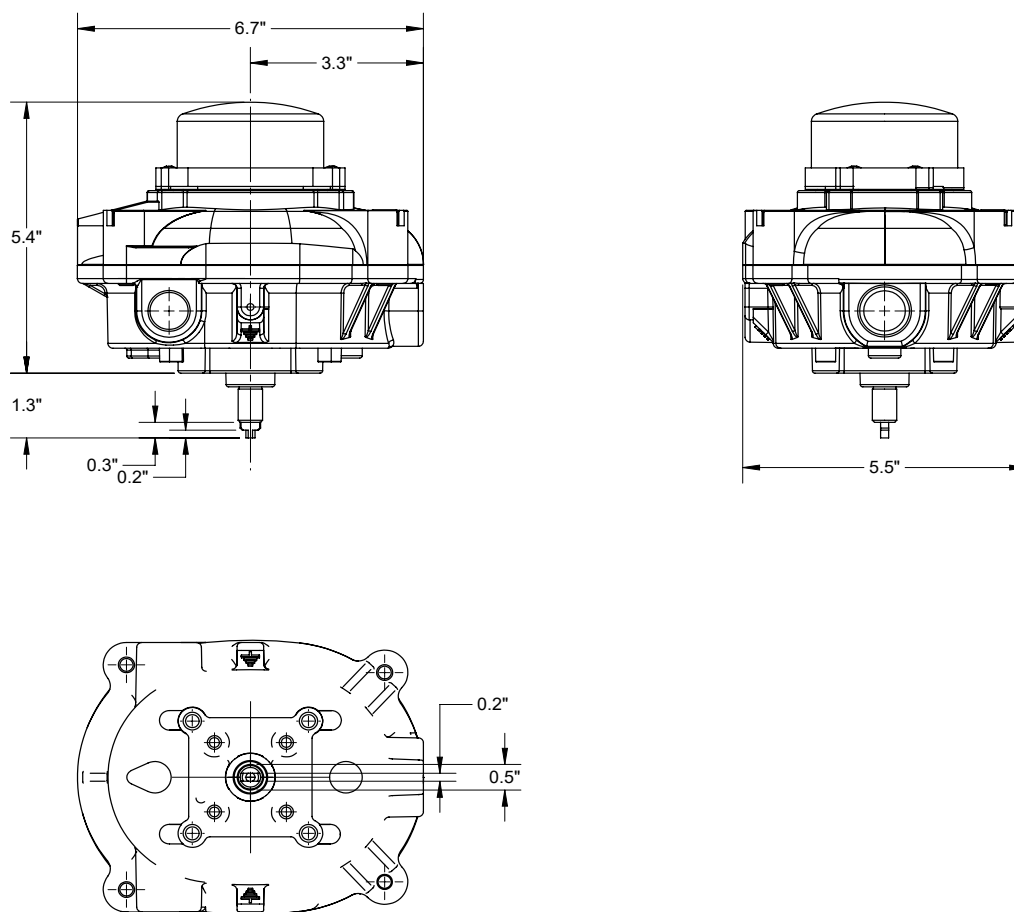
Specifications

- Weight: 4 lbs
- Cable entry: (2) 1/2" NPT
- Position indicator
- Option for NAMUR proximity switches for intrinsically safe applications
- AS-I digital communication interface card option
- Temperature range: **-4°F to 176°F (-20°C to 80°C)**
- Switch approvals
 - Class I Division 1 Groups C and D
 - Class I Division 2 Groups A, B, C, D (proximity sensors only)
 - Class II Division 1 Groups E, F, G
 - Class II Division 2 Groups F and G

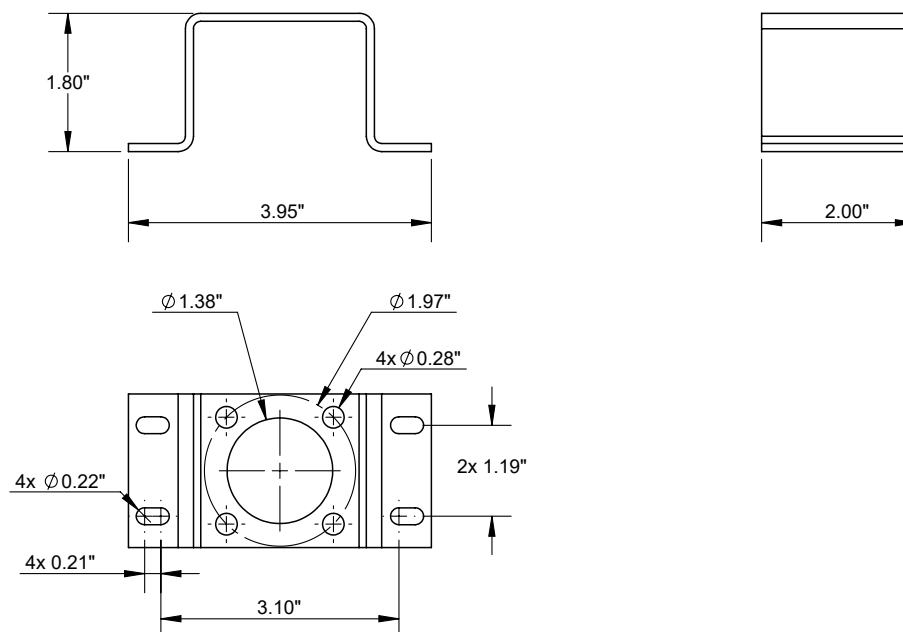
NOTE: See page 8 for part number key.



XLS-C7-Series Limit Switch – Dimensions



XLS-C-Series Limit Switch Bracket – Dimensions



NOTE: Bracket shown with XLS-C-series limit switch. Part number is LSPP-BK-S-N

XLS-C-Series Limit Switch – Part Number Key

XLS-C-Series Limit Switch Part Number Key Example: XLS-C7A0120P		Series	Enclosure	Indicator	Switch Type	Switch Quantity	Terminal Strip	Cable Entry
		XLS-C	7	A	01	2	0	P
Series	Code							
XLS-C	XLS-C							
Enclosure	Code							
IP66/67 aluminum body with polycarbonate cover	1							
IP66/67 aluminum body ATEX and IECEx intrinsically safe	3							
NEMA 4/4X aluminum body with polycarbonate cover (standard)	4							
NEMA 4/4X with 316 stainless steel enclosure	5							
NEMA 4/4X with aluminum enclosure	6							
Nema 4/4X, 7 & 9 with aluminum enclosure (explosion proof)	7							
Indicator	Code							
Open/closed	A							
L-port	L							
T-port	T							
none	N							
Switch Type	Code							
SPDT el. mech. switch silver-plated contacts	01							
SPDT el. mech. switch gold-plated contacts (required for ATEX and IECEx enclosure)	02							
SPDT magnetic reed hermetically sealed proximity switches	10							
4-20mA position transmitter	TR							
AS-Interface	AS							
Inductive sensors, 2 wires NO, 5-60 VDC operating voltage, 2-100mA operating current	32							
Inductive NAMUR sensors, 2 wires, up to SIL3, Exia ready	70							
Switch Quantity	Code							
2	2							
3	3							
4 ¹	4							
Terminal Strip	Code							
Screw terminals with solenoid connection (standard)	0							
AS-I terminal	1							
Blue screw type terminals with solenoid connection (required ATEX and IECEx enclosure)	3							
Cable Entry	Code							
2 x 2-1/2" NPT (standard)	P							
2 x M20-1.5	M							
2 x 1/2" NPT + 1 x 3/4" NPT ¹	N							

¹Available for enclosure code 7

Notes

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