



OccuSwitch Classic

Infrared Ceiling Sensor

LRM2250

Philips OccuSwitch Classic all-digital, microprocessor based sensor contains a self-calibrating sensitivity and timer allowing for virtually trouble-free lighting control.

This infrared ceiling sensor is a low voltage occupancy detector that works in conjunction with Philips LCA Series Power Packs to control an area of lighting. The detector's main function is to turn the lights on or maintain the lights on while movement is detected within the sensor's range and to turn the lights off when the space is left unoccupied.

The sensor uses a small semiconductor heat detector that resides behind a multi-zone optical lens. This Fresnel lens establishes dozens of zones of detection. The sensor is sensitive to the heat emitted by the human body. In order to trigger the sensor, the source of heat must move from one zone of sensing to another. Non-moving hot objects will not cause the lights to turn on.

A dedicated internal microprocessor continually analyzes the room environment and adjusts itself automatically to meet the occupancy patterns of the room.

Features

- Passive Infrared (PIR) technology provides high to low motion sensitivity
- Digital technology uses a minimum of components for maximum reliability and low cost
- A single mounting post and three color-coded wires provides fast, simple installation
- Spherical section shape provides a sleek design that should easily blend into the background
- Self-adjusting settings means that time delay settings are continually adjusted helping to eliminate service callbacks for simple adjustments
- Non-volatile memory means that learned and adjusted settings are saved in protected memory, preventing status loss during power outages
- Ambient light recognition helps to prevent lights from turning on when the room is adequately lit by natural light
- Accurate consistent switching so that lights are on when room is occupied, off when empty. Annoying false-offs are minimized and lights on at night are eliminated

Coverage (Range)

- 360° field of view provides approximately 1500 sq. ft. of coverage

Compatibility

- Compatible with Philips Advance Optanium programmed start electronic fluorescent ballasts and Xitanium LED drivers

Applications

- Suitable for classrooms, open offices, open areas, conference rooms, copy rooms and storage rooms

Job Information	Device Type #: _____
Job Name: _____	
Cat. No.: _____	
Notes:	

PHILIPS

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Technical specifications*

Indicator: Red LED lamp—infrared motion

Photocell: 20-3,000 Lux adjustable
(factory setting: 3,000 Lux, photocell disabled)

Timer settings: Manual—30 seconds to 30 minutes
(factory setting: 10 minutes)

Construction: Housing—rugged, high impact, injection molded plastic. Color coded leads are 6" long (16.24 cm)

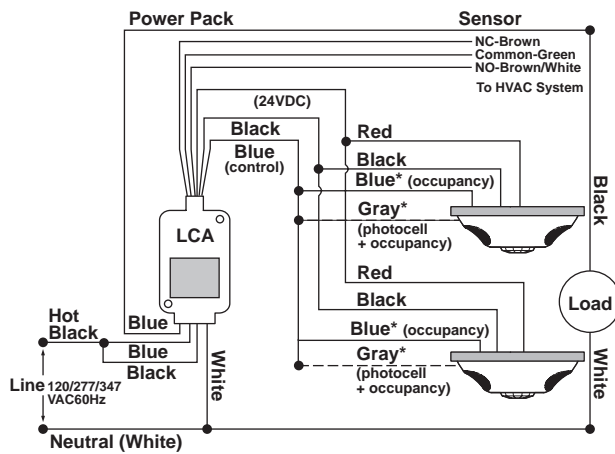
Size and weight: 4.5" dia., 1.5" height; 5 oz. (144 mm dia., 38 mm height; 142 g.)

Power requirements: 24 VDC, 20mA from the Philips LCA Series power pack

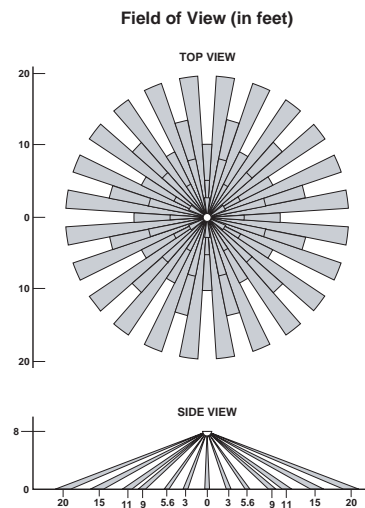
Output: 24 VDC active high logic control signal with short circuit protection

Operation environment: 32°F to 104°F (0°C to 40°C); 0% to 95% non-condensing, relative humidity. For indoor use only

Wiring diagram:



Field of view (in feet):



*Subject to change without notice.

Ordering information

Ordering Code	Description
LRM225000	Low Voltage Occupancy Sensor, Ceiling Mount



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