

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.

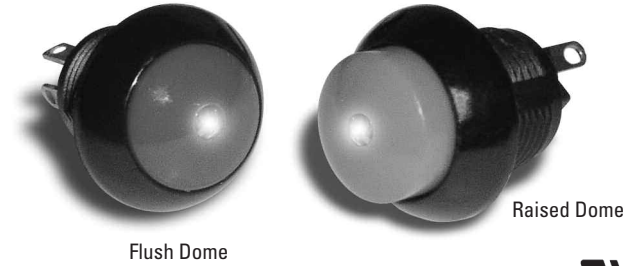
The LP9 series offers a positive tactile feedback, signaling the operator when the switch is operated with the added benefit of reliable LED illumination. The LP9 series offers four button versions; flush and raised profile with either a glossy or matte finish. It also comes with a threaded case for 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 of 5 amps resistive or 3 amps inductive; 500,000 operations at 500mA/200mA resistive.

The LP9 series are momentary snap-action double break switches, available in standard and low operate forces. The LED is available in five colors and has the ability to accommodate 2 or 12VDC.

Features:

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



Standard Characteristics/Ratings:

ELECTRICAL RATINGS:				Sea Level @ 28VDC or 115VAC, 60/400Hz			
Load		N.O./N.C.		Cycles		Operating Force	
Resistive		5A		25,000		Standard	
Inductive		3A		25,000		Standard	
Resistive		500mA		500,000		Standard	
Resistive		200mA		500,000		Low or Standard	
DVV		1050Vrms					
Low Level		10mA @ 30mV		25,000			
Electrical Life:		See Rating Chart					
LIGHTING:							
Light Source Voltage (DC)		Actual Voltage Nominal (DC)		Voltage Max (DC)			
2		2		2.6			
12		13.5		14.5			
Mechanical Life:		1,000,000 cycles					
Seal:		IP68S					
Operating Temp Range:		-55°C to +85°C					
Operating Force:		1.7 +/- 0.5 lb. (standard force) 12 +/- 4 oz (low force)					
Total Travel:		0.080 inches max					
Overtravel:		0.010 inches min					
MATERIALS:							
Case:		Thermoplastic					
Button:		Thermoplastic					
Terminals:		Brass with gold plate over silver plate					
Mounting Hardware:		Hex nut and lockwasher for round/threaded style case only Panel gasket for snap-in style case only					

LP9 PART NUMBER CODE

LP9	-	X	X	X	X	X	X	X
Button Style*	Case Style*	Terminal Style	Circuit Form	Operating Force	Light Source	Case Color	Button Color	
1. Flush	1. Round/Threaded	1. Solder	1. N.O.	1. Standard Snap-Action	A. 2V Red LED	1. Red	1. Red	
2. Raised	2. Snap-In	2. PC Pin	2. N.C.	2. Low Force Snap-Action	B. 2V Green LED	2. Black	2. Black	
3. Flush Matte			3. 2 Circuit		C. 2V Amber LED	3. Orange**	3. Orange	
4. Raised Matte					D. 2V Blue LED	4. Yellow**	4. Yellow	
					E. 2V White LED	5. Green**	5. Green	
					F. 12V Red LED	6. Blue**	6. Blue	
					G. 12V Green LED	7. Violet**	7. Violet	
					H. 12V Amber LED	8. Gray**	8. Gray	
					J. 12V Blue LED	9. White	9. White	
					K. 12V White LED			

* Button and case will be of the same texture.

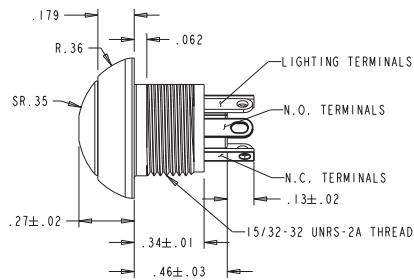
For all mixed gloss/matte combination options, contact factory.

** For minimum requirement, contact factory.

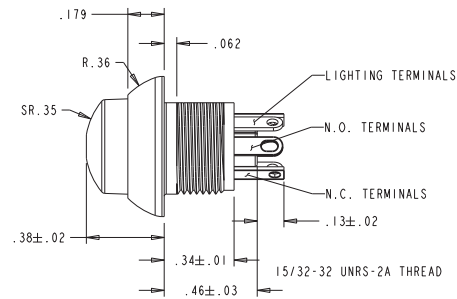
ILLUMINATED SEALED DOME PUSHBUTTONS

LP9
ILLUMINATED
PUSHBUTTONS

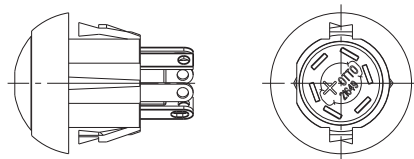
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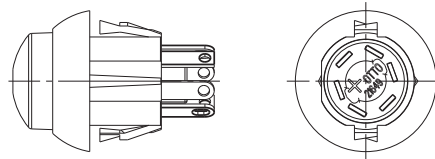
Round Threaded Case Style, Flush Button



Round Threaded Case Style, Raised Button

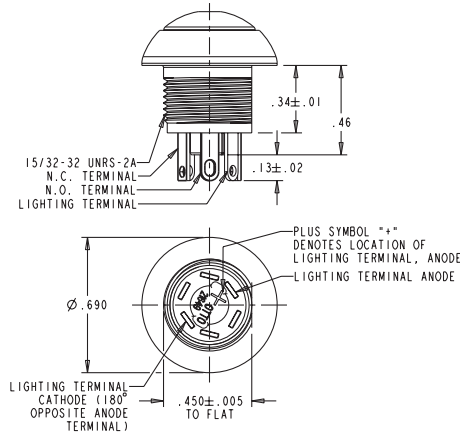


Snap-In Case Style, Flush Button

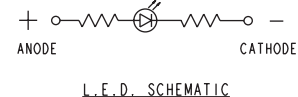
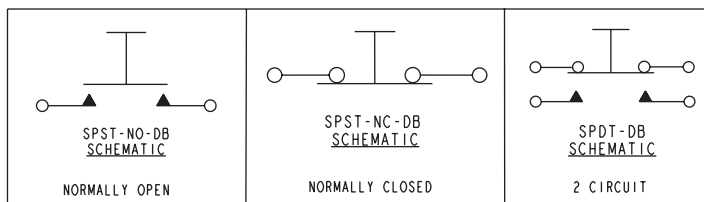
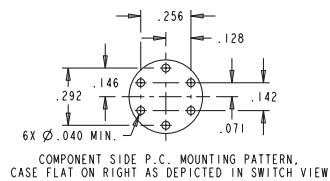
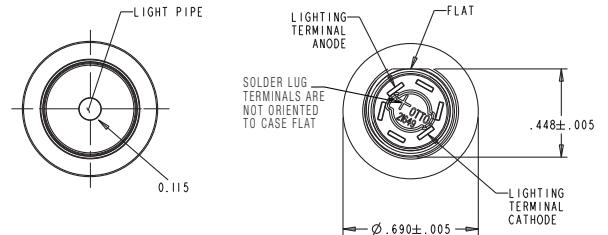
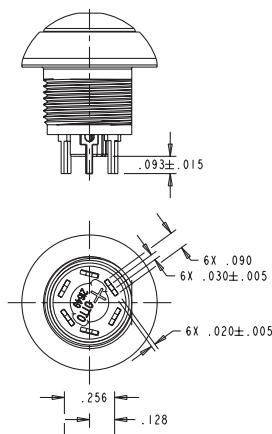


Snap-In Case Style, Raised Button

Standard Terminals (Terminals not oriented to flat.)



PC Terminals (Orientated to case flats as shown.)



Mouser Electronics

Authorized Distributor

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OTTO:

[LP9-31131A25](#) [LP9-11132K29](#)