

LightOWL® Passive Infrared Sensor

CEILING AND WALL MOUNT OCCUPANCY SENSORS

TITLE
24
COMPLIANCE



PROJECT INFORMATION

Project Name _____

Catalog No. _____

Date _____



LOIR

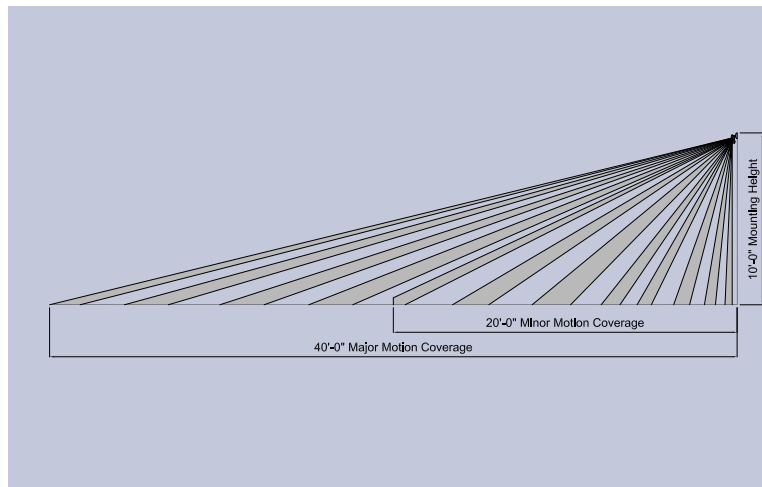
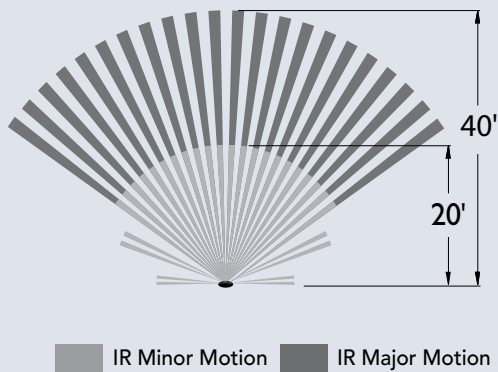
The *LightOWL* Passive Infrared Sensor sensor uses passive infrared (PIR) technology to turn lighting on and off based on occupancy. Designed specifically for areas with long-range major-motion activity, this sensor features Hubbell Controls' patented IntelliDAPT® technology, which makes all the sensor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

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
- 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





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
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) Factory set at 3,000 lux (disable photocell)
Coverage	LOIRWV (Wide View): 1,600 square feet LOIRHB (High Bay): 50' @ 30' Height
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 Cyclic (UL-945VA) 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			
MODEL	TECHNOLOGY	RELAY / PHOTOCELL OPTION	QTI
LO	IRWV Passive Infrared Wide View IRHB Passive Infrared High Bay	RP Relay Photocell Blank No Relay Photocell	QTI Quick to Install Blank No QTI



HUBBELL
Control Solutions