



OccuSwitch Classic

Multi-Tech Single Switch Wall Sensor LRS2220

Philips OccuSwitch Classic wall sensor is used to provide automatic lighting control for energy savings and convenience in a variety of commercial applications.

Utilizing Passive Infrared (PIR) and Ultrasonic Sensing (U/S) for occupancy detection, this sensor provides automatic lighting control for energy savings in a variety of commercial applications. The PIR sensors provide protection against false on through a specialized Fresnel lens which divides the field of view into sensor zones. When a person passes into or out of a sensor zone, the sensor detects motion and switches the lights on. The ultrasonic sensors provide maximum sensitivity and range in difficult spaces with irregular shaped rooms and partitions that can block the PIR field of view. A pair of ultrasonic sensors will detect Doppler shifts caused by motion in a space reducing false off. These sensors are more sensitive to small movements since they do not rely on zones.

Features

- Passive Infrared and Ultrasonic detection
- Low profile design eliminates obtrusive “scanning-device” look. Uses standard wallplates
- Fits in standard wallbox and replaces single-pole wall switch for fast and simple installation
- Gangable with other wall devices
- All digital circuitry uses a minimum of components for maximum reliability and low cost
- Self-adaptive technology means that time delay and sensitivity settings are continually adjusted to occupancy patterns
- Walk-through feature provides increased energy savings by not leaving the lights on for an extended period after only momentary occupancy
- Convenient push-button provides manual on/off light switching at any time
- Relay switching is executed at the zero crossing point of the AC power curve to provide maximum life of contacts and electronic ballasts
- Presentation mode allows push button to turn lights off and keep them off while room is occupied during media presentations
- Integrated photocell provides ambient light recognition which helps to prevent lights from turning on when the room is adequately illuminated by natural light
- The ultrasonic technology provides excellent small motion sensitivity

Coverage (Range)

- 180° field of view provides approximately 2400 sq. ft. of coverage. Adjustable horizontal field of view (PIR)—may be adjusted between 180° and 60° of arc by using integral blinders

Compatibility

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

Applications

- Suitable for a variety of commercial applications, including offices, conference rooms, classrooms, restrooms, lounges, training areas, multi-media rooms, day care centers, and storage rooms

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

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Multi-Tech Single Switch Wall Sensor (LRS2220)

Technical specifications*

Lens: Segmented, Fresnel

Operating environment: 32°F to 122°F (0°C to 50°C); 20% to 90% non-condensing, relative humidity. For indoor use only

Size: 4.06" H x 1.75" W x 1.85" D (103.2 mm x 44.4 mm x 47.2 mm)

Colors: White, Ivory

Listings: UL Listed and CSA Certified, complies with California Title 24 Energy Code and FCC Regulations

Ultrasonic operational frequency: 40kHz

Line voltage: 120–230–277VAC

Operational frequencies: 50/60Hz

Power consumption:

120V

U/S & PIR—390mW

PIR only—190mW

277V

U/S & PIR—480mW

PIR only—270mW

Wire designation: Line—Black; Load—Blue; Ground—Green

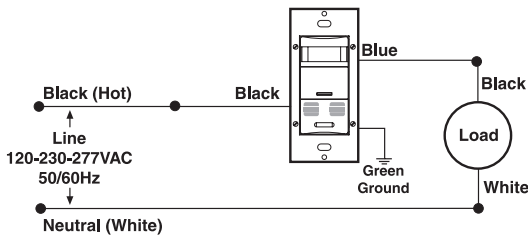
Load rating:

Fluorescent—1200VA @ 120V, 2700VA @ 277V

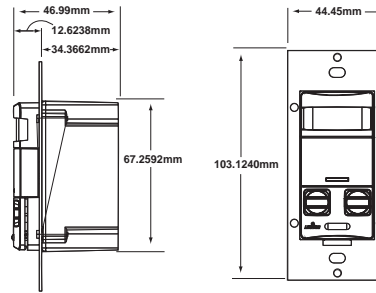
Incandescent/Tungsten—800W @ 120V

Motor—¼ HP @ 120V

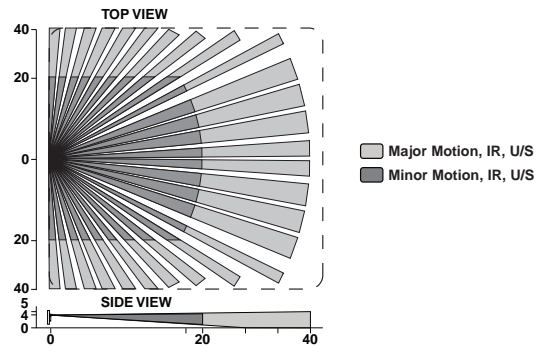
Wiring diagram:



Dimensions:



Field of view (in feet):



*Subject to change without notice.

Ordering information

Ordering Code	Description
LRS222000	Wall Switch Occupancy Sensor, Multi-Tech, 120/277VAC, White
LRS222001	Wall Switch Occupancy Sensor, Multi-Tech, 120/277VAC, Ivory



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