

TROUBLESHOOTING

To test the detection coverage:

During the TEST mode, the controlled load turns ON for 5 seconds each time the sensor detects occupancy.

1. Press and hold the ON/OFF button. After 10 seconds the pilot light flashes. The controlled light turns ON if it was not already ON. The sensor is now in a TEST mode that lasts 5 minutes. (You can end the TEST mode sooner by pressing the ON/OFF button for another 10 seconds).
2. Move out of the coverage area or stand very still. The controlled light turns OFF after 5 seconds, if no motion is detected.

3. Move in the coverage area. The controlled light turns ON for 5 seconds each time the sensor detects motion.

After 5 seconds expire without motion detection, the light turns OFF.

The controlled light turns ON automatically with the next motion detection and stays on for 5 seconds.

4. Repeat as necessary to ensure that the desired coverage areas are within detection range.

Light will not turn ON (pilot light is visible):

Press ON/OFF button. The light should turn ON. If not:

- Check the light bulb
- Turn off power to the circuit then check wire connections.

Light will not turn ON (pilot light is NOT visible):

- Check the light bulb.
- Make certain that the circuit breaker is on and functioning
- Turn off power to the circuit then check wire connections
- Call 800.223.4185 for technical support

Light will not turn OFF:

- Make sure no motion is occurring in the coverage area until the 30 minute time delay expires.
- Hot air currents and heat radiating devices can cause false detection. Make sure the sensor is at least 6 feet (2 meters) away from devices that are a significant heat source (e.g., heater, heater vent, high wattage light bulb).
- Press the ON/OFF button. If light does not turn off, turn off power to the circuit then check wire connections.

Visit our website at: www.passandseymour.com

Limited FIVE YEAR Warranty

Pass & Seymour/Legrand will remedy any defect in workmanship or material in Pass & Seymour/Legrand products which may develop under proper and normal use within five years from the date of purchase by a consumer:

(1) by repair or replacement, or, at Pass & Seymour/Legrand's option, (2) by return of an amount equal to the consumer's purchase price. Such remedy is IN LIEU OF ANY AND ALL EXPRESSED OR IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Such remedy by Pass & Seymour/Legrand does not include or cover cost of labor for removal or reinstallation of the product. ALL OTHER FURTHER ELEMENTS OF DAMAGE (INCIDENTAL OR CONSEQUENTIAL DAMAGES) FOR BREACH OF ANY AND ALL EXPRESSED OR IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXCLUDED HEREBY. (Some states do not allow disclaimer or exclusion or limitation of incidental or consequential damages, so the above disclaimers and limitation or exclusion may not apply to you.) ANY IMPLIED WARRANTIES INCLUDING WHERE REQUIRED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE SHALL BE LIMITED TO THE FIVE YEAR PERIOD SET FORTH ABOVE. (Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.)

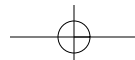
To ensure safety, all repairs to Pass & Seymour/Legrand products must be made by Pass & Seymour/Legrand or under its specific direction. Procedure to obtain performance of any warranty obligation is as follows: (1) Contact Pass & Seymour/Legrand, P.O. Box 4822, Syracuse, NY 13221 for instructions concerning return or repair; (2) return the product to Pass & Seymour/Legrand, postage paid, with your name and address and a written description of the installation or use of the Pass & Seymour/Legrand product, and the observed defects or failure to operate, or other claimed basis for dissatisfaction.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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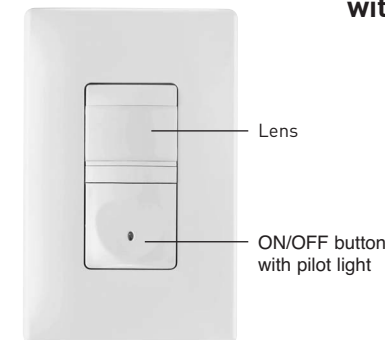


P.O. Box 4822, Syracuse, NY 13221-4822
 Technical Support: 800.223.4185 • www.passandseymour.com
 340799 Rev. B 08128



Please read all instructions before installing

RW500B PIR Vacancy Sensor Switch with Manual ON/OFF



SPECIFICATIONS

Voltage	120VAC, 60Hz
Load	Single Pole Circuit25-500 Watt Incandescent light
Time Delay30 minutes
EnvironmentIndoor use only
Operating Temperature32° to 131°F (0° to 55°C)
Humidity95% RH, non-condensing
Electrical Supply Wire	. . . Minimum temp. rating 75°C (167°F)
Tools Needed:	Insulated Screwdriver Wire Strippers

Pass & Seymour



Syracuse, NY 13221

Installation Instructions



DESCRIPTION AND OPERATION

The RW500B Vacancy Sensor is designed to replace a standard light switch. It is ideal for bedroom and bathroom applications.

Like a standard switch, you press the ON/OFF button to turn the light ON and OFF. Unlike a standard switch, the RW500B automatically turns OFF the light after the coverage area has been vacant for 30 minutes. If motion is detected within 30 seconds after it automatically turns OFF, the RW500B automatically turns the light back ON.

Pilot Light

To help you locate the RW500B in a dark room, the pilot light illuminates the ON/OFF button while the controlled light is OFF. When the controlled light is ON, the pilot light is OFF.

Coverage Area

The RW500B has a maximum coverage range of 180 degrees and a coverage area of 600 square feet (56 square meters). The sensor must have a clear and unobstructed view of the coverage area. Objects blocking the sensor's lens may prevent detection thereby causing the light to turn off even though someone is in the area.

Windows, glass doors, and other transparent barriers will obstruct the sensor's view and prevent detection.

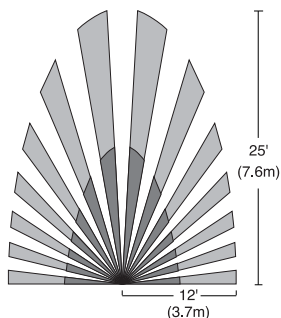


Fig 1: Sensor Coverage Area

INSTALLATION & WIRING



WARNING



Disconnect power to the wall switch box by turning OFF the circuit breaker or removing the fuse for the circuit before installing the RW500B, replacing lamps, or doing any electrical work.

1. Prepare the switch box.

After the power is turned off at the circuit breaker box, remove the existing wall plate and mounting screws. Pull the old switch out from the wall box.

2. Identify the type of circuit.

In a Single Pole Circuit (see Fig. 2), two single wires connect to two screws on the existing switch. A ground wire may also be present and connected to a ground terminal on the old switch.

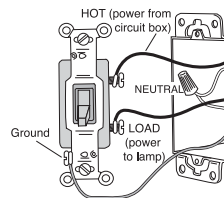


Fig 2: Typical Single Pole Switch Wiring

CAUTION

For your safety: Connecting a proper ground to the sensor provides protection against electrical shock in the event of certain fault conditions. If a proper ground is not available, consult with a qualified electrician before continuing installation.

Only connect the RW500B to a Single Pole Circuit. The RW500B is not suitable for 3-way switching. If the existing wiring does not match the description for a Single Pole Circuit, you should consult with a qualified electrician. If 3-way switching is required, use P&S 3-way vacancy sensor, RW3U600.

3. Prepare the wires.

Tag the wires currently connected to the existing switch, so that they can be identified later. Disconnect the wires. Make sure the insulation is stripped off the wires to expose their copper cores to the length indicated by the "Strip Gage" in Fig. 3 (approximately 1/2 inch).

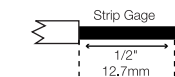


Fig 3: Wire Stripping

4. Wire the sensor.

Twist the existing wires together with the wire leads on the RW500B sensor as indicated below. Cap them securely using the wire nuts provided. See Fig 4.

- Connect the green or non-insulated (copper) GROUND wire from the circuit to the green wire on the RW500B.
- Connect the power wire from the circuit (HOT) to the black wire on the RW500B.
- Connect the wire to the lamp (LOAD) to the red wire on the RW500B.

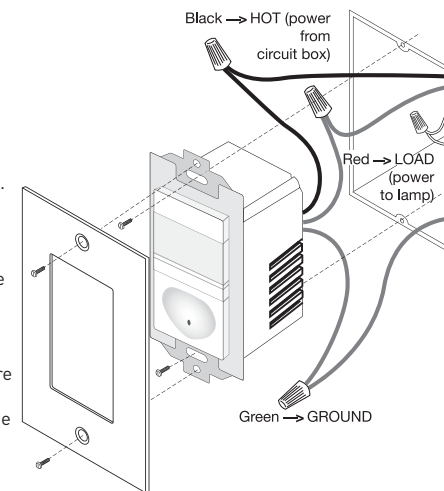


Fig 4: Sensor orientation, wire connections and wall box assembly

5. Put the RW500B in the wall box with the lens positioned above the ON/OFF button (lens at top, button at bottom).

Secure it to the wall box with the screws provided.

6. Attach the new cover plate.

7. Restore power to the circuit.

Turn on the breaker or replace the fuse.

REV.	DESCRIPTION	INT.	REV.DATE	APPROVED
1	340799	JAR		

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- Print: 2-sided
- Ink Color: Black
- Paper: White 16lb (60g/m sq)
- Final trim size: 12" (Wide) x 6" (High).
- Three (3) fold.
- Final folded size: 4" (Wide) x 6" (High).



IF YOU HAVE ANY QUESTIONS REGARDING SPECIFICATIONS OR REQUIRE
 ADDITIONAL FILE FORMATTING, PLEASE CONTACT Joyce Rougeau.
 Phone: 315.437.7561
 Email: jrougeau@aggraphics.com

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