



## 249 Series 3/8" Mounting Hole Panel Mount Indicators

### Features & Benefits

- RoHS Compliant
- Long life – typically 100K hours
- Low power consumption – uses up to 90% less energy than an incandescent indicator
- Front or rear panel mounting
- Available in either cylindrical or stovepipe lens, unique internal fresnel design provides uniform illumination
- Aluminum black anodized housing enhances contrast
- No heat generated
- Resistant to shock and vibration
- Colors include – red, green, yellow and blue
- Polarity indication by terminal (+) denotes anode



### Application

Dialight's 249 series LED panel mount indicator is available with a variety of LEDs as well as neon for 120 VAC operation. Typical applications for the 249 series include:

- Main and remote power indication
- Status indication
- Maintenance and warning indication
- Instrumentation
- Process Control and many more!

### Mechanical Information

Mounting Hole Size: 0.375" (9.53 mm)

Max Panel Thickness: 0.312" (7.92 mm)

Mounting Torque: 8-10 in-lbs torque

### Electrical Specifications

Operating Voltage: 3.6, 5, 10, 14 and 28V DC

Operating Temp: -20°C to +71°C

Storage Temp: -40° to +71°C

Electrical connection: Turret terminals for wire wrapping

### Construction

Housing: Aluminum - Black Anodize

Terminals: Phosphor Bronze - Fused Tin

Knurled Flange Nut: Aluminum - Black Anodize

Lock Washer: Phosphor Bronze - White Nickel Plated

Nut: Brass - White Nickel Plated

Dialight recommends tolerance of 5% of specified voltage range

### STOVEPIPE LENS

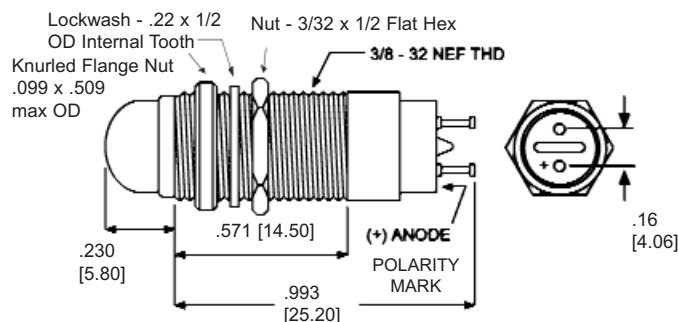


Figure 1

#### NOTES:

1. Dimensions in inches [mm]
2. All measurements are typical
3. Hardware includes knurled ring, lock washer & hex nut

### CYLINDRICAL LENS 1

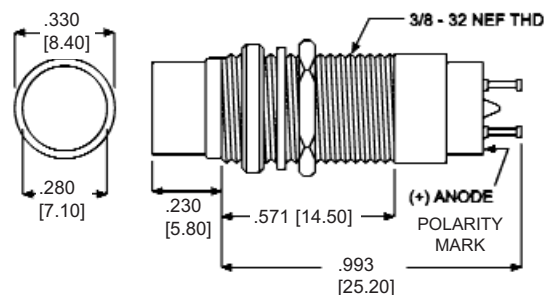


Figure 2

1. Cylindrical lens will provide wider viewing angle.

# 249 Series 3/8" Mounting Hole Panel Mount Indicators

| Part Number        | Color  | Voltage (VDC)* | Current (mA) | Intensity typ (mcd) | Figure |
|--------------------|--------|----------------|--------------|---------------------|--------|
| Stovepipe Cap      |        |                |              |                     |        |
| 249-4162-3734-504F | Blue   | 3.5**          | 10           | 1500                | 1      |
| 249-7867-3731-504F | Red    | 3.6            | 20           | 170                 | 1      |
| 249-7967-3732-504F | Green  | 3.6            | 20           | 100                 | 1      |
| 249-8067-3733-504F | Yellow | 3.6            | 20           | 150                 | 1      |
| 249-4164-3734-504F | Blue   | 5              | 10           | 1500                | 1      |
| 249-7868-3731-504F | Red    | 5              | 20           | 170                 | 1      |
| 249-7968-3732-504F | Green  | 5              | 20           | 100                 | 1      |
| 249-8068-3733-504F | Yellow | 5              | 20           | 150                 | 1      |
| 249-4166-3734-504F | Blue   | 10             | 10           | 1500                | 1      |
| 249-7870-3731-504F | Red    | 10             | 20           | 170                 | 1      |
| 249-7970-3732-504F | Green  | 10             | 20           | 100                 | 1      |
| 249-8070-3733-504F | Yellow | 10             | 20           | 150                 | 1      |
| 249-4167-3734-504F | Blue   | 14             | 10           | 1500                | 1      |
| 249-7871-3731-504F | Red    | 14             | 20           | 170                 | 1      |
| 249-7971-3732-504F | Green  | 14             | 20           | 100                 | 1      |
| 249-8071-3733-504F | Yellow | 14             | 20           | 150                 | 1      |
| 249-4168-3734-504F | Blue   | 28             | 10           | 1500                | 1      |
| 249-7872-3731-504F | Red    | 28             | 20           | 170                 | 1      |
| 249-7972-3732-504F | Green  | 28             | 20           | 100                 | 1      |
| 249-8072-3733-504F | Yellow | 28             | 20           | 150                 | 1      |
| Cylindrical Cap    |        |                |              |                     |        |
| 249-4162-3334-504F | Blue   | 3.5**          | 10           | 700                 | 2      |
| 249-7867-3331-504F | Red    | 3.6            | 20           | 55                  | 2      |
| 249-7967-3332-504F | Green  | 3.6            | 20           | 40                  | 2      |
| 249-8067-3333-504F | Yellow | 3.6            | 20           | 75                  | 2      |
| 249-4164-3334-504F | Blue   | 5              | 10           | 700                 | 2      |
| 249-7868-3331-504F | Red    | 5              | 20           | 55                  | 2      |
| 249-7968-3332-504F | Green  | 5              | 20           | 40                  | 2      |
| 249-8068-3333-504F | Yellow | 5              | 20           | 75                  | 2      |
| 249-4166-3334-504F | Blue   | 10             | 10           | 700                 | 2      |
| 249-7870-3331-504F | Red    | 10             | 20           | 55                  | 2      |
| 249-7970-3332-504F | Green  | 10             | 20           | 40                  | 2      |
| 249-8070-3333-504F | Yellow | 10             | 20           | 75                  | 2      |
| 249-4167-3334-504F | Blue   | 14             | 10           | 700                 | 2      |
| 249-7871-3331-504F | Red    | 14             | 20           | 55                  | 2      |
| 249-7971-3332-504F | Green  | 14             | 20           | 40                  | 2      |
| 249-8071-3333-504F | Yellow | 14             | 20           | 75                  | 2      |
| 249-4168-3334-504F | Blue   | 28             | 10           | 700                 | 2      |
| 249-7872-3331-504F | Red    | 28             | 20           | 55                  | 2      |
| 249-7972-3332-504F | Green  | 28             | 20           | 40                  | 2      |
| 249-8072-3333-504F | Yellow | 28             | 20           | 75                  | 2      |

\* Dialight recommends tolerance of 5% of specified voltage range

\*\* VF typical - Requires current limiting resistor



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