

TORK® PIR IN-LINE WALL SWITCHES

MODEL#: **OSWS9P SERIES**



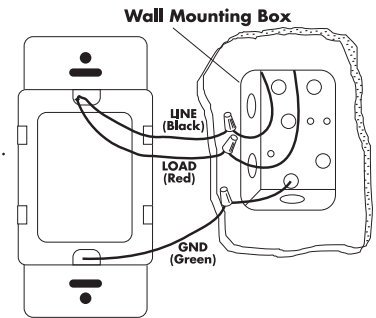
DESCRIPTION:	PASSIVE INFRARED IN-LINE WALL SWITCHES
CONTACT RATINGS:	OSWS9P-120: 120VAC, 50/60Hz OSWS9P-277: 277VAC, 50/60Hz
SWITCH CAPACITY:	OSWS9P-120: 1000W Ballast, 800W Incandescent, 1/6HP@120VAC OSWS9P-277: 1800W Ballast, 1/6HP@277VAC
SPECIFICATIONS:	VIEW ANGLE: 180° • WEIGHT: 7oz. 1 3/4" x 2 11/16" x 1 5/8"

This sensor should be installed with a visually unobstructed view of the workspace normally occupied by the person(s). If the occupant cannot see the sensor from their normal work position, the sensor will not be able to detect their presence. File cabinets, doors, indented walls, etc. are typical types of obstructions. Refer to Typical Occupancy Sensing Pattern on reverse.

CAUTION: Before starting any installation procedure, be sure power to circuit is turned off at the main service panel. Timer adjustment must also be performed while power circuit is off.

INSTRUCTIONS

1. Remove existing switch and disconnect wires.
2. Connect wires to OSWS9P using wire connectors. NOTE: The OSWS9P is polarity sensitive. The black wire of the unit must be connected to the (HOT) line incoming power wire. The red wire of the unit must be connected to the load circuit wire. The green wire must be connected to the ground. This is necessary for the unit to operate properly.
3. Attach model OSWS9P to the wall by mounting it in the wall box with the mounting screws provided.
4. Press the Auto/Off switch to AUTO. After a short delay, the lights will turn ON. When the room is vacated, the lights will turn OFF.
5. When button is flush, unit is ON.



COVER SWITCH PLATES: The OSWS9P automatic wall switch fits behind industry standard decorator style switch plates, single or multiple gang.

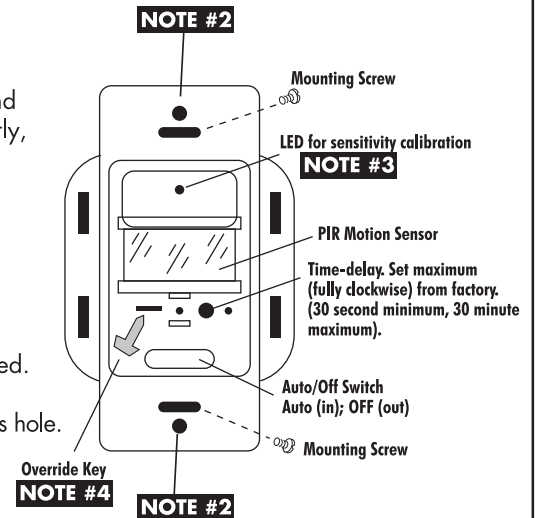
UNIT CONTROLS & ADJUSTMENT

In the view shown, maximum adjustment is clockwise, minimum is counterclockwise.

1. Adjustments should be made after 5 minute warmup.
2. Turn time delay to minimum, leave the room, and the lights will go off after 30 seconds.
3. To test the detection pattern of OSWS9P, make no motion for 20 seconds. This 20 second no-motion time period must occur in order for the test LED charge circuit to function properly, and has no effect on normal sensor operation. Move sideways up to 12 inches, the red test LED should blink.
4. OSWS9P passive infrared sensing circuit sensitivity is factory set at optimum detection, so that no field adjustment is required.
5. The time adjustment can be set from 30 seconds to 30 minutes.

NOTES, referring to diagram at right:

1. For proper operation, warmup time of two minutes is required after initial power is applied. When unit comes from a cold environment, wait one hour before normal operation.
2. This hole is for cover plate screw. CAUTION: Overtorquing of screw will cause stripping of this hole.
3. LED will not indicate when motion is continually being detected. Recharge of LED circuit requires 20-30 seconds of no motion to flash on initial detection only.
4. When this key is inserted into the slot, lights will always be on. This key is for emergency use only.



See Reverse side of sheet for TYPICAL OCCUPANCY SENSING PATTERNS diagram, Sensitivity Testing and Troubleshooting Tips.

TWO YEAR LIMITED WARRANTY: If this product fails because of a manufacturing defect within one year after purchase, we will, at our option, either repair or replace it at no charge. Our warranty does not cover damage caused by accident, abuse or misuse. We assume no further liability with respect to the sale or use of this product. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE WARRANTY OF MERCHANTABILITY. We make no warranty with respect to the fitness of any goods for the users particular application. This warranty gives you specific legal rights, and you also may have other rights which vary from state to state.

It is our intent to provide accurate and current specification information. However, in the interest of product improvement, TORK may alter the specifications or constructional details without prior notice.

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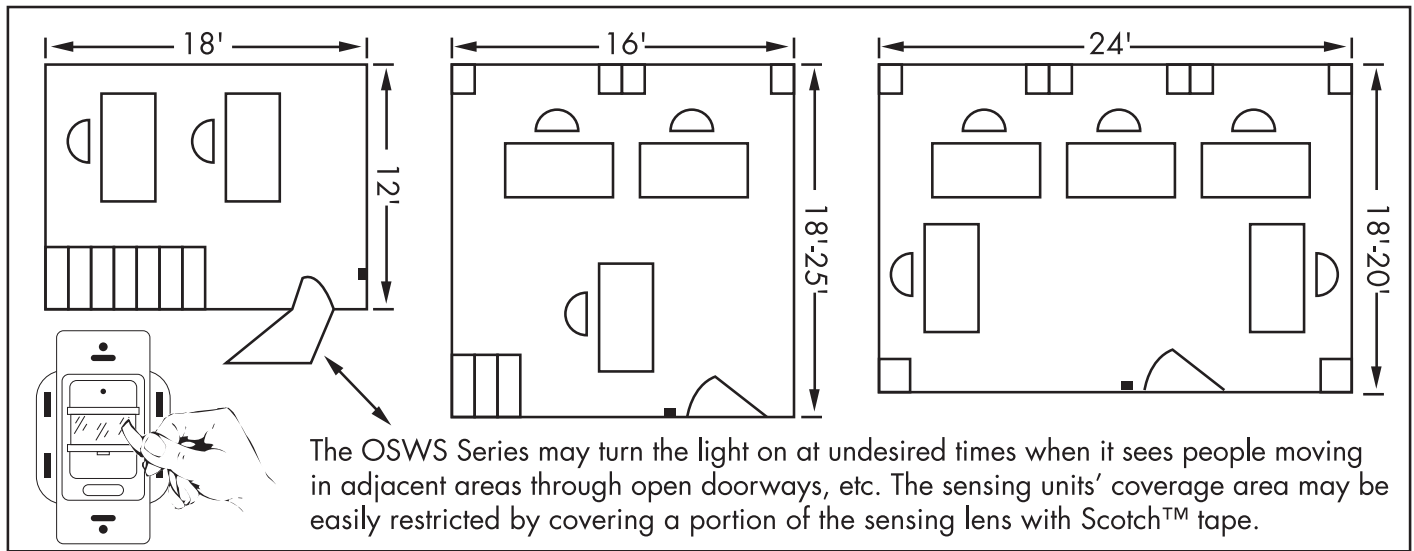
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SPECIFICATIONS:

VIEW ANGLE: 180° • WEIGHT: 7oz.
1 3/4" x 2 11/16" x 1 5/8"

TYPICAL OCCUPANCY SENSING PATTERNS

 TYPICAL OCCUPANCY SENSING PATTERNS



SENSITIVITY TEST

- Walk to the center of the room or activity area. Make no motion for 20 seconds. This 20 second no-motion time period must occur in order for the test LED charge circuit to function properly, and has no effect on normal sensor operation.
- Move one arm up and down slowly. The red test LED should blink.

TROUBLESHOOTING TIPS

- PROBLEM:** The red LED blinks for no apparent reason when no motion is present.
SOLUTION: Check for air turbulence. The sensor may be affected by a nearby heating or air conditioning outlet. Try turning the air stream away from the sensor, or use a ceiling mounted sensor available from TORK.
- PROBLEM:** After main power is restored, lights do not come on when making motion.
PROBLEM: After lights are automatically switched off for the very first time, the lights will no longer switch on.
SOLUTION: (To both above problems): Remove sensor from existing electrical switch box. Verify that the black wire is connected to the incoming hot leg and the red wire to the switched leg (light fixture). Make sure that the switch box is electrically connected to an earth ground. This can be verified with a volt meter by taking a reading between the hot leg and the electrical switch box.