OccuSwitch Classic

Ceiling Mount Multi-Tech Sensor
LRM2255/LRM2260

LRM2255 LRM2260

Philips OccuSwitch Classic multi-tech sensors are the most advanced sensors available because they combine multi-technology sensing with all digital architecture. They are designed to help eliminate false triggering, resulting in trouble-free lighting control.

These sensors realize the benefits of both Infrared and Ultrasonic technologies for their performance and reliability. Ultrasonic (Doppler shift) motion detection provides maximum sensitivity yet can be vulnerable to false triggering from air conditioning currents, corridor activity and movement of inanimate objects. Infrared motion sensing gives immunity to false triggering, but lacks sensitivity at greater distances. Upon room entry, the infrared detects motion and turns the lights on. Ultrasonic sensors keep the lights on even when very minor motion is detected. When unoccupied, lights stay off while air conditioning system cycles on and off, and cleaning crews occupy corridors.

Features

- Infrared and ultrasonic signals, help to minimize false readings
- Digital technology uses a minimum of components for reliability and lower cost
- A single mounting post and three color-coded wires provide 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)

- A wide variety of coverage areas including units from 500 to 2000 sq. ft. is available

Compatibility

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

Applications

- Suitable for cafeterias, classrooms, computer rooms, open offices, cubical areas, file rooms, executive offices, board rooms, conference rooms, restrooms and other open areas

Job Information Device Type #: _____

Job Name: _____

Cat. No.: _____

Notes:

PHILIPS

sense and simplicity

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Technical specifications*:

Indicator: Green LED lamp—ultrasonic motion;
Red LED lamp—infrared motion

Photocell: Adjustable 20 to 3,000 Lux, (factory setting: 3,000 Lux, photocell disabled)

Timer settings: Automatic and manual—30 seconds to 30 minutes
Test mode—6 seconds

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

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

Construction: Two ultrasonic transmitters and two narrow bandwidth receivers each 16 mm in diameter

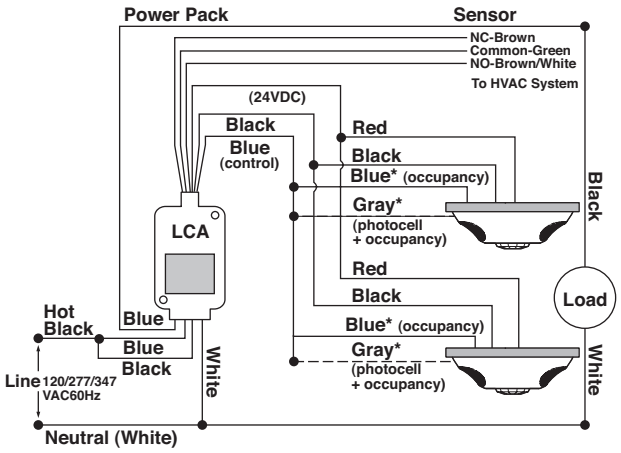
Frequency—Crystal controlled to ±.005%

Housing—Rugged, high-impact, flame class rating, UV inhibitors. Color coded leads are 6"

Power requirements: 24VDC, use Philips LCA Series power pack

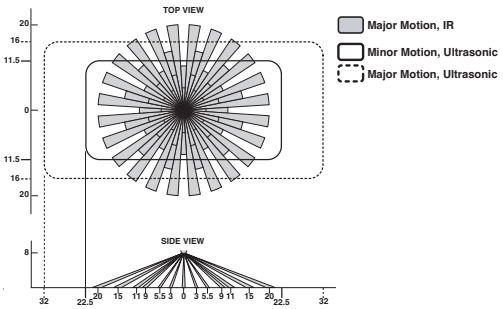
Output: 24VDC active high logic control signal with short circuit protection

Wiring diagram:

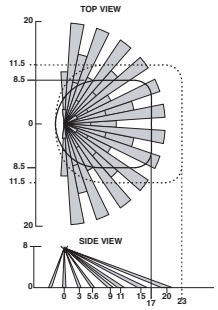


Field of view (in feet):

LRM2255



LRM2260



*Subject to change without notice.

Ordering information

Ordering Code	Description
LRM225500	Low Voltage Sensor, Multi-Tech Ceiling Mount, 2000 sq. ft. 32kHz
LRM226000	Low Voltage Sensor, Multi-Tech Ceiling Mount, 500 sq. ft. 40kHz

Form No. LRM2255

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