ALTERNATE ACTION, LED ILLUMINATED & SEALED

Front Mount



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
- Less than $25m\Omega$ contact resistance
- **Quick disconnect terminals**
- 15/32" & 5/8" thread, press fit & dome case options

3. SPST/Logic Level

4. SPDT/Logic Level

RoHS/WEEE/Reach compliant

Raised Dome

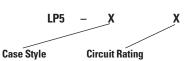


Al'

PUSHBUTTONS

Standard Character	istics/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	10-100mA @ 3-28V, max DC		
Electrical Life:	Standard 25,000 cycles, Logic Level 200,000 cycles		
LIGHTING:			
Light Source Voltage (D	C) 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		
Mechanical Life: Seal:	200,000 cycles IP64 or IP68S		
	IP64 or IP68S		
Seal:	IP64 or IP68S		
Seal: Operating Temp Range:	IP64 or IP68S -55°C to +85°C		

24	24	28.6
Mechanical Life:	200,000 cycles	
Seal:	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 (wat	ertight only)



- E. Exposed Dome
- F. Flush Dome
- R. Raised Dome 1. Press Fit Mount
- 3. 5/8" Thread Front Mount
- 4. 15/32" Thread Rear Mount
- 6. 5/8" Thread Rear Mount

Light Source Type w/ Rev. Pol Protection

- 1. SPST/Std. A. 2V Red I FD* 2. SPDT/Std.
 - B. 2V Green LED* C. 2V Amber LED*

 - - E. 6V Green LED
 - F. 6V Amber LED
 - G. 12V Red LED

 - J. 12V Amber LED

 - M.24V Amber LED

 - P. 6V Blue LED

 - S. 2V Deep Green LED*
 - T. 6V Deep Green LED



- D. 6V Red LED
- H. 12V Green LFD
- K. 24V Red LED
- L. 24V Green LED
- N. 2V Blue LED*
- Q. 12V Blue LED
- R. 24V Blue I FD
- U. 12V Deep Green LED
- V. 24V Deep Green LED

LP5 PART NUMBER CODE

- 1. Unsealed
- 2. Dusttight
- 3. Watertight

Case Color

- 1. Silver
- 2. Black

Button Color

- A. Amber, Translucent (use Amber LED)
- R. Red, Translucent (use Red LED)
- W.White, Translucent G. Green, Translucent
- (use Green LED)
- B. Blue, Translucent (use Blue LED)

Legend Style

ΧX

- 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

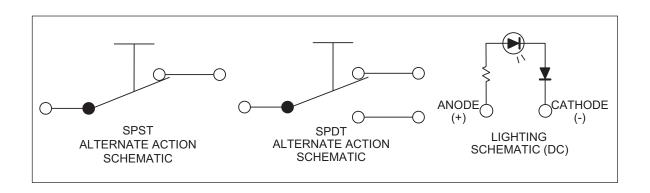
illuminated switches without legends.

* The "2 volt" switches are intended to have a resistor added in series into the lighting circuit by the customer. See appendix for complete voltage/ratings table.

For super bright LEDs, contact factory.

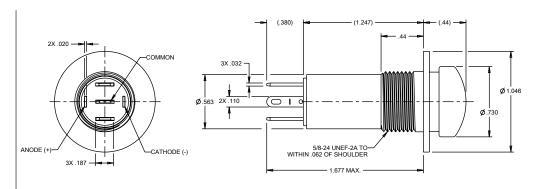
ILLUMINATED ALTERNATE ACTION PUSHBUTTONS

ALTERNATE ACTION, LED ILLUMINATED & SEALED



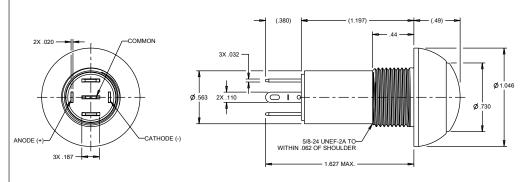
LP5-E Alternate Action, Exposed Dome Button





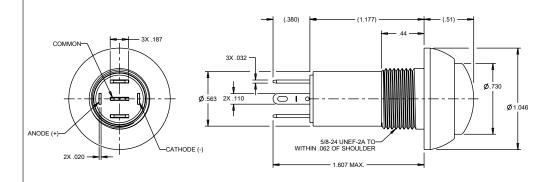
LP5-F Alternate Action, Flush Dome Button





LP5-R Alternate Action, Raised Dome Button



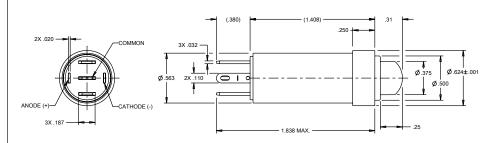


ALTERNATE ACTION, LED ILLUMINATED & SEALED

LP5-1

Alternate Action, Press Fit Mount

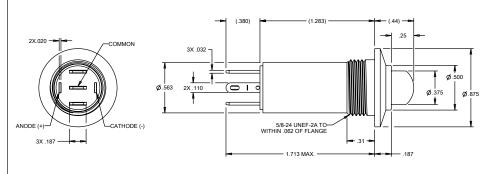




LP5-3

Alternate Action, 5/8" Threaded Front Mount

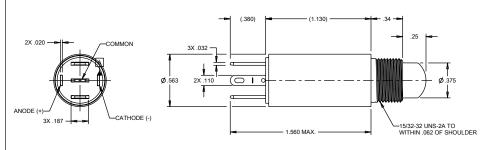




LP5-4

Alternate Action, 15/32" Threaded Rear Mount





LP5-6

Alternate Action, 5/8" Threaded Rear Mount



NOTE: For indicator light only, see LPL indicator light pages 125-127.

