



OccuSwitch Classic

Multi-Tech Dual Switch and Sensor

LRS2225

Philips OccuSwitch Classic wall sensor is used to provide automatic switching of two separate banks of (fluorescent, incandescent, or LED) lights from a single unit.

The sensor incorporates both Passive Infrared (PIR) and Ultrasonic (U/S) detection to provide automatic switching of two separate banks lighting loads from a single unit. The unit features dual manual-override switches that can be used to toggle each lighting load on or off while an area is occupied. It can be installed in place of two, single-pole wall switches and fits in a standard single-gang wall box. The second relay is a manual-on only to comply with CEC Title 24. The PIR portion of the sensor detects larger motion and is used to turn lights on, then occupancy detection from either technology will keep the lights on. This allows the ultrasonic to be set to higher sensitivity levels minimizing false off conditions.

The PIR portion protects against false-ons through a specialized lens that divides the field-of-view into zones. The U/S sensors give maximum sensitivity and range in difficult spaces with irregular shaped rooms or partitions that can block the PIR field-of view. It also features the ability to turn off the PIR or U/S functionality to become a single tech device.

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
- Self-adaptive technology means time delay and sensitivity settings are continually adjusted to room occupancy patterns
- Walk-through feature provides increased energy savings by not leaving the lights on for an extended period after only momentary occupancy
- Manual on/off switching provides an on/off override
- Presentation mode allows push buttons 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
- Relay switching is executed at the zero crossing point of the AC power curve to provide maximum life of contacts and electronic ballasts

Coverage (Range)

- 180° field of view, 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

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

Applications

- Suitable for retrofit applications in 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:	_____

PHILIPS

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Multi-tech Dual Switch and Sensor (LRS2225)

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

Line voltage: 120–230–277VAC

Power consumption:

120V–210mW

277V–410mW

Operational frequencies: 50/60Hz

Ultrasonic operational frequency: 40kHz

Wire designation:

Primary Relay: No. 16 AWG leads: Line—Black; Load—Blue
Ground—Green

Secondary Relay: No. 16 AWG isolated contact leads: (2) Red

Load rating:

Primary Relay:

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

Incandescent/Tungsten—800W @ 120V

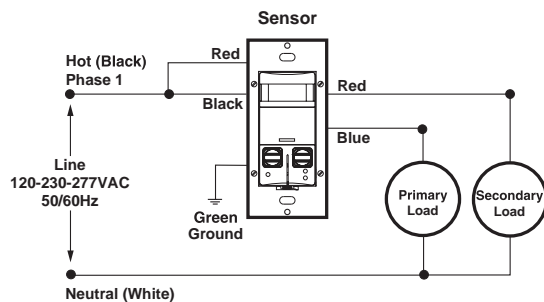
Secondary Relay:

Fluorescent—800VA @ 120V, 1200VA @ 277V

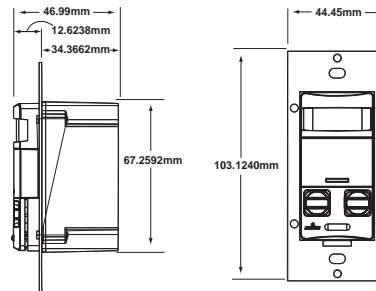
Incandescent/Tungsten—800W @ 120V

Motor—1/4 HP @ 120V

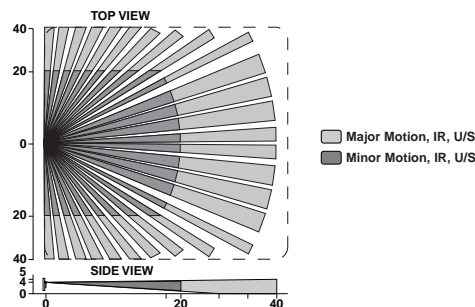
Wiring diagram:



Dimensions:



Field of view (in feet):



*Subject to change without notice.

Ordering information

Ordering Code	Description
LRS222500	Wall Switch Occupancy Sensor, Multi-Tech Dual Relay, 120/277VAC, White
LRS222501	Wall Switch Occupancy Sensor, Multi-Tech Dual Relay, 120/277VAC, Ivory



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Published and printed in USA 10/11

Form No. LRS2225

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