SEALED ILLUMINATED DOME PUSHBUTTONS

MOMENTARY ACTION COMMERCIAL GRADE LED ILLUMINATED & WATERTIGHT SEALED

The OTTO LP9 Lighted Dome series is a quality precision switch designed for use in panels, control grips, instruments, heavy equipment and other demanding applications where attractive, rugged, lighted pushbutton switches are required.

The LP9 series offers a positive tactile feedback, signaling the operator when the switch is operated with the added benefit of reliable LED illumination. The LP9 series offers four button versions; flush and raised profile with either a glossy or matte finish. It also comes with a threaded case for hex nut mounting while providing a short behind panel depth.

The LP9 series is constructed to meet IP68S watertight seal. Expect 25,000 operations at full rated load.

These momentary snap-action double break switches are available in standard and low operate forces. The LED is available in six colors and has the ability to accommodate 2 or 12VDC.

Features:

- Watertight to IP68S
- LED lighting available in 6 colors with the ability to accommodate 2 or 12VDC
- Flush & raised button style
- Matte or glossy button finish
- Full button illumination style available with glossy button finish
- Positive tactile feedback contact transfer
- Withstands shock & vibration
- Short behind panel depth
- **RoHS** compliant







Standard Characteristics/Ratings:						
ELECTRICAL RATINGS: Ratings at 28 VDC or 115 VAC						
Load	N.O./N.C.	2 Circuit	Cycles	Operating Force		
Resistive:	5A	4A	25,000	Standard		
Inductive:	3A	2A	25,000	Standard		
Resistive:	500mA	_	500,000	Standard		
Resistive:	200mA	_	500,000	Low		
DWV	1000Vrms through switch contacts only					
Logic Level	10mA @ 5VDC 1,000,000					
Electrical Life:	See Rating Chart					
MECHANICAL:						
Mechanical Life:	1,000,000 cycles					
Seal:	IP68S					
Operating Temp Range:	-40°C to +85°C					
Operating Force:	1.7 +/- 0.5 lb. (standard force) 0.75 +/- 0.25 lb. (low force)					
Total Travel:	0.080 inches max					
Overtravel:	0.010 inches min					
MATERIALS:						
Case:	Thermoplastic					
Button:	Thermoplastic					
Terminals:	Brass with gold					
Mounting Hardware:	Hex nut, lockwasher and panel gasket for round/threaded style case Panel gasket for snap-in style case only					

LP9 PAKT NUMBER CUDE							
LP9 –	X X	X	X	Χ	X X	X	
Button Style*	Case Style*	Terminal Style	Circuit Form	Operating Force	Light Source	Case Color	Button Color
 Flush Dome Standard Finish - Lightpipe 	 Standard Round Bezel Threaded 	1. Solder 2. PC Pin	1. N.O. 2. N.C.	1. Standard Force Snap-Action	A. 2V Red LED** B. 2V Green LED**	1. Red 2. Black	1. Red 2. Black
2. Raised Dome Standard Finish - Lightpipe	2 . Standard Round Bezel Snap-In		3. 2 Circuit	2. Low Force Snap-Action	C. 2V Amber LED** D. 2V Blue LED**	3. Orange ① 4. Yellow ①	3. Orange 4. Yellow
Flush Dome Matte Finish Lightpipe					E. 2V White LED** F. 12V Red LED	5. Green ① 6. Blue ①	5. Green 6. Blue
 Raised Dome Matte Finish Lightpipe 					G. 12V Green LEDH. 12V Amber LED	7. Violet ① 8. Gray ①	7. Violet 8. Gray
5. Flush Dome Standard Finish - Fully Illuminated ①					J. 12V Blue LEDK. 12V White LED	9. White	9. White A. Translucent White ②

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6. Raised Dome Standard Finish -Fully Illuminated ①

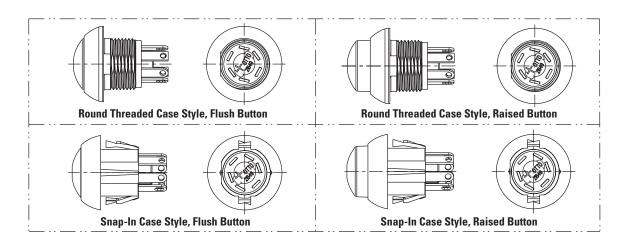
^{*} Button and case will be of the same texture. For all mixed gloss/matte combination options, contact factory.

^{** 2}V 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.

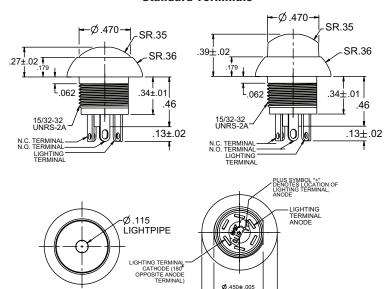
① For minimum requirement, contact factory.

² Full illumination button styles available with translucent Button Color selection A only.

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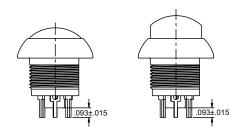
Standard Terminals

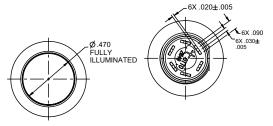


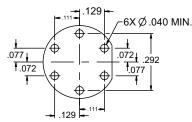
RECOMMENDED PANEL OPENINGS FOR SNAP-IN STYLE CASE					
PANEL THICKNESS	RECOMMENDED \emptyset	DIM. ACROSS D-FLAT			
.024	Ø.505	.460			
.118	Ø.505	.460			

Ø.690

PC Pin Terminals (Full Illumination Option Shown)







COMPONENT SIDE P.C. MOUNTING PATTERN,
CASE FLAT ON RIGHT AS DEPICTED IN SWITCH VIEW

