**External Light Level Sensors** TPLLO & TPVLLO

The external light level sensors are designed to measure external light levels for applications such as car parks and security lighting. The sensor housing is rated at IP65 for use in all weather conditions.

With outputs of 4-20mA or 0-10V the light level sensor is multi-range which is selectable at the time of installation. The sensors are suitable for use with most BMS controllers.

**Specification**
- **Material Body:** Flame Retardant Polycarbonate (IP65)
- **Output:** 0-10V or 4-20mA
- **Power Supply:**
  - 4-20mA: 12-30V DC
  - 0-10V: 24V AC or DC ± 10%
- **Measurement:** Photodiode
- **Operating Temperature:** -50 to +50°C
- **Terminals:** 1.0mm recommended 2.5mm max
- **Mounting:** Surface Wall
- **Location:** External where required
- **Dimensions:** 65mm high, 60mm wide, 36 mm deep
- **Country of Origin:** UK
- **Product Code:** TPLLO (4-20mA) TPVLLO (0-10V)

**Selectable Ranges**

<table>
<thead>
<tr>
<th>Range</th>
<th>Lux</th>
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</thead>
<tbody>
<tr>
<td>Range 1</td>
<td>0-1000</td>
</tr>
<tr>
<td>Range 2</td>
<td>0-2000</td>
</tr>
<tr>
<td>Range 3</td>
<td>0-4000</td>
</tr>
<tr>
<td>Range 4</td>
<td>0-8000</td>
</tr>
<tr>
<td>Range 5</td>
<td>0-20000</td>
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</tbody>
</table>

**Wiring**

- 3 wire
  - 0-10V
  - 24v AC/DC
  - 24V SIG OV

- 2 wire Loop Powered
  - 4-20mA (bi-directional)

**Dimensions**

![Dimensions Diagram]