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# OMNI® Low Voltage Passive Infrared Ceiling Sensor

CEILING MOUNT OCCUPANCY SENSORS

TITLE  
24  
COMPLIANCE



## PROJECT INFORMATION

Project Name \_\_\_\_\_

Catalog No. \_\_\_\_\_

Date \_\_\_\_\_



OMNIIR

The OMNIIR 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.

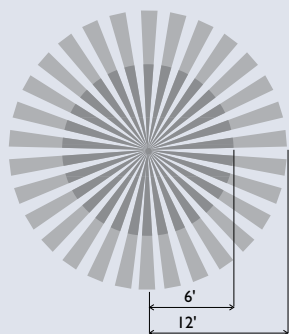
Occupancy sensors with *IntelliDAPT* technology provide a maintenance-free install-and-forget operation.

## PRODUCT FEATURES

- *IntelliDAPT* self-adaptive technology—no manual adjustment required
- All-digital passive infrared (PIR) sensor
- Non-volatile memory for sensor settings
- 450 - 1,500 square-foot coverage area (depending on model)
- 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

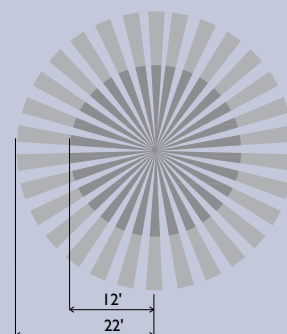


**HUBBELL**  
Control Solutions



Minor Motion  
Major Motion

OMNI® IR Range



Minor Motion  
Major Motion

OMNI IRL Range

## General Specifications

IntelliDAPT® Technology	Auto reset from test setting Self-adjusting timer Self-adjusting passive infrared thresholds Automatic false-on/false-off corrections
LED lamp	Red - infrared motion
Timer timeout	Automatic mode: 8–30 min. (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 @ 24VDC; three-wire isolated relay Photocell: adjustable natural-light override ranges from 0 to 100 foot-candles (0–1,000 lux)
Coverage	450 - 1,500 square feet
Power requirements	24VDC, 33mA (uses UVPP and MP- Series power pack- not included)
Output	24 VDC active high-logic control signal with short circuit protection and optional dry contact (see RP options)
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	4.5" diameter, 1.5" height (114 mm diameter, 38mm height)
Weight	5.0 oz (142g)
Color	Off-white
Mounting	Mounting base provided Recommended mounting height: 8ft with a max mounting height of 12ft.
Certifications	UL and cUL listed
Warranty	Five years

## Ordering Information

OMNI	IR			
MODEL	TECHNOLOGY	COVERAGE	RELAY / PHOTOCELL OPTION	QTI
OMNI	IR Passive Infrared	L Long Range IR, 1,500 sq. ft. Blank 450 sq. ft.	RP Relay & Photocell Blank No Option	QTI Quick to Install Blank No QTI



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