PVL SERIES PILOT INDICATOR

Applications / Markets

RoHS

Specifications

Contact Arrangement: Lamp indicator
Operating/Storage Temperature: -25°C to 55°C
Lamp Life: 40,000 Hours Nominal
Ingress Protection: IP67
Panel Thickness: 1-6mm or 1-10mm, (depending on mounting diameter)
Mounting Nut Torque: 5-14Nm

Features & Benefits

• Pilot indicator light
• Multiple panel cutout sizes -- 6mm to 19mm dia.
• Multiple illumination voltage options
• Multiple LED color options
• Wire leads (150mm long) optional
• IP67 rated

Part Number Configurator

Series | Panel Cutout Diameter | Lens | Terminal | Body Finish | Lens Color | Illumination Voltage
--- | --- | --- | --- | --- | --- | ---
PVL | 06 - 6mm Dia. 08 - 8mm Dia. 10 - 10mm Dia. 12 - 12mm Dia. 14 - 14mm Dia. 16 - 16mm Dia. 19 - 19mm Dia. | F - Flat | L - Solder Lug W - Wire Leads 150mm | S - Stainless Steel | 1 - Red 3 - Green 4 - Blue | 1 - Base Voltage* 3 - 6V 4 - 12V 5 - 24V 6 - 110V

Notes:
* Base voltage on LEDs:
1.8V @ 20mA for Red, Yellow and Orange LED colors
2.8V @ 20mA for Blue, Green and White LED colors

Specifications subject to change without notice 12.17.2020

www.e-switch.com 800.867.2717
**PVL Series Pilot Indicator**

**Body Dimensions**

### PVL06

- **Recommended Panel Cutout**

  **PHOTO**

  - \( \phi 6.20 \) [.244 in]
  - \( \phi 7.00 \) [.276 in]
  - \( \phi 3.00 \) [.118 in]
  - MAX. PANEL THICKNESS 6.0 [.24 in]

  **Illuminated**

  **Schematic**

  - 1.00 [.039 in]
  - 34.50 [1.358 in]
  - 2.00 [.079 in]
  - 2.10 [.083 in]

### PVL08

- **Recommended Panel Cutout**

  **PHOTO**

  - \( \phi 8.20 \) [.323 in]
  - \( \phi 9.50 \) [.374 in]
  - \( \phi 5.00 \) [.197 in]
  - MAX. PANEL THICKNESS 6.0 [.24 in]

  **Illuminated**

  **Schematic**

  - 1.50 [.059 in]
  - 29.50 [1.161 in]
  - .80 [.031 in]
  - 3.00 [.118 in]
  - 2.80 [.110 in]
**PVL Series Pilot Indicator**

**Body Dimensions**

**PVL10**

![Schematic and Panel Cutout Diagram](image1)

**MAX. PANEL THICKNESS 6.0 [.24 in]**

**Recommended Panel Cutout**

- **Φ10.20** [.402 in]
- **Φ11.50** [.453 in]
- **Φ5.00** [.197 in]

**ILLUMINATED**

**PVL12**

![Schematic and Panel Cutout Diagram](image2)

**MAX. PANEL THICKNESS 6.0 [.24 in]**

**Recommended Panel Cutout**

- **Φ12.20** [.480 in]
- **Φ13.50** [.531 in]
- **Φ8.00** [.315 in]

**ILLUMINATED**

**Schematic**

- **M10 X 0.75 THREAD**
- **M12 X 1.0 THREAD**

**Recommended Panel Cutout**

- **ILLUMINATED**
- **MAX. PANEL THICKNESS 6.0 [.24 in]**

**Body Dimensions**

**PVL10**

- **Φ10.20** [.402 in]
- **Φ11.50** [.453 in]
- **Φ5.00** [.197 in]

**ILLUMINATED**

**PVL12**

- **Φ12.20** [.480 in]
- **Φ13.50** [.531 in]
- **Φ8.00** [.315 in]

**ILLUMINATED**

**Schematic**

- **M10 X 0.75 THREAD**
- **M12 X 1.0 THREAD**

**Recommended Panel Cutout**

- **ILLUMINATED**
- **MAX. PANEL THICKNESS 6.0 [.24 in]**
PVL Series Pilot Indicator

Body Dimensions

PVL14

Recommended Panel Cutout

- **Max. Panel Thickness**: 6.0 [.24 in]
- **Illuminated**
- **Dimensions**:
  - Φ14.20 [.559 in]
  - Φ16.00 [.630 in]

PVL16

Recommended Panel Cutout

- **Max. Panel Thickness**: 10.0 [.39 in]
- **Illuminated**
- **Dimensions**:
  - Φ16.20 [.638 in]
  - Φ18.00 [.709 in]

Schematic

- **Thread**: M14 X 1.0
- **Thread**: M16 X 1.0

Recommended Panel Cutout

- **Dimensions**:
  - 1.50 [.059 in]
  - 33.20 [1.307 in]
  - .80 [.031 in]
  - 4.00 [.157 in]
  - 2.80 [.110 in]

- **Dimensions**:
  - 2.00 [.079 in]
  - 35.50 [1.398 in]
  - .80 [.031 in]
  - 6.20 [.244 in]
  - 2.80 [.110 in]
PVL Series Pilot Indicator

Body Dimensions

PVL19

Schematic

Recommended Panel Cutout

Max. Panel Thickness: 10.0 [.39 in]

Illuminated

Dimensions:

- Ø22.00 [Ø.866 in]
- Ø10.00 [Ø.394 in]
- Ø19.20 [Ø.756 in]
- 2.00 [.079 in]
- 35.50 [1.398 in]
- 2.80 [.110 in]
- 6.20 [.244 in]
- .80 [.031 in]

Thread: M19 x 1.0

Recommended Panel Cutout

Panel Cutout Dimensions:

- 19.20 [.756 in]
- 10.0 [.394 in]
- 22.00 [.866 in]

Schematic Diagram

PVL Catalog Drawing

PVL19
**PVL Series Pilot Indicator**

**Wire Lead Options**

<table>
<thead>
<tr>
<th>Adapter</th>
<th>Wire</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>SW1-1</td>
<td>WIRE, 24 AWG AWM UL1061, BLACK</td>
<td>150.0 [5.9 in]</td>
</tr>
<tr>
<td>SW1-2</td>
<td>WIRE, 24 AWG AWM UL1061, BLACK</td>
<td>150.0 [5.9 in]</td>
</tr>
</tbody>
</table>

**Recommended Panel Cutout**

**PVL06**

**Schematic**

- **Max. Panel Thickness**: 6.0 [0.24 in]
- **ILLUMINATED**: 
- **SW1-1**: Ø6.20 [Ø0.244 in]
- **SW1-2**: Ø7.00 [Ø0.276 in]

**PVL08**

**Schematic**

- **Max. Panel Thickness**: 6.0 [0.24 in]
- **ILLUMINATED**: 
- **SW1-1**: Ø8.20 [Ø0.323 in]
- **SW1-2**: Ø9.50 [Ø0.374 in]
### PVL Series Pilot Indicator

#### Wire Lead Options

**PVL10**

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<tbody>
<tr>
<td>SW1-1</td>
<td>WIRE, 24 AWG AWM UL1007, BLACK</td>
<td>150.0 [5.9 in]</td>
</tr>
<tr>
<td>SW1-2</td>
<td>WIRE, 24 AWG AWM UL1007, BLACK</td>
<td>150.0 [5.9 in]</td>
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**Recommended Panel Cutout**

| Max. Panel Thickness | 6.0 [.24 in] |

**Schematic**

**PVL12**

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**Recommended Panel Cutout**

| Max. Panel Thickness | 6.0 [.24 in] |

**Schematic**
PVL Series Pilot Indicator

Wire Lead Options

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Recommended Panel Cutout

Max. Panel Thickness: 6.0 [.24 in]

PVL14

Schematic

- Ø14.20 [Ø.559 in]
- Ø16.00 [Ø.630 in]

PVL16

Schematic

- Ø16.20 [Ø.638 in]
- Ø18.00 [Ø.709 in]

Recommended Panel Cutout

Max. Panel Thickness: 6.0 [.24 in]

- Ø10.00 [Ø.394 in]
- Ø18.00 [Ø.709 in]

ILLUMINATED

Adapter Wire Length

- SW1-1: Wire, 24 AWG AWM UL1007, BLACK, 150.0 [5.9 in]
- SW1-2: Wire, 24 AWG AWM UL1007, BLACK, 150.0 [5.9 in]
PVL Series Pilot Indicator

Wire Lead Options

PVL19

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Max. Panel Thickness 10.0 [.39 in]

Recommended Panel Cutout

ILLUMINATED

M19 X 1.0 THREAD

SW1-1

SW1-2

Adapter Wire

SW1-1 WIRE, 24 AWG AWM UL1007, BLACK 150.0 [5.9 in]

SW1-2 WIRE, 24 AWG AWM UL1007, BLACK 150.0 [5.9 in]