



Low Profile Passive Infrared Ceiling Sensor

The LVPR1500RP is a low voltage ceiling sensor that uses Passive Infrared technology (PIR) to turn lighting loads on and off based upon occupancy. This sensor is ideal for long-range major motion detection of occupants.

The LVPR1500RP is excellent for use with energy management systems. The auxiliary relay can be used with numerous manufacturers of building systems to signal that an area is occupied, i.e. tell the HVAC system to turn on the air/heat.



Applications

- Excellent for use with energy management systems in office buildings
- Signals HVAC that there is occupancy and that air/heat should be turned on
- Can be used to indicate occupancy with an alarm system

Features and Benefits

Passive Infrared Technology	Excellent for long range major motion detection applications
Integral photocell control for Daylight Harvesting	Increases energy savings by preventing the lights from turning on when there is sufficient natural light
360° field of view	Excellent coverage of a wide area; up to 1,500 sq. ft.
Low profile styling	Device sits only 1 inch off of ceiling; takes up minimal space
Auxiliary Relay version	Low Voltage Ceiling Sensor with relay 24 VDC 10mA; uses CU300A control unit

Low Voltage Ceiling Sensor Passive Infrared (PIR)



Description	Coverage	Catalog Number
Passive Infrared Low Voltage Ceiling Sensor, with Relay; white; Must be used with CU300A control unit	1,500 sq. ft.	LVPR1500RP



LVPR1500RP

Specifications

Sensitivity	Fully adjustable: 20% to 100%
Time Delay	Fully adjustable: 30 seconds to 30 minutes
LED Lamp	Walk test indicator — Red
Integral Photocell	Adjustable ambient light override ranges from 5 foot candles (5 lux) to 200 foot candles (200 lux)
Auxiliary Relay	SPDT, 1 A rated @ 24 VDC / 120V AC dry contact
Coverage	360° 1500 sq. ft. at 10 ft. mounting height
Power Requirement	24 VDC, 10 mA from Hubbell CU series control unit
Output	24 VDC active high logic control signal with short circuit protection and optional dry contact
Operating Environment	Indoor use only Operating temperature: 32° to 131°F (0° to 55°C) 0% to 95% relative humidity, non-condensing
Construction	Housing: Rugged, high impact, injection molded plastic KJB ABS Cyclic (UL-945VA) flame class rating, UV inhibitors Color-coded leads are 6 inches long
Size	4.0 inch diameter, 1.9 inch deep (101mm diameter, 48mm deep)
Weight	3.5 oz.
Color	White
Mounting	Metal mounting ring provided
Certifications	UL and cUL Listed
Warranty	5 years, limited

Coverage Pattern

Major Motion: ■ PIR
Minor Motion: ■ PIR

