



Building Automation, Inc.

## Ceiling and Wall Mount Occupancy Sensors

### *LightOWL™ Dual Technology Ultrasonic and PIR*

### *Sensor featuring IntelliDAPT®*

#### KEY FEATURES

- IntelliDAPT self-adaptive technology—no manual adjustment required
- All-digital dual technology (ultrasonic [US] and passive infrared [PIR]) sensor
- Non-volatile memory for sensor settings
- 1,600 square-foot coverage area
- Optional relay and photocell control
- Optional Quick to Install (QTI) connector
- UL and cUL listed
- California Title 24 compliant
- Five-year warranty



LODT

#### OVERVIEW

The LODT combines ultrasonic (US) and passive infrared (PIR) technologies to turn lighting on and off based on occupancy. Designed specifically for areas where ceiling sensors are not appropriate, this sensor features Hubbell Building Automation's patented IntelliDAPT technology, which makes all the sensor adjustments automatically. Throughout the product's lifespan, smart software analyzes the controlled area and makes digital adjustments to sensitivity and timer settings. Occupancy sensors with IntelliDAPT provide a maintenance-free install-and-forget operation.

#### FEATURES and BENEFITS

Features	Benefits
IntelliDAPT technology	<ul style="list-style-type: none"><li>• Sensor automatically determines optimum setting for an area</li><li>• Excellent false trip immunity (for improved accuracy)</li><li>• No manual sensitivity or timer adjustments required</li><li>• Provides a maintenance-free install-and-forget operation</li></ul>
All-Digital, multi-technology (ultrasonic [US] and passive infrared [PIR]) sensor	<ul style="list-style-type: none"><li>• Superior US minor-motion detection with excellent PIR long-range major-motion detection</li></ul>
Non-volatile memory for sensor settings	<ul style="list-style-type: none"><li>• Learned and adjusted settings will not be lost during power outages</li></ul>
Optional relay and photocell control	<ul style="list-style-type: none"><li>• Easy integration with Building Automation Systems</li><li>• Increases energy savings by preventing lights from turning on when there is sufficient natural light</li></ul>
Optional Quick-to-Install (QTI) connector	<ul style="list-style-type: none"><li>• Dramatically reduces installation costs by removing the time-consuming process of manually wiring a sensor to a power pack</li><li>• Easy to install; fast and efficient; no cutting, stripping, or wire nuts required</li></ul>

#### APPLICATIONS

- Offices
- Small conference rooms
- Break rooms

## SPECIFICATIONS

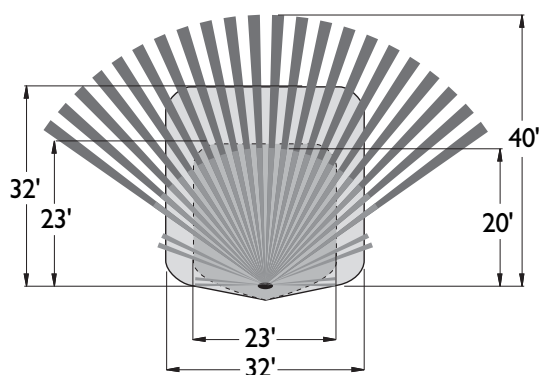
IntelliDAPT technology	<ul style="list-style-type: none"> <li>• Auto reset from test setting</li> <li>• Self-adjusting timer</li> <li>• Self-adjusting ultrasonic and passive infrared thresholds</li> <li>• Automatic false-on/false-off corrections</li> </ul>
LED lamps	<ul style="list-style-type: none"> <li>• Red – infrared motion</li> <li>• Green – ultrasonic motion</li> </ul>
Timer timeout	<ul style="list-style-type: none"> <li>• Automatic mode: 8–30 minutes (self-adjusts based on occupancy)</li> <li>• Test mode: 8 seconds (for an easy check at installation)</li> </ul>
Ultrasonic (US) output	<ul style="list-style-type: none"> <li>• Operating frequency: 32kHz</li> </ul>
RP option	<ul style="list-style-type: none"> <li>• Relay and photocell included</li> <li>• Relay: N/O + N/C contacts; SPDT; 500 mA rated @ 24 VDC; three-wire isolated relay</li> <li>• Photocell: adjustable natural-light override ranges from 0 to 100 foot-candles (0–1,000 lux)</li> <li>• Factory set at 3,000 lux (disable photocell)</li> </ul>
Coverage	<ul style="list-style-type: none"> <li>• 1,600 square feet</li> </ul>
Power requirements	<ul style="list-style-type: none"> <li>• 24 VDC, 33 mA (uses UVPP and MP-Series power pack—not included)</li> </ul>
Output	<ul style="list-style-type: none"> <li>• 24 VDC active high-logic control signal with short circuit protection and optional dry contact (see: RP Option)</li> </ul>
Operating environment	<ul style="list-style-type: none"> <li>• Indoor use only</li> <li>• Operating temperature: 32° –104°F (0°–40°C)</li> <li>• Relative humidity (non-condensing): 0%–95%</li> </ul>
Construction	<ul style="list-style-type: none"> <li>• Casing—rugged, high-impact, injection-molded plastic KJB ABS Cycolac (UL-945VA)</li> <li>• Color-coded leads are 6" long</li> </ul>
Size and weight	<ul style="list-style-type: none"> <li>• Size: 6.58" x 3.63" x 3.72"</li> <li>• Weight: 5.0 oz (142g)</li> </ul>
Color	<ul style="list-style-type: none"> <li>• Off-white</li> </ul>
Mounting	<ul style="list-style-type: none"> <li>• Mounting base provided</li> <li>• Recommended MAX mounting height: 12ft.</li> </ul>
Certifications	<ul style="list-style-type: none"> <li>• UL and cUL listed</li> </ul>
Warranty	<ul style="list-style-type: none"> <li>• Five years</li> </ul>

## ORDERING INFORMATION

Catalog Number	Description	Color	Coverage
LODT	Ultrasonic and Passive Infrared Wall and Ceiling Sensor with IntelliDAPT	Off-white	1,600 sq. ft.
LODTRP	Ultrasonic and Passive Infrared Wall and Ceiling Sensor with IntelliDAPT (Relay and Photocell)	Off-white	1,600 sq. ft.

\*Add QTI to end of catalog number for optional Quick To Install connector

### RANGE DIAGRAM



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