Instruction Bulletin

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Residential Vacancy Sensor, SLSPWS120V

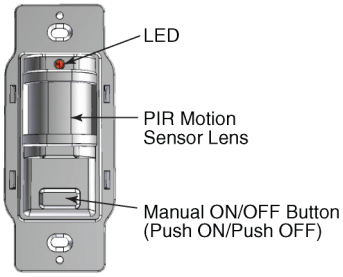
RETAIN FOR FUTURE USE

INTRODUCTION

The Residential Vacancy Sensor allows direct replacement of standard wall switches. Using passive infrared technology (PIR), these sensors combine occupancy detection and voltage switching in a single package. These units automatically turn off lights after a room or an area has been vacant for 30 minutes.

FEATURES

Figure 1: Residential Vacancy Sensor Features (front view)



- Manual On/Automatic Off operation
- Fixed 30 min. time delay–no adjustment required
- 30 second auto ON grace period
- 180° motion detection
- Button for manual On/Off control
- Incandescent or fluorescent (120V) applications

STANDARDS AND SPECIFICATIONS

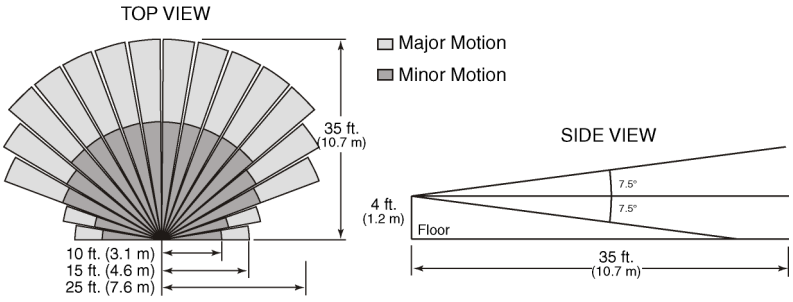
Standards/Regulations	Title
c UL	cUL Listed
UL	UL Listed
FC	Class B Digital Device for Home or Office
California Energy Commission	Title 24 certified

Specifications	
Input:	120 Vac +/-10% 60Hz
Output:	120 Vac – 1000 W max. tungsten incandescent load – 1000 VA max. fluorescent ballast load – 1/4 hp max. motor load
Temperature:	32–122 °F (0–50 °C)
Humidity:	Max. 90% RH non-condensing

Locations and Coverage Pattern

The Residential Vacancy Sensor provides major motion detection up to 1000 sq. ft., and minor motion detection up to 400 sq. ft.

Figure 2: Coverage Area and Pattern



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INSTALLATION

Follow all of the steps and safety precautions in this section to properly install Residential Vacancy Sensor.

Safety Precautions

This section contains important safety precautions that must be followed before attempting to install or maintain electrical equipment. Carefully read and follow the safety precautions below.

⚠ DANGER

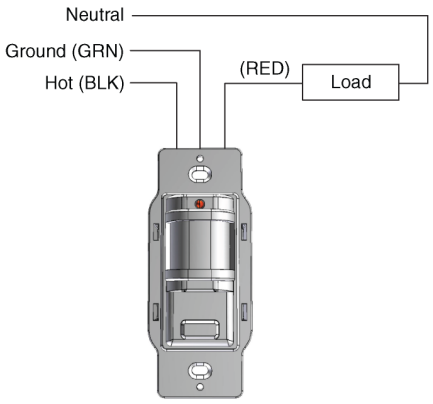
HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- Apply appropriate personal protective equipment (PPE) and follow safe electrical work practices. See NFPA 70E.
- This equipment must be installed and serviced by qualified electrical personnel.
- Turn off all electrical power supplying this equipment before working on or inside the equipment.
- Always use a properly rated voltage sensing device to confirm that power is off.
- Replace all devices, doors, and covers before turning on power to this equipment.

Failure to follow these instructions will result in death or serious injury.

Installing the Sensor

Figure 3: Wiring Connections



NOTE: When first installed, the sensor may have to warm up for a few minutes before it is fully operational.

Follow the steps below to properly install the sensor unit.

1. Turn off power at the circuit breaker. Always use a properly rated voltage sensing device to confirm power is off.
2. Remove existing switch, if applicable.
3. Wire the sensor according to the "Wiring Connections" diagram.
4. Mount sensor in electrical box and secure with two captive screws.
5. Sensor must have clear view of coverage area.
6. Attach wall plate (included) with two screws provided.
7. Turn on power at the circuit breaker.
8. Press the button to turn on lights. Lights will not turn on automatically. Whenever motion is detected, the red LED at the top of the sensor will flash on for approximately 0.5 seconds, and the lights will remain ON.
9. Vacate the room until the lights turn off.
10. If the sensor does not operate, verify correct sensor wiring, including a secure ground connection, and restore power.

AUTOMATIC ON GRACE PERIOD

If motion is detected within 30 seconds after the lights automatically turn OFF, the sensor will automatically turn the lights back ON.

Contact the Customer Information Center for technical support by phone at 1-888-778-2733 or e-mail at lightingcontrol.support@us.schneider-electric.com.

You may also find helpful information on our web site at www.Schneider-Electric.us.

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