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Thomas Research Products
LOIRWV

For any questions, you can email us directly:
sales@integrated-circuit.com

LightOWL® Passive Infrared Sensor

CEILING AND WALL MOUNT OCCUPANCY SENSORS

PROJECT INFORMATION

Project Name

Catalog No. Date

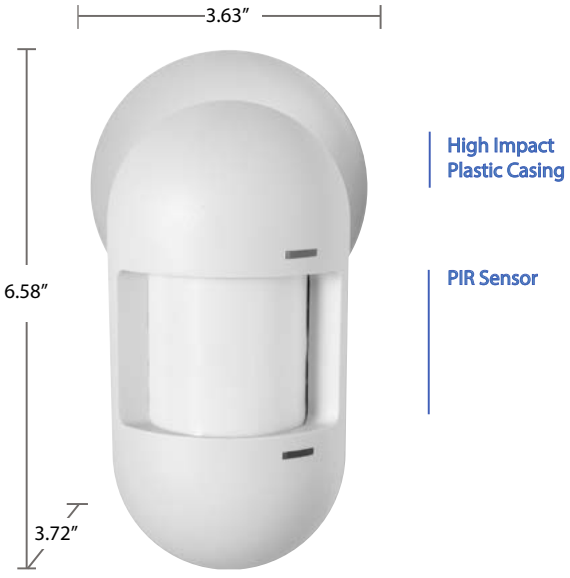
LOIR

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.

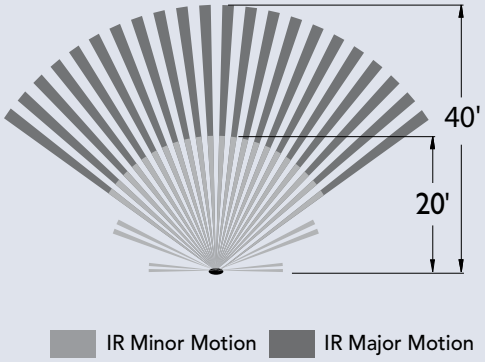
PRODUCT FEATURES

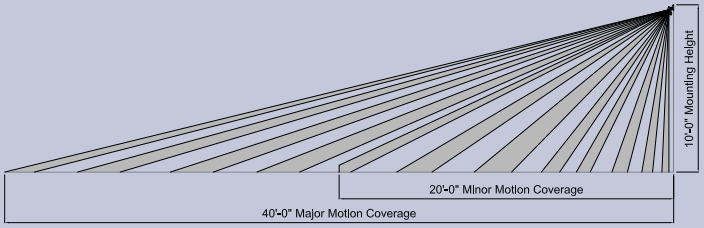
- *IntelliDAPT* self-adaptive technology—no manual adjustment required
- All-digital dual technology passive infrared [PIR] sensor
- Non-volatile memory for sensor settings
- 1,600 square-foot coverage area
- Optional relay and photocell control
- Optional Quick-to-Install (QTI) connector
- UL and cUL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



HUBBELL® Control Solutions

Distributor of Thomas Research Products: Excellent Integrated System Limited
Datasheet of LOIRWV - PASSIVE INFRARED WALL SWITCH SEN
Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com





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 Cycolac (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	**RP** Relay Photocell	**QTI** Quick to Install
	IRHB Passive Infrared High Bay	**Blank** No Relay Photocell	**Blank** No QTI

HUBBELL® HUBBELL Control Solutions
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