

Installation steps:

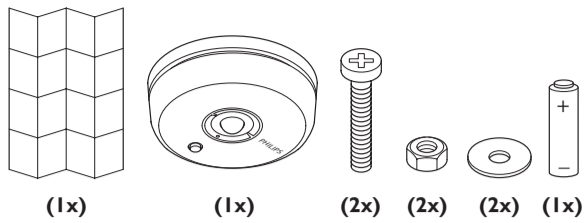
- 1 Install the switch
- 2 Install the sensor
- 3 Link devices
- 4 Configure, test & finish

PA-7200-R01 08-09

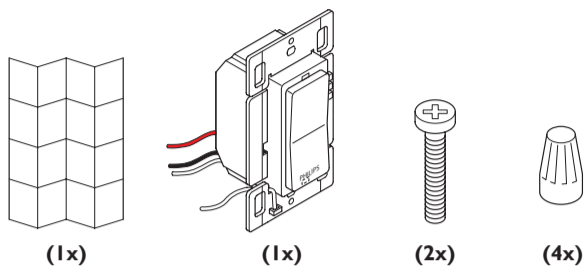


Product overview

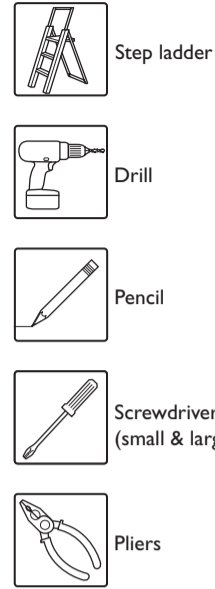
What's in the sensor box



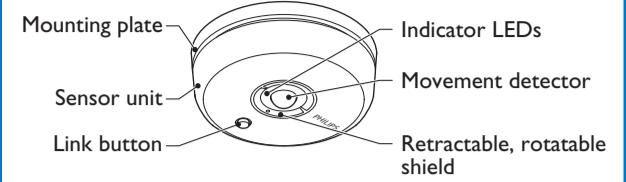
What's in the switch box



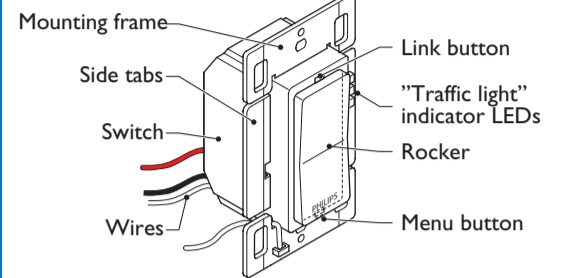
Tools you may need



Movement detector ("sensor")



Wall switch ("switch")



Product description

OccuSwitch™ Wireless is a system for automatically controlling the lights based on occupancy. The system uses two parts: a ceiling-mounted sensor and a switch. The switch will turn the lights on and off based on the information it wirelessly gets from the battery-powered sensor.

Key figures

Sensor coverage area	Will vary based on ceiling height (up to 12ft). For a typical height of 8ft (2.4m): Large motion 17.7 x 23.6ft (5.40m x 7.20m) Small motion 11.8 x 17.7ft (3.60m x 5.40m) Larger areas will require multiple sensors.
Wireless range	Switch - sensor: 50ft (17m) Switch - switch (same plane): 18ft (6m) Switch - switch (line of sight): 50ft (17m)
Maximum network size	10 Sensors/switches (any combination)
Operating voltage	120V AC or 277V AC, 60Hz
Load rating:	Electronic 120V / 10.8A / 1300VA Fluorescent Ballast 277V / 4.7A / 1300VA
	Electromagnetic 120V / 10.8A / 1300VA Fluorescent Ballast 277V / 4.7A / 1300VA
	Incandescent lamps 120V / 6.67A / 800W
	Motor load 120V / 0.25HP
Sensor dimensions (diameter x height)	3.3 x 0.98 in (84 x 25mm)
Battery	Lithium-thionyl chloride, AA 3.6V DC
Switch dimensions (l x w x d)	4.13 x 2.56 x 1.79 in (105 x 65 x 45mm)
Minimum wall box depth	2.5 in
Operating conditions: temperature	41°F - 104°F (5°C - 40°C)
Operating conditions: humidity	20% - 85%, non-condensing

SAFETY

Parts of the switch carry mains power, which is a potential lethal voltage. This product was designed and manufactured to ensure maximum safety during operation and service. Always read these safety instructions before installing, maintaining or servicing the product, and strictly comply with these instructions.

General

- If you are unsure about any part of these installation instructions, consult a qualified electrician.
- The devices are designed for indoor use only.
- Do not expose the product to rain or moisture, to avoid short circuit. Short circuit may cause fire or electric shock hazard. Operate the devices between 41°F and 104°F (5°C and 40°C).
- Use only a soft damp cloth to clean devices, never use any abrasive or chemical cleaner.
- Whenever it is suspected that safety protection is impaired, the product must be made inoperative and secured against unintended operation. The device must be serviced or replaced as soon as possible. Safety is likely to be impaired if, for example, the equipment fails to perform the intended functions or if the equipment shows visible damage.
- Do not paint the devices.

Switch only

- Disconnect power at circuit breaker or fuse when servicing, installing or removing the fixture of the switch.
- Use the switch only with copper or copper clad wire.
- Connect the switch to the power mains according to the wiring scheme in this manual.

Sensor only

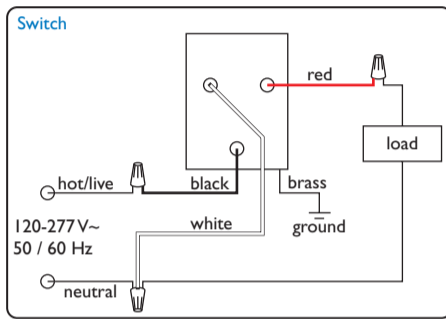
- The sensor cannot be used to control any load, without a compatible switch.
- Use only high-quality 3.6V lithium-thionyl chloride batteries with the sensor: one (1) Lithium-thionyl chloride (AA, 3.6V). Using improperly rated batteries may damage the sensor.
- Dispose of used batteries promptly. Keep batteries away from children, do not disassemble and do not dispose of in fire.

WARNING: This product must not be used to control equipment that could create hazardous situations when operated accidentally, like entrapment. Examples of equipment that must not be controlled with this product include (but are not limited to) motorized gates, garage doors, industrial doors, (microwave) ovens, heating devices etc.

WARNING: It is the installer's responsibility to ensure that the equipment being controlled is visible from every control location and that only suitable equipment is connected to these controls. Failure to do so could result in serious injury or death.

CAUTION: The battery used with the sensor device may present a risk of fire or chemical burn if mistreated. Do not recharge, disassemble, heat above 100°C, or incinerate. Replace battery with Lithium-thionyl chloride (AA 3.6V) only. Use of another battery may present a risk of fire or explosion.

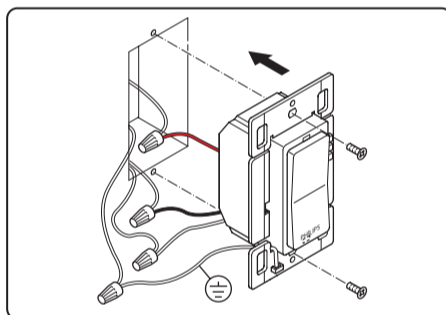
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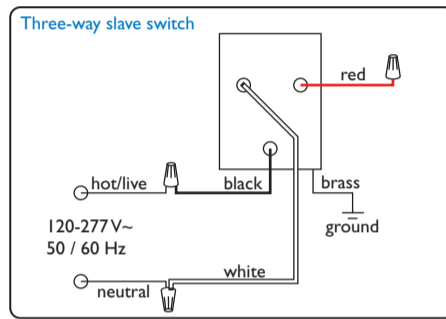
WARNING: Wiring the device with power ON could result in serious injury or death.

- 1 Remove power from the mains at fuse or circuit breaker.
- 2 Remove the old switch, if needed.
- 3 Connect the wires according to the wiring diagram above.

Note: Hot/live and neutral may not be swapped.

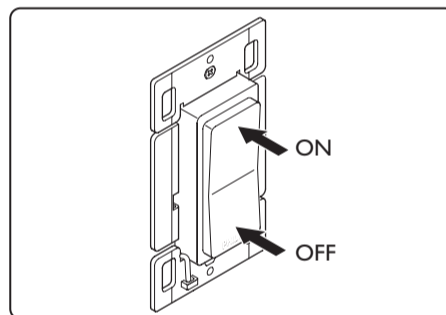


- 6 Place the switch into the wall box, and fix it with the mounting bolts.
- 7 Power the mains at fuse or circuit breaker.

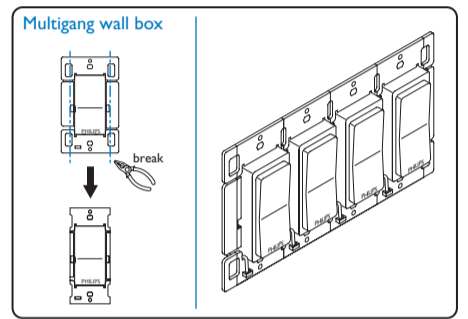


- 4 For a **three-way circuit** connect the wires as follows:

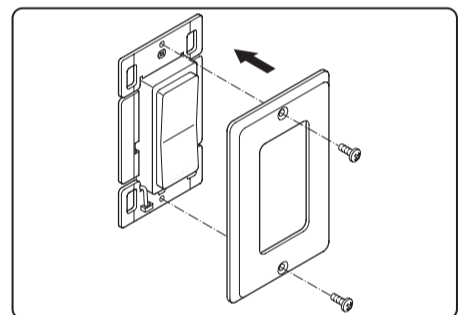
- The master switch (that controls the load) according to the regular wiring diagram.
 - The slave switch (no load) according to the wiring diagram above. Make sure that the switch has a steady feed (hot/live and neutral).
- The three-way configuration is done via the menu, later in the installation.



- 8 Test that the switch is wired correctly using the rocker to turn the lights ON/OFF.

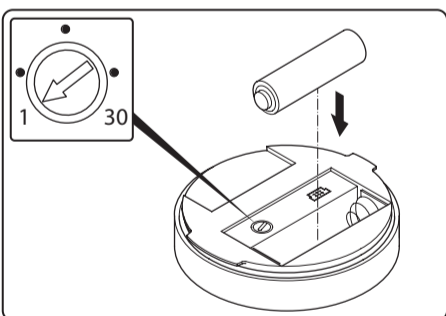


- 5 If installing in a multigang wall box: break the tabs of joining sides. Do not break the outside tabs on controls at the end of the gang.



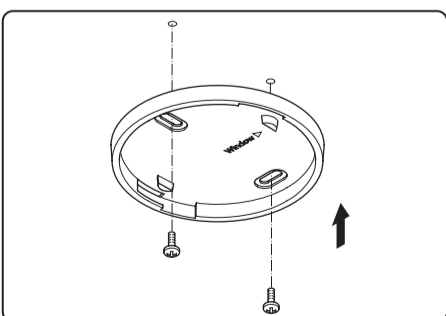
- 9 Attach a wall plate adapter and wall plate. Wall plate and adapter must be purchased separately.

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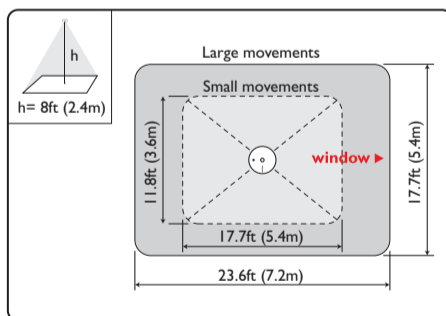


- 1 Set the dial on the sensor to **1 minute** for testing purposes.
- 2 Place the battery into the sensor.

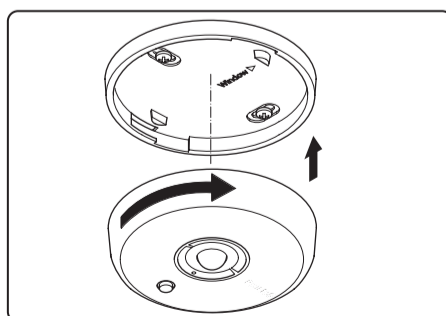
CAUTION: Only use a high-quality 3.6V lithium-thionyl chloride battery with the sensor. See **SAFETY** for more information on the battery.



- 4 Fix the mounting plate onto the sensor's location, using the mounting hardware. Alternatively, use toggle bolts (not included).



- 3 Choose the sensor location on the ceiling. The **window** arrow in the mounting plate defines the direction of the detection field, which is rectangular. See **Sensor placement guidelines** for more information.

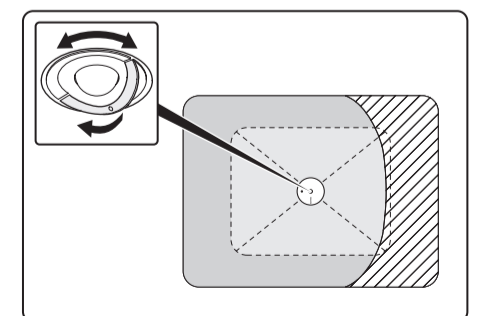


- 5 Place the sensor onto the mounting plate, and rotate clockwise to fix.

Install the sensor

Sensor placement guidelines

- The sensor should be mounted in such a way that:
 - Small movements are detected for the workspace
 - Large movements are detected for the entire room, and in particular for the area near the doorway.
 - Motion from adjacent areas, e.g. the hallway, is not picked up.
- The center of a room is usually not a good location. Moving the sensor towards the wall where the door is located may still cover the entire room, while blocking unwanted detection of motion from the hallway.
- The sensor should not be placed close to heat sources (especially incandescent lamps) or HVAC exhausts.



- 6 If needed, pull out the sensor shield (indicated on the ring with a dot), and rotate it to the required direction. This step is covered in more detail in **Configure, test & finish**.

FCC and IC Regulations

This device complies with Part 15 of the FCC Rules and RSS-Gen of IC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC WARNING: Changes or modifications not expressly approved by Philips Lighting Electronics N.A. could void the user's authority to operate the equipment. This product is intended for commercial use only.

Co-location: This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

CAUTION: Radio Frequency Radiation Exposure
This equipment complies with FCC radiation exposure limits set forth for uncontrolled equipment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated with at least 20cm and more between the radiator and person's body (excluding extremities: hands, wrists, feet and ankles).

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TECHNICAL SUPPORT

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