



Ceiling and Wall Mount Occupancy Sensors

LightOWL™ Passive Infrared Sensor

featuring IntelliDAPT®

KEY FEATURES

- IntelliDAPT self-adaptive technology—no manual adjustment required
- All-digital 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
- 5-year warranty



OVERVIEW

The LOIR 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 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

IntelliDAPT technology

All-digital passive infrared (PIR) sensor

Non-volatile memory for sensor settings

Optional relay and photocell control

on

Optional Quick to Install (QTI) connector

Benefits

- Sensor automatically determines the ideal setting for an area
- Excellent false trip immunity (for improved accuracy)
- No manual sensitivity or timer adjustments required
- Provides a maintenance-free "Install and Forget" operation
- Excellent long-range major-motion detection
- Learned and adjusted settings will not be lost during power outages
- Easy integration with Building Automation Systems
- Increases energy savings by preventing lights from turning on when there is sufficient natural light
- Dramatically reduces installation costs by removing the time-consuming process of manually wiring a sensor to a power pack
- Easy to install; fast and efficient; no cutting, stripping, or wire nuts required

APPLICATIONS

- Gyms—LOIRWV
- High bay applications—LOIRHB

SPECIFICATIONS

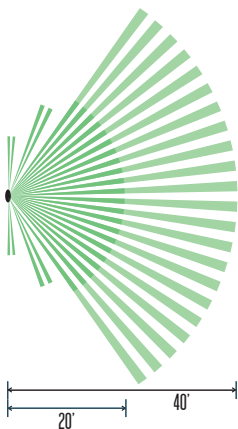
IntelliDAPT technology	<ul style="list-style-type: none"> • Auto reset from test setting • Self-adjusting timer • Self-adjusting passive infrared thresholds • Automatic false-on/false-off corrections
LED lamp	<ul style="list-style-type: none"> • Red—infrared motion
Timer timeout	<ul style="list-style-type: none"> • Automatic mode: 8–30 minutes (self-adjusts based on occupancy) • Test mode: 8 seconds (for an easy check at installation)
RP option	<ul style="list-style-type: none"> • Relay and photocell included • Relay: NO + NC contacts; SPDT; 500 mA rated @ 24 VDC; three-wire isolated relay • Photocell: adjustable natural-light override ranges from 2 to 300 foot-candles (20–3000 lux)
Coverage	<ul style="list-style-type: none"> • LOIRWV (Wide View): 1,600 square feet • LOIRHB (High Bay): 50' @ 30' height
Power requirements	<ul style="list-style-type: none"> • 24 VDC, 33 mA (uses UVPP and MP-Series power pack—not included)
Output	<ul style="list-style-type: none"> • 24 VDC active high-logic control signal with short circuit protection and optional dry contact (see: RP Option)
Operating environment	<ul style="list-style-type: none"> • Indoor use only • Operating temperature: 32°–104° F (0°–40° C) • Relative humidity (non-condensing): 0%–95%
Construction	<ul style="list-style-type: none"> • Casing – rugged, high-impact, injection-molded plastic KJB ABS Cicolac (UL-945VA) flame class rating, UV inhibitors • Color-coded leads are 6" long
Size and weight	<ul style="list-style-type: none"> • Size: 6.58" x 3.63" x 3.72" • Weight: 5.0 oz (142g)
Color	<ul style="list-style-type: none"> • Off white
Mounting	<ul style="list-style-type: none"> • Mounting base provided • Recommended MAX mounting height: 12ft.
Certifications	<ul style="list-style-type: none"> • UL and cUL listed
Warranty	<ul style="list-style-type: none"> • 5 years

HOW TO ORDER

Catalog Number	Description	Color	Coverage
LOIRWV	Passive Infrared Wall and Ceiling Sensor with IntelliDAPT	Off White	1,600 sq. ft.
LOIRWVRP	Passive Infrared Wall and Ceiling Sensor with IntelliDAPT (Relay and Photocell)	Off White	1,600 sq. ft.
LOIRHB	Passive Infrared HighBay Sensor	Off White	50'@30' height
LOIRHBRP	Passive Infrared HighBay Sensor (Relay and Photocell)	Off White	50'@30' height

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

RANGE DIAGRAM



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