ILLUMINATED SEALED 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 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.



Flush Dome

Also available with Raised Dome

Features:

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

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
DWV	1050Vrms through switch contacts only		
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:	Silver with gold 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 X

Button Style*
1. Flush
2. Raised
3. Flush Matte
4. Raised Matte

Case Style*
1. Round/Threaded
2. Snap-In

Terminal Style
1. Solder
2. PC Pin

Circuit Form
1. N.O.
2. N.C.
3. 2 Circuit

Operating Force
1. Standard Snap-Action
2. Low Force Snap-Action

Light Source
A. 2V Red LED
B. 2V Green LED
C. 2V Amber LED
D. 2V Blue LED
E. 2V White LED
F. 12V Red LED
G. 12V Green LED
H. 12V Amber LED
J. 12V Blue LED
K. 12V White LED
L. 2V Deep Green LED
M. 12V Deep Green LED

Case Color
1. Red
2. Black
3. Orange**
4. Yellow**
5. Green**
6. Blue**
7. Violet**
8. Gray**
9. White

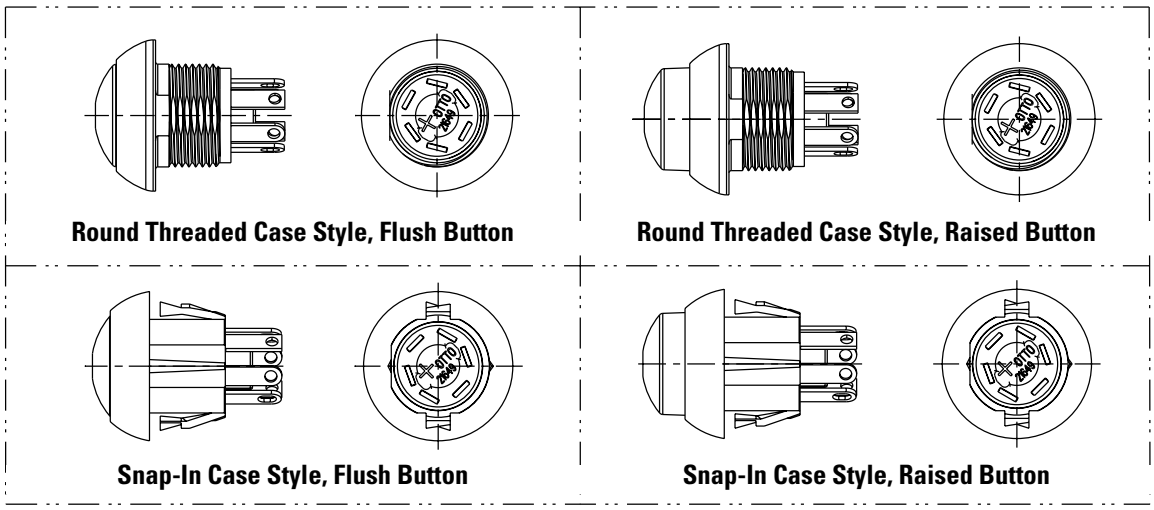
Button Color
1. Red
2. Black
3. Orange
4. Yellow
5. Green
6. Blue
7. Violet
8. Gray
9. White

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

** For minimum requirement, contact factory.

Specifications Subject To Change Without Notice

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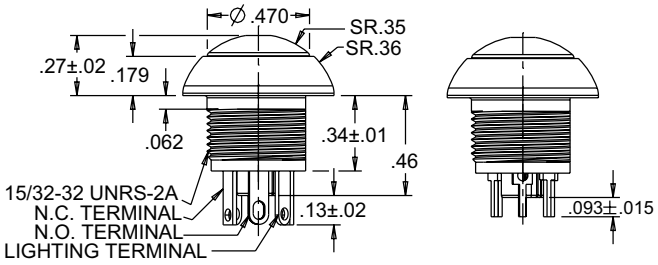
Round Threaded Case Style, Flush Button

Round Threaded Case Style, Raised Button

Snap-In Case Style, Flush Button

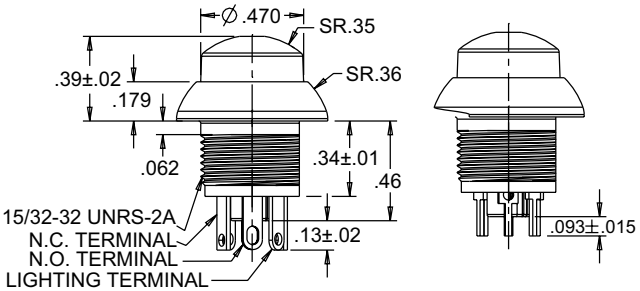
Snap-In Case Style, Raised Button

Standard Terminals **P.C. Terminals**



FLUSH BUTTON ROUND THREADED

Standard Terminals **P.C. Terminals**



RAISED BUTTON ROUND THREADED

