The LightOWL Passive Infrared Outdoor Sensor uses passive infrared (PIR) technology to turn lighting on and off based on occupancy. Designed specifically for areas with long-range major-motion activity, this sensor features Hubbell Controls’ patented IntelliDAPT® technology, which makes all the sensor adjustments automatically.

Throughout the product’s lifespan, IntelliDAPT software analyzes the controlled area and makes digital adjustments to sensitivity and timer settings. Occupancy sensors with IntelliDAPT technology provide a maintenance-free install-and-forget operation.

This sensor was created to provide tough energy management controls for elemental and demanding environments where traditional products may not survive.

**PRODUCT FEATURES**

- **IntelliDAPT self-adaptive technology**—no manual adjustment required
- All-digital dual technology passive infrared [PIR] sensor
- Non-volatile memory for sensor settings
- 1,600 square-foot coverage area
- Relay and photocell control
- UL and cUL listed
- California Title 24 compliant
- Five-year limited warranty
- Low voltage device: 24 Vdc
- Operating temperature range from -40°F to 149°F (-40°C to 65°C)
- Outdoor rated
**General Specifications**

- **IntelliDAPT® Technology**
  - Auto reset from test setting
  - Self-adjusting timer
  - Automatic false-on/false-off corrections

- **LED lamp**
  - Red - infrared motion

- **Timer**
  - Timeout: Automatic mode: 8–30 minutes (self-adjusts based on occupancy)
  - Test mode: 8 seconds (for an easy check at installation)

- **Passive infrared (PIR)**
  - Dual-element pyrometer and 12-element cylindrical rugged lens

- **RP option only available**
  - Relay and photocell included
  - Relay: N/O + N/C contacts; SPDT; 500 mA rated @ 24 VDC; three-wire isolated relay
  - Photocell: adjustable natural-light override ranges from 0 to 100 foot-candles (0–1,000 lux)
  - Factory set at 3,000 lux (disable photocell)

- **Coverage**
  - LOIR-LWO: 1,600 square feet (487.68 square meters)

- **Power requirements**
  - 24VDC, 33 mA (uses UVPP and MP-Series power pack—not included)

- **Output**
  - 24VDC active high-logic control signal with short circuit protection and optional dry contact
  - (see: RP Option)

- **Operating environment**
  - Indoor and outdoor use
  - Operating temperature range from -40°F to 149°F (-40°C to 65°C)

- **Construction**
  - Casing – Rugged, high-impact, injection-molded plastic KJB ABS Cycolac (UL-945VA)
  - Color-coded leads are 6" long (152.4mm)

- **Dimensions**
  - 6.06" H x 3.49" W x 6.3" D (153.9mm H x 88.7mm W x 160.0mm D)

- **Weight**
  - Not yet known

- **Color**
  - Gray

- **Mounting**
  - Mounting base provided
  - Recommended MAX mounting height: 12ft. (3.66m)

- **Certifications**
  - UL, cUL listed, IP66, NEMA4X

- **Warranty**
  - Five-year limited

**Ordering Information**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DESCRIPTION</th>
<th>ENVIRONMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>LO</td>
<td>IRWVRP</td>
<td>LWO</td>
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</tbody>
</table>