

ALTERNATE ACTION, LED ILLUMINATED & SEALED

Front Mount



Raised Dome



The LP5 offers the same rugged, sealed construction as the proven P5 series with the added benefit of reliable LED illumination. It is a precision snap-action switch designed for use in off-highway, material handling, industrial controls, marine, medical and other demanding Commercial applications. Choose from the standard mounting styles and electrical ratings, or contact us for custom configurations.

Now you can design panels with both alternate and momentary action switches and have uniform panel appearance. The OTTO LP5 series features alternate action in the same pushbutton and housing configurations as the OTTO momentary LP3 series.

Push and the LP5 series switch turns "on." Push again and the LP5 switch turns "off." Positive tactile feedback is featured so the operator is clearly aware the switch mode has been actuated. The button returns to the original position after each actuation.

Features:

- **Watertight to IP68S; moistureproof & dusttight to IP64**
- **LED lighted with the ability to accommodate 2, 6, 12 & 24VDC power & includes reverse voltage protection**
- **Tall & dome style buttons in translucent white, red, amber, green and blue permitting sublimated & pad printed legends**
- **Quick disconnect terminals**
- **15/32" & 5/8" thread, press fit & dome case options**
- **RoHS compliant**

Standard Characteristics/Ratings:

ELECTRICAL RATINGS:

Load	Sea Level @ 28VDC or 115VAC
Resistive	5A
Inductive	3A
Lamp	1A
Motor	3A
DWV	1000Vrms through switch contacts only
Logic Level	10mA @ 5VDC

Electrical Life: Standard 25,000 cycles, Logic Level 200,000 cycles

LIGHTING:

Light Source Voltage (DC)	Typ. Forward Voltage (DC)	Voltage Max (DC)
2*	1.9 to 3.3 (dep. on color)	2.5 to 4 (dep. on color)
6	6	8
12	12	14.5
24	24	28.6

Mechanical Life: 200,000 cycles

Seal: Unsealed, IP64 or IP68S

Operating Temp Range: -55°C to +85°C

Operating Force: 3.0 lbs. +1.0/-0.5 lb.

Total Travel: 0.180 inches max

Overtravel: 0.012 inches min

MATERIALS:

Case: Anodized aluminum alloy

Button: Thermoplastic

Mounting Hardware: Hex nut, lockwasher, and panel gasket (watertight only)

LP5 PART NUMBER CODE

LP5	-	X	X	X	X	X	-	XX
Case Style	Circuit Rating	Light Source Type w/ Rev. Pol Protection	Seal Level	Case Color	Button Color	Legend Style		
E. Exposed Dome	1. SPST/Std.	A. 2V Red LED*	S. 2V Deep Green LED*	1. Unsealed	1. Silver	A. Amber, Translucent (use Amber LED)	Refer to Legend Table for legend codes in Appendix. Legends will be printed in white on amber, red, green, and blue buttons and in black on white buttons.	STOP HERE for illuminated switches without legends.
F. Flush Dome	2. SPDT/Std.	B. 2V Green LED*	T. 6V Deep Green LED	2. Dusttight	2. Black	R. Red, Translucent (use Red LED)		
R. Raised Dome	3. SPST/Logic Level	C. 2V Amber LED*	U. 12V Deep Green LED	3. Watertight		W. White, Translucent (use Green LED)		
1. Press Fit Mount	4. SPDT/Logic Level	D. 6V Red LED	V. 24V Deep Green LED			G. Green, Translucent (use Green LED)		
3. 5/8" Thread Front Mount		E. 6V Green LED	1. 2V White LED*			B. Blue, Translucent (use Blue LED)		
4. 15/32" Thread Rear Mount		F. 6V Amber LED	2. 12V White LED					
6. 5/8" Thread Rear Mount		G. 12V Red LED	3. 24V White LED					
		H. 12V Green LED						
		J. 12V Amber LED						
		K. 24V Red LED						
		L. 24V Green LED						
		M. 24V Amber LED						
		N. 2V Blue LED*						
		P. 6V Blue LED						
		Q. 12V Blue LED						
		R. 24V Blue LED						

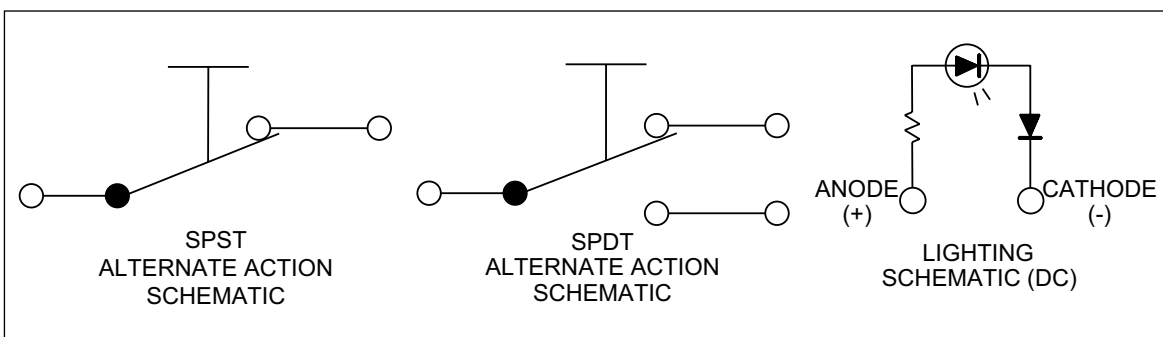
* 2V LED's are intended for use with an external resistor. See LED voltage chart in appendix for details on the approximate value of the resistor. See appendix for complete voltage/ratings table.

For super bright LEDs, contact factory.

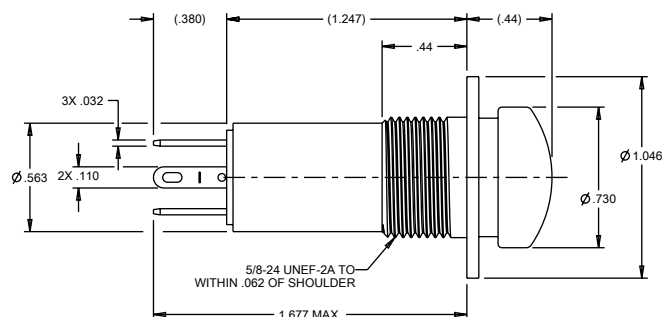
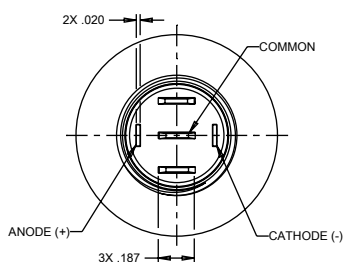
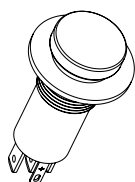
ILLUMINATED ALTERNATE ACTION PUSHBUTTONS

LP5
ILLUMINATED
PUSHBUTTONS

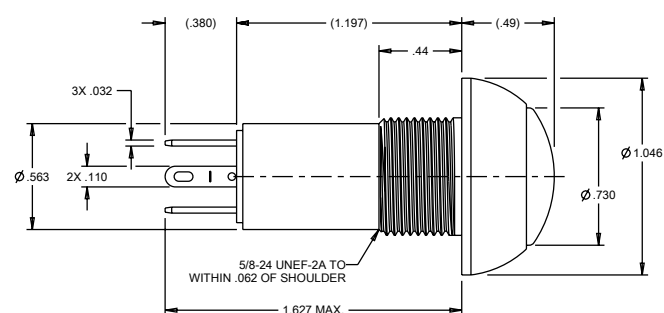
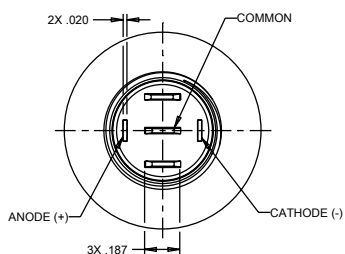
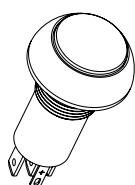
ALTERNATE ACTION, LED ILLUMINATED & SEALED



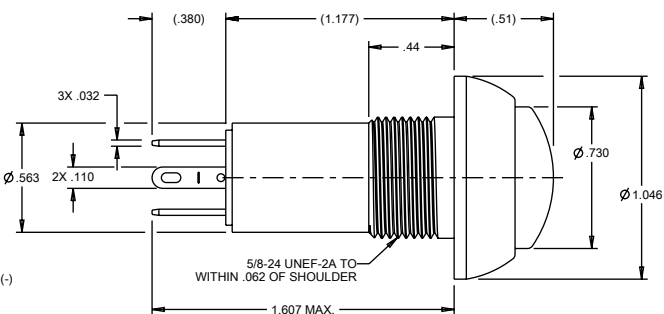
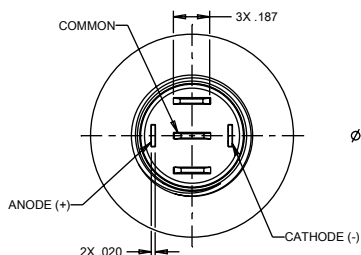
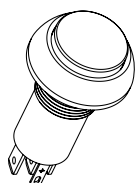
LP5-EXXXXX
Alternate Action, Exposed Dome Button



LP5-FXXXXX
Alternate Action, Flush Dome Button



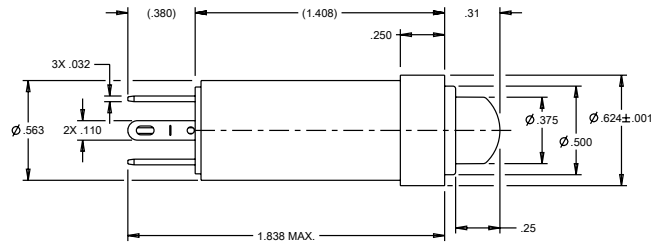
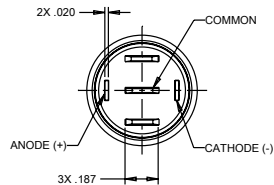
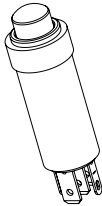
LP5-RXXXXX
Alternate Action, Raised Dome Button



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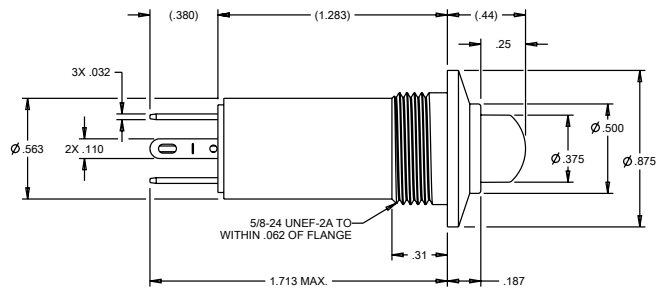
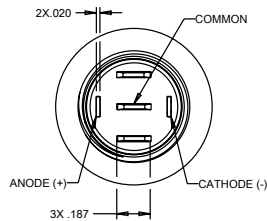
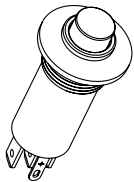
LP5-1XXXXX

Alternate Action, Press Fit Mount



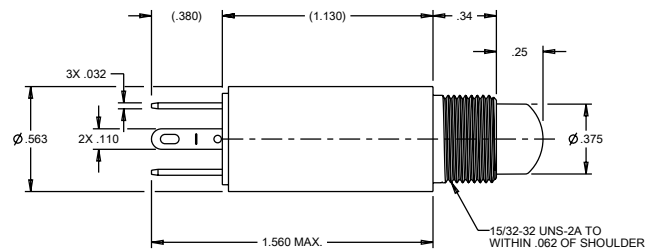
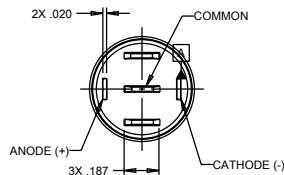
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Alternate Action, 5/8" Threaded Front Mount



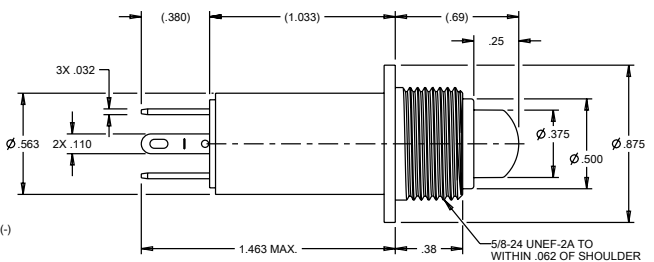
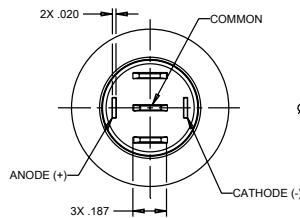
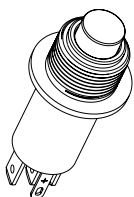
LP5-4XXXXX

Alternate Action, 15/32" Threaded Rear Mount



LP5-6XXXXX

Alternate Action, 5/8" Threaded Rear Mount



NOTE:
For indicator light only,
see LPL indicator light pages 153-155.

Mouser Electronics

Authorized Distributor

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[LP5-31M31A](#) [LP5-F1A31W-M6](#) [LP5-14G32R](#) [LP5-F3K32R-E6](#) [LP5-F1L32W](#) [LP5-F3K22R](#) [LP5-R1J22W](#) [LP5-](#)
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[LP5-41D22R](#) [LP5-62G32R](#) [LP5-63K32R](#) [LP5-F2L32W-S1](#) [LP5-32H32W](#) [LP5-41D32R](#) [LP5-F1H22W](#) [LP5-F3L32W-](#)
[B2](#) [LP5-R1H32W-F1](#) [LP5-32K32W](#) [LP5-33H22W](#) [LP5-42H31W](#) [LP5-F3K32W](#) [LP5-R1H22W](#) [LP5-31J31A](#) [LP5-](#)
[13D32R](#) [LP5-R3A32R](#) [LP5-R3G31W](#) [LP5-R3K32R-M2](#) [LP5-31B22W](#) [LP5-F3L32W](#) [LP5-R1B32W](#) [LP5-R2L31W](#)
[LP5-R3A32W](#) [LP5-R3G32W-L9](#) [LP5-E3A31R](#) [LP5-F1G12R](#) [LP5-F1G22R-M2](#) [LP5-F1M22W](#) [LP5-F2H32W](#) [LP5-](#)
[F3A32W](#) [LP5-62K22R](#) [LP5-F1D32R](#) [LP5-31H31W](#) [LP5-33K31W](#) [LP5-62H32W](#) [LP5-E1B32W](#) [LP5-F1J31W](#) [LP5-](#)
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[31M31W](#) [LP5-33K32R](#) [LP5-62K32R](#) [LP5-F1M22A](#) [LP5-F2M32A](#) [LP5-F3M32A](#) [LP5-F4G32R](#) [LP5-R1K32R](#) [LP5-](#)
[E2H32W-L3](#) [LP5-F2F32A](#) [LP5-F2J32A](#) [LP5-R1G21R](#) [LP5-R1J32A-M2](#) [LP5-R2L32W](#) [LP5-12B32W](#) [LP5-E2A32R](#)
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[R1G32R](#)