Self-Contained PIR Ceiling Mount Occupancy Sensor

BASIC OPERATION
The ODC0S-I uses passive infrared (PIR) detection technology to monitor a room for occupancy through a segmented Fresnel lens. This specialized lens divides the field-of-view into sensor zones. When a person passes into or out of a sensor zone, the sensor detects motion and switches its lighting loads ON. The lights will remain ON as long as there is an occupant moving through the sensor zones.

APPLICATIONS
The Self-Contained Passive Infrared Ceiling Occupancy Sensor is a cost-effective choice for commercial and institutional installations, where installation of the recessed ceiling unit is difficult, inconvenient or costly. Available in 120V, 220V and 277V versions, the ODC0S-I is ideal for:

• Storage areas
• Small bathrooms
• Copy rooms
• Utility closets
• Small spaces without wall switches.

The Self-Contained Ceiling Sensor does not require an external control unit for power or switching the load ON and OFF.

FEATURES
• Sensor and switching relay in one unit—reduces labor and need for additional materials
• 360° field-of-view with approximately 530 sq. ft. of coverage when mounted at 8 ft. This reduces the number of additional sensors typically required in many spaces.
• Adjustable Delayed-OFF time setting between 20 seconds and 15 minutes allows custom adjustment for maximum savings
• Light Sensor - an ambient light override option can be set between 2 and 500+ foot candles and full brightness to prevent the sensor from switching lights ON when ample natural sunlight is available. Hold-OFF feature
• Segmented Fresnel lens contains 79 segments for optimum sensitivity and detection performance
• A standard A/C toggle switch may be used to provide manual-OFF override so that lights may be switched OFF
• Red LED indicator light flashes when sensor detects motion, to verify power placement and function of sensor at installation
**INSTALLATION**

The ideal location for the Self-Contained Occupancy Sensor unit is in a ceiling area that provides a full view of the space with an unobstructed path to the entrance way(s), but out of line from hallway traffic. The sensor should be positioned at least 6 feet from HVAC registers to prevent false triggering. The ODC0S-I may be mounted directly to a three or four-inch octagon box. The sensor wires directly to the lighting fixtures. An ODCCG protective cage is recommended to guard against accidental breakage.

**SPECIFICATIONS**

**ELECTRICAL**

<table>
<thead>
<tr>
<th>ELECTRICAL</th>
<th>-I1W</th>
<th>-I2W</th>
<th>-I7W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Line Voltage</td>
<td>120V</td>
<td>220V</td>
<td>277V</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>1.45W</td>
<td>1.31W</td>
<td>1.89W</td>
</tr>
<tr>
<td>Operational Frequency</td>
<td>60Hz</td>
<td>50Hz</td>
<td>60Hz</td>
</tr>
<tr>
<td>Load Rating Incandescent</td>
<td>1000W</td>
<td>1000W</td>
<td>1000W</td>
</tr>
<tr>
<td>Load Rating Fluorescent</td>
<td>1000VA</td>
<td>500VA</td>
<td>2700VA</td>
</tr>
<tr>
<td>Load Rating Motor</td>
<td>120V 1HP</td>
<td>_</td>
<td>_</td>
</tr>
<tr>
<td>Wire Designation</td>
<td>Line - black, Neutral - white, Load - blue</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**ENVIRONMENTAL**

- Operating Temperature: 32°F - 122°F (0°C - 50°C)
- Storage Temperature: 14°F - 185°F (-10°C - 85°C)
- Relative Humidity: 20-90% Non-condensing

**OTHER**

- Listings: UL Listed and CSA Certified, can be used to comply with 2016 Title 24, Part 6 occupancy sensing requirements, complies with FCC regulations
- Warranty: Limited Five-Year Warranty

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>CAT. NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>ODC0S-I1</td>
<td>Self-Contained Ceiling Mounted Occupancy Sensor &amp; Switching Relay</td>
</tr>
<tr>
<td>ODC0S-I2</td>
<td>_</td>
</tr>
<tr>
<td>ODC0S-I7</td>
<td>_</td>
</tr>
<tr>
<td>ODCCG</td>
<td>Protective Cage</td>
</tr>
</tbody>
</table>

* To indicate color, add suffix to the end of the catalog number. White (-W)

---

Leviton Manufacturing Co., Inc. Global Headquarters  
201 North Service Road, Melville, NY 11747-3138  
tel 800-323-8920  fax 800-832-9538  tech line (8:30AM-7:00PM ET Mon-Fri) 800-824-3005

Leviton Manufacturing Co., Inc. Energy Management, Controls and Automation  
20497 SW Teton Avenue, Tualatin, OR 97062  
tel 800-736-6682  fax 503-404-5594  tech line (6:00AM-4:00PMPST Mon-Fri) 800-959-6004

Visit our Website at: www.leviton.com/sensors  
©2018 Leviton Manufacturing Co., Inc. All rights reserved. Subject to change without notice.