

## COMMERCIAL GRADE LED LIGHTED AND 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. Also comes with a threaded case for hex nut mounting while providing a short behind-panel depth.

The LP9 series is constructed to meet the IP68 watertight seal. Expect a minimum of 25, 0000 operations at full rated load of 5 amperes resistive or 3 amperes inductive; up to 500,000 operations in low level switching.

The LP9 series are momentary snap action double break switches, available in standard and low operate forces. The LED is available in 5 colors and has the ability to accommodate 2 and 12 VDC



**Flush Dome**



**Raised Dome**

### Quality Features:

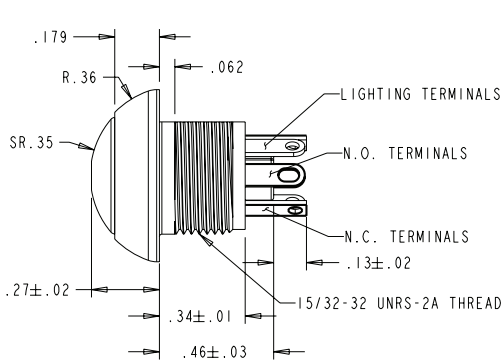
- **Watertight per IP68 (submersible to 1 meter water pressure)**
- **LED lighted with the ability to accommodate 2 and 12 VDC**
- **LED available in 5 colors**
- **Flush and raised button style**
- **Matte and glossy button finish**
- **Positive tactile feedback contact transfer**
- **Withstands extreme shock and vibration**
- **Short behind panel depth**

Standard Characteristics/Ratings:			
<b>OPERATIONAL:</b>			
<b>Mechanical Life:</b>	500,000 cycles		
<b>Seal:</b>	Watertight per IP68		
<b>Operating Force:</b>	Standard 1.7 ± .5 lbs. Low Force: 12 ± 4oz		
<b>Total Travel:</b>	.080 max		
<b>Temperature Range:</b>	-55°C to + 85°C		
<b>Button:</b>	Thermoplastic		
<b>Case:</b>	Thermoplastic		
<b>Lightpipe:</b>	Thermoplastic		
<b>Mounting Hardware:</b>	Hexnut, lockwasher and panel seal Torque hexnut within 4 in/oz min and 10 in/oz max		
<b>Contacts:</b>	Gold plated silver alloy		
<b>ELECTRICAL RATINGS: (at 28 VDC or 115 VAC)</b>			
<b>LOAD</b>	<b>N.O./N.C.</b>	<b>CYCLES</b>	<b>OPERATING FORCE</b>
Resistive	5A	25,000	Standard
Inductive	3A	25,000	Standard
Resistive	500mA	500,000	Standard
Resistive	200mA	500,000	Low or Standard
DWV	1050 VRMS		

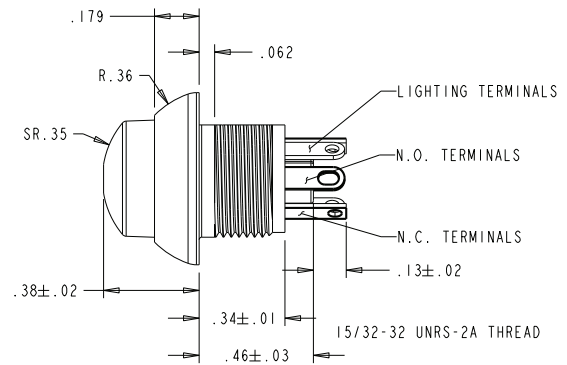
# LIGHTED SEALED DOME PUSHBUTTONS

**LP9**  
LIGHTED  
PUSHBUTTON

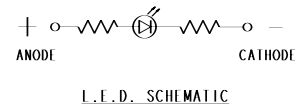
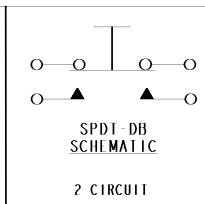
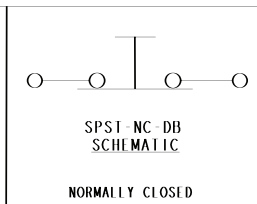
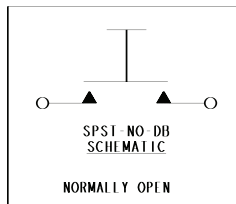
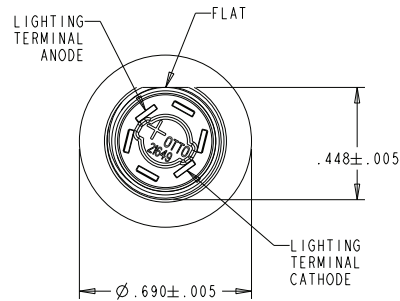
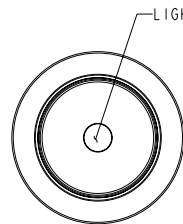
COMMERCIAL GRADE LED LIGHTED AND WATERTIGHT SEALED



FLUSH BUTTON - ROUND THREADED



RAISED BUTTON - ROUND THREADED



## LP9 Part Number Code

Button Style	Case Style	Terminal Style	Circuit Form	Switch Action	Light Source	Case Color	Button Color
1. Flush	1. Round/Threaded	1. Solder	1. N.O.	1. Standard	A. 2V Red LED	1. Red	1. Red
2. Raised			2. N.C.	Snap-Action	B. 2V Green LED	2. Black	2. Black
3. Flush Matte			3. 2 Circuit	2. Low Force	C. 2V Amber LED	3. Orange**	3. Orange
4. Raised Matte				Snap-Action	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		

\*\* Minimum quantity required

PUSHBUTTONS