

LightOWL® Dual Technology Passive Infrared and Acoustic Sensor

CEILING AND WALL MOUNT OCCUPANCY SENSORS

TITLE
24
COMPLIANCE



PROJECT INFORMATION

Project Name _____

Catalog No. _____

Date _____



LODIA

The *LightOWL* Dual Technology Passive Infrared and Acoustic Sensor combines passive infrared (PIR) and acoustic (sound-activated) technologies to turn lighting on and off based on occupancy. This sensor features Hubbell Controls' patented IntelliDAPT® technology, which makes all the sensor adjustments automatically.

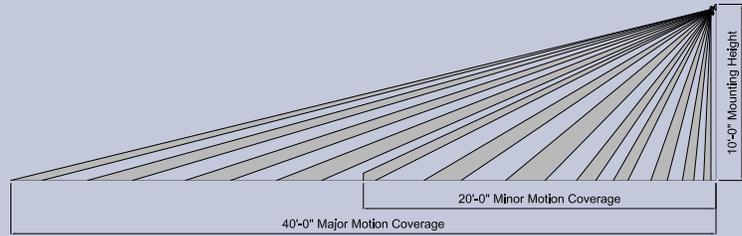
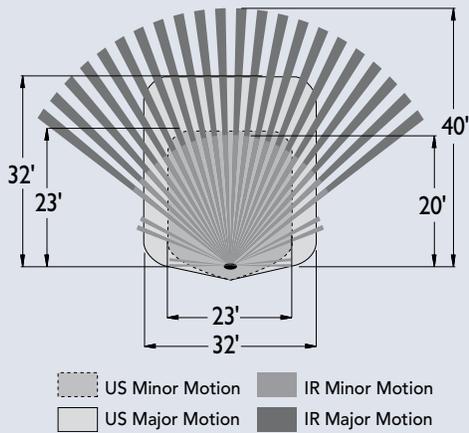
Throughout the product's lifespan, *IntelliDAPT* software analyzes the controlled area and makes digital adjustments to sensitivity and timer settings. Occupancy sensors with *IntelliDAPT* technology provide a maintenance-free install-and-forget operation.

PRODUCT FEATURES

- *IntelliDAPT* self-adaptive technology—no manual adjustment required
- All-digital dual technology (passive infrared [PIR] and acoustic) 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 limited warranty
- Low voltage device: 24 Vdc



HUBBELL
Control Solutions



General Specifications

IntelliDAPT® technology	Auto reset from test setting Self-adjusting timer Self-adjusting passive infrared and acoustic thresholds Automatic false-on/false-off corrections
LED lamp	Red—infrared motion Green—acoustic detection
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	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)
Coverage	1,600 square feet
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 use only Operating temperature: 32° to 104°F (0° to 40°C) Relative humidity (non-condensing): 0% to 95%
Construction	Casing – Rugged, high-impact, injection-molded plastic KJB ABS Cyclac (UL-945VA) flame class rating, UV inhibitors Color-coded leads are 6" long
Dimensions	Size: 6.58" x 3.63" x 3.72"
Weight	5.0 oz (142g)
Color	Off-white
Mounting	Mounting base provided Recommended MAX mounting height: 12ft.
Certifications	UL and cUL listed
Warranty	Five-year limited

Ordering Information

LO	DIA		
MODEL	TECHNOLOGY	RELAY / PHOTOCELL OPTION	QTI
LO	DIA Passive Infrared and Acoustic	RP Relay Photocell Blank No Relay Photocell	QTI Quick to Install Blank No QTI