LEVITON

Outdoor Occupancy Sensors



BASIC OPERATION

Passive Infrared (PIR) outdoor motion sensors provide outstanding reliable value in security lighting, as well as convenience, safety, and energy savings for a wide range of commercial and industrial applications. These Outdoor Motion Sensors are designed to be mounted at a height of 8-10 feet and have similar maximum ranges, although the detection pattern and field-of-view varies with regard to the model number. Each device has a sensor and switch incorporated into one unit, and is installed as part of a lighting circuit. It will turn light fixture(s) ON when it senses movement in its field-of-view. It will also turn the same fixture(s) OFF from a user-determined time interval after motion is no longer detected.

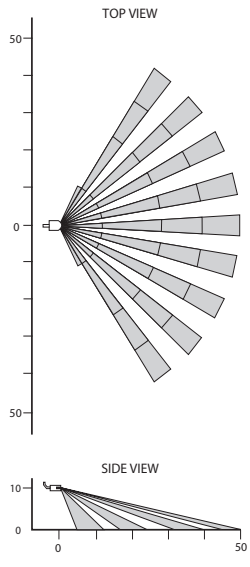
APPLICATIONS

- Ideal for a wide range of commercial and industrial applications including parking areas, storage facilities, warehouses, loading docks, marinas, garages, walkways, campus grounds, meat lockers, walk-in refrigerators/freezers, and outbuildings.

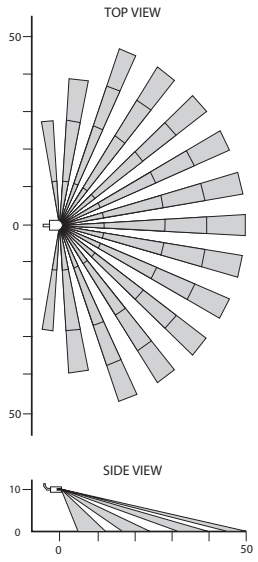
FEATURES

- Adjustable sensitivity and immunity to RFI signals to prevent false triggering
- Ambient light override prevents lights from turning ON when there is ample natural light (PS110 and PS200)
- Surge suppression minimizes likelihood of damage due to electrical surges (PS110 and PS200)
- Temperature compensation feature ensures uniform performance in extreme hot or cold weather and during temperature fluctuations (PS110 and PS200)
- Sensor neck adjustment allows accurate monitoring: 110° vertical, 180° horizontal, 110° rotational
- Adjustable delayed-OFF time settings from 20 seconds (for test mode) to 15 minutes
- Provides test and continuous modes; test mode simulates automatic operation with short delayed-OFF time for easy adjustments; continuous mode enables manual override for constant “lights ON” operation (when used with standard ON/OFF switch)
- Rugged impact resistant plastic: UV-stabilized plastic resists damage and discoloration
- Water resistant housing for reliable, long term performance
- 1/2 inch threaded nipple for use with standard NEMA weather-proof fixture fitting
- When mounted at 10 feet high, the sensor has a range of 50 feet

FIELD-OF-VIEW



PS110 and RS110
Field of View (in feet)



PS200 Field of View (in feet)

Leviton Mfg. Co., Inc. Lighting & Energy Solutions
201 N. Service Rd. Melville, NY 11747--3138 • Tech Line: 1-800-824-3005 • FAX: 1-800-832-9538 • www.leviton.com/les
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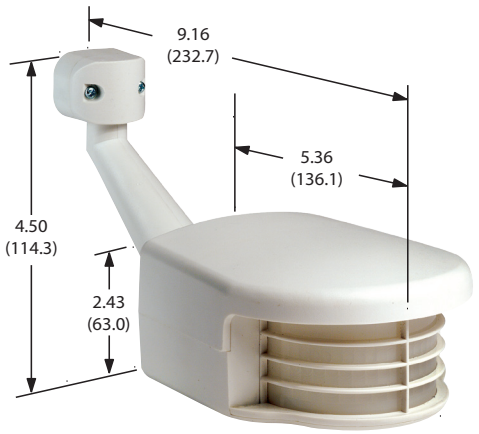
PRODUCT DATA

DIMENSIONS

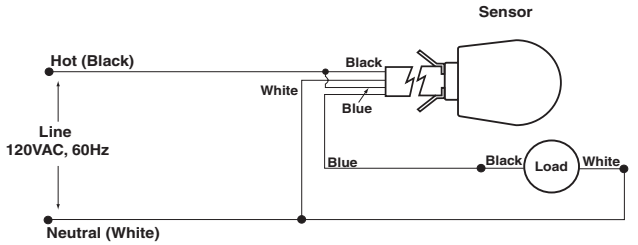


SPECIFICATIONS

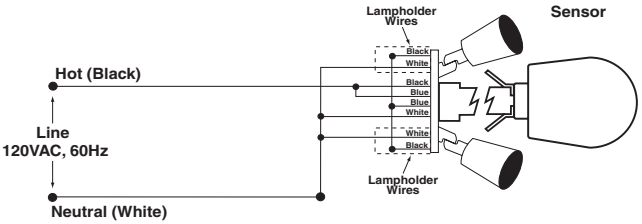
ELECTRICAL	
Load Ratings	PS110/PS200: Incandescent: 1000W @ 120V. Fluorescent/Inductive: 500VA @ 120V. For 60 Hz. AC only PS200-70: 220-277VAC, 50/60Hz; 2000W Incandescent/Ballast RS110-1: Incandescent: 500W@120V Fluorescent/Incandescent: 500VA @ 120V, 60Hz
Power Consumption	120V - 1.5W; 230V - 1.5W (PS110); 230V - 2.5W (PS200); 277V - 2.0W (PS110), 277V - 3.0W (PS200)
ENVIRONMENTAL	
Operating Temp Range	-14° F to 130° F (-10° C to 55° C)
Storage Temp Range	0° F to 131° F (-17° C to 55° C)
IP Rating	IP65
Relative Humidity	20 to 90% non-condensing
OTHER	
Listings	UL Listed and CSA certified (excludes PS200-70), UL 773 Enclosure Rating, meets ASHRAE Standard 90.1 requirements
Warranty	Limited Five-Year Warranty

WIRING DIAGRAMS

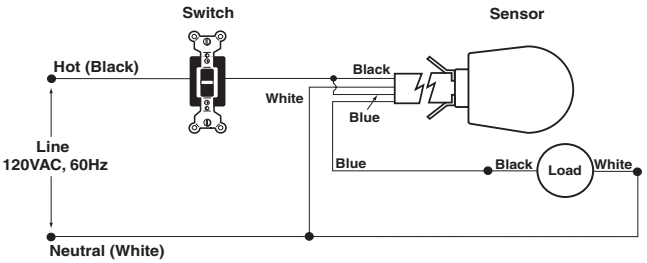
PS110-10, PS200-10 and RS110-10



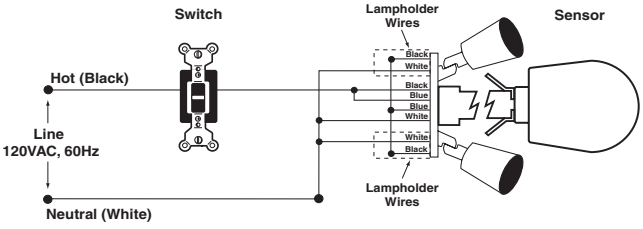
PS110-1F, PS200-1F and RS110-1F



PS110-10 and PS200-10



PS110-1F, PS200-1F and RS110-1F



ORDERING INFORMATION

CAT. NO.	DESCRIPTION
PS110-10	Outdoor PIR Motion Sensor, 120V
PS110-1F	Outdoor PIR Motion Sensor with Dual Floodlight Lampholder, 120V
PS110-70W	Outdoor PIR Motion Sensor, 110° FOV, 220-277VAC, 60Hz
PS110-7FW	Outdoor PIR Motion Sensor, 110° FOV w/Dual Floodlight Option, 220-277VAC, 60Hz
PS200-10	Outdoor PIR Motion Sensor, 120V
PS200-1F	Outdoor PIR Motion Sensor with Dual Floodlight Lampholder, 120V
PS200-70	Outdoor PIR Motion Sensor, 220-277VAC
PS200-7FW	Outdoor PIR Motion Sensor, 200° FOV, 220-277VAC, 60Hz
RS110-10W	Outdoor PIR Motion Sensor Economy, 120V
RS110-1FW	Outdoor PIR Motion Sensor Economy, with Lampholder & Square Wallplate, 120V

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