

WIRING DIRECTIONS

To be installed by a certified electrician or other qualified person.

WARNING – To prevent severe shock or electrocution, turn power off at the circuit breaker before installing power pack or sensor.

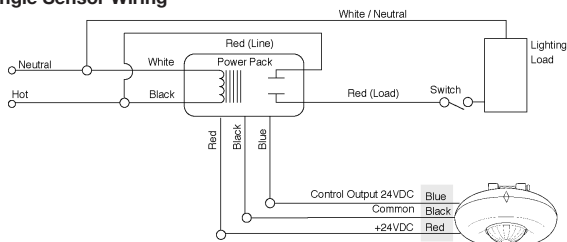
For normal installation, connect:

BLUE wire from power pack to **BLUE** wire from sensor.

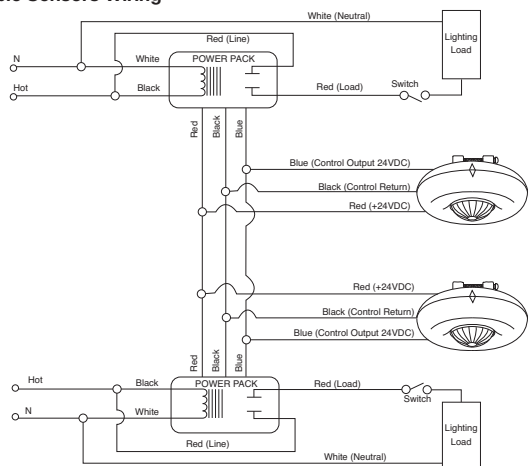
RED wire from power pack to **RED** wire from sensor.

and **BLACK** wire from power pack to **BLACK** wire from sensor.

Single Sensor Wiring



Multiple Sensors Wiring



LIMITED FIVE YEAR WARRANTY

Pass & Seymour will remedy any defect in workmanship or material in Pass & Seymour products which may develop under proper and normal use within five (5) years from date of purchase by a consumer:

(1) by repair or replacement, or, at Pass & Seymour's option, (2) by return of an amount equal to 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 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 limitations on how long an implied warranty lasts, so the above limitation may not apply to you.)

To insure safety, all repair to Pass & Seymour products must be made by Pass & Seymour, or under its specific direction. Procedure to obtain performance of any warranty obligation is as follows: (1) Contact Pass & Seymour, Syracuse, New York 13221, for instructions concerning return or repair, (2) return the product to Pass & Seymour, postage paid, with your name and address and a written description of the installation or use of the Pass & Seymour 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.

Pass & Seymour
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P.O. Box 4822
Syracuse, NY 13221
(800) 223-4185

Part No. 340410 Rev. B
Printed in U.S.A.

INSTALLATION & OPERATING INSTRUCTIONS CS1001 UNIVERSAL MOUNT PIR OCCUPANCY SENSOR



Pass & Seymour
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UNIT DESCRIPTION

The CS1001 is a 24VDC low voltage passive infrared occupancy sensor. It is designed to detect the motion of people within its viewing area. When used with either PWP120 or PWP277 control unit, the sensor will control incandescent or fluorescent loads based on room occupancy.

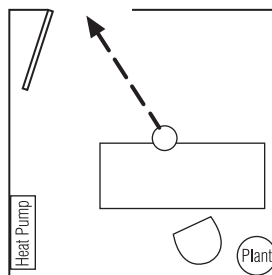
SPECIFICATIONS

| | |
|------------------------|---------------------------|
| Voltage | 24VDC |
| Power Supply | Pass & Seymour Power Pack |
| Current Consumption | 8mA Typical |
| Automatic Time Control | 20 minutes |

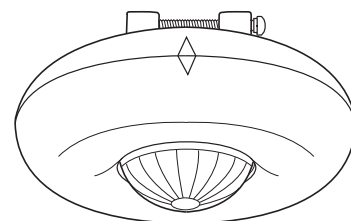
APPLICATION

Install the sensors with the room's application in mind. If the room is used for long periods of minor motion such as a person working at a computer, locate the sensor so that it has an unobstructed view of the person's hands, and that view is within the minor motion circle.

The arrow on the case lines up with long distance triggering zones. Rotate the unit in its mounting so that the arrow points to the entrance of a room or area. The unit will then trigger just as the person walks into the room.



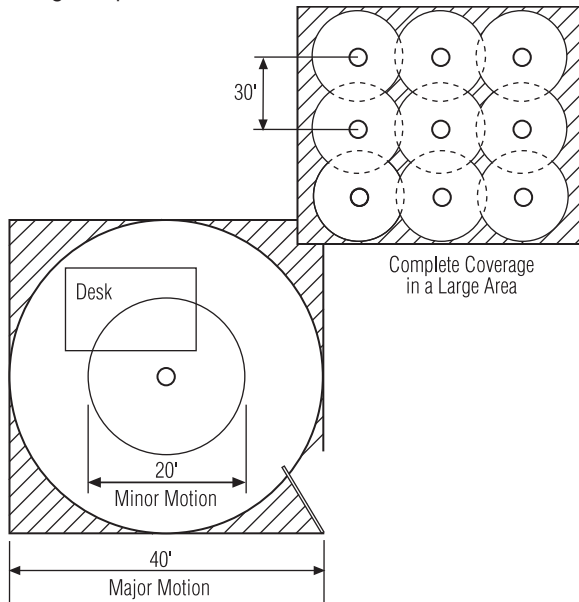
Point the arrow at a doorway or an area of activity.



Arrows for aiming.

COVERAGE PATTERN

The CS1001 is a "line of sight" sensor which needs a clear view of people in a room. The unit should be positioned to take advantage of its viewing pattern. The center zone will detect minor motion of a person working at a desk or keyboard. The outer zones will detect major motions of a person moving their arms or taking a step.



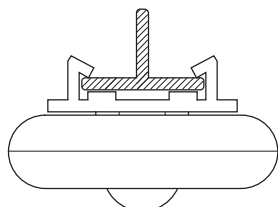
INSTALLATION

The CS1001 has several mounting options. It can be clipped into a hole drilled into the ceiling or panel. It can be attached to the grid system of a suspended ceiling with built-in clips. It can be mounted onto a wall plate (P&S S1001) for box mounting. And it can be surface mounted with #8 flat head screws.

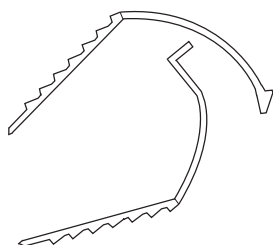
INSTALLATION DETAILS:

To install on a suspended ceiling grid system:

Break off the two long “L” shaped mounting arms by twisting them at the hinge. There are two small hooks molded into the back of the bracket. Clip one side of the bracket onto the grid first. Then gently turn the sensor counterclockwise to engage the second hook. Route the low voltage wires around the edge of the ceiling panel, or drill a 1/4” diameter hole in the panel next to the grid to run the wires through.



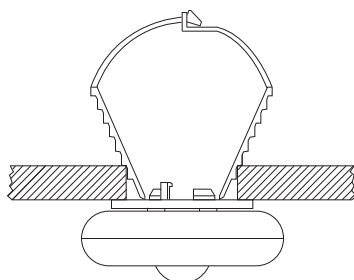
Clip onto ceiling grid.



Tear off and discard.

To install on a suspended ceiling panel:

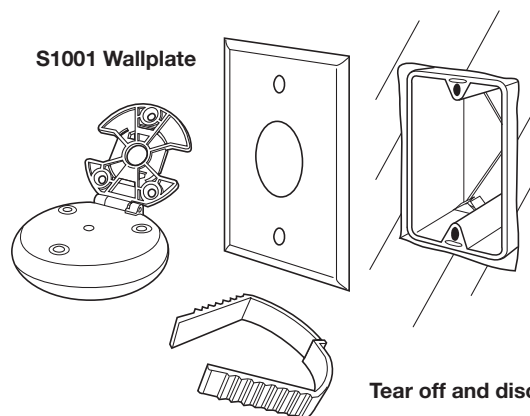
Drill a 1-1/2” diameter hole in the panel. Fold the two “L” shaped brackets together so that the snap on one arm engages the slot in the other arm. Pull the correct type of low voltage signal wire through the ceiling and out through the drilled hole. Connect the three wires from the sensor. Squeeze the arms near the base and push them into the hole. When you release the arms, they will spring open and hold the sensor in place.



Drill a 1-1/2” diameter hole.

To install on a wall plate:

Break off the two long “L” shaped mounting arms by twisting them at the hinge. Snap the bracket into the hole in the wall plate. Complete the wiring and fasten the wall plate to the wall box or to the wall surface.



S1001 Wallplate

Tear off and discard.

SENSOR ADJUSTMENT

The CS1001 has an automatic time control function built in. When first powered up, the unit will be in a test mode for 3 minutes. While in the test mode, the off-time delay is 10 to 15 seconds. This allows the installer to perform a walk test to verify correct installation. After 3 minutes, the unit automatically switches to a time cycle of 20 minutes. This time is designed to optimize energy savings versus inadvertent turn-off when the room is still occupied.

The unit has a small red light inside the lens. When presence is detected, this light will be on. When this light is on, the room lights should be on unless an override switch is being used in the circuit.

The unit should be wired so that the system only goes into test mode if the load circuit breaker is turned off and on. See the wiring diagram for correct installation of any override switches to prevent inadvertent power off of the CS1001.

TROUBLESHOOTING

WARNING – Turn off power at the circuit breaker before working with high voltage.

The lights do not turn on with occupancy:

LED does NOT flash:

1. Check all sensor and power pack wire connections.
2. Check for 24VDC at sensor (red & black).
 - If 24VDC is present, replace the sensor.
 - If 24VDC is not present, check that high voltage (120 or 277VAC) is present to power pack. If it is, replace power pack.
3. Call (800) 223-4185 for technical support.

LED does flash:

1. Check all sensor and power pack wire connections.
2. Check for 24VDC at the power pack's blue wire connection to sensor while someone moves in front of sensor to activate the LED. If there is no voltage, replace the sensor. If there is voltage, replace the power pack.
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The lights do not turn off automatically:

LED does NOT flash:

1. Disconnect the blue wire to the sensor.
 - If lights go out—replace sensor.
 - If lights do not go out—check wiring, if OK, replace power pack.
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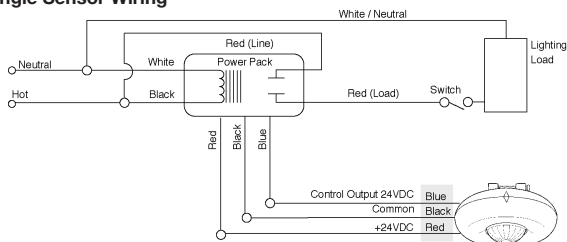
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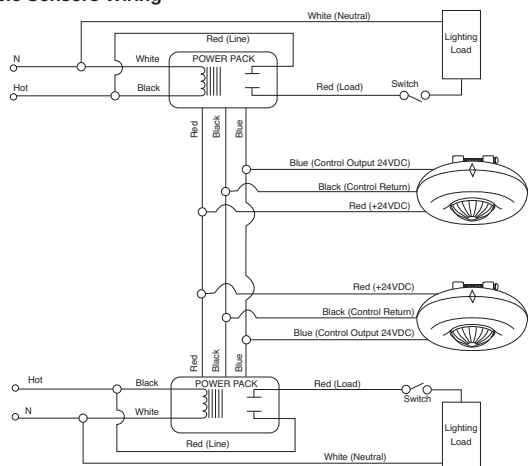
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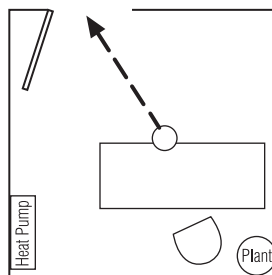
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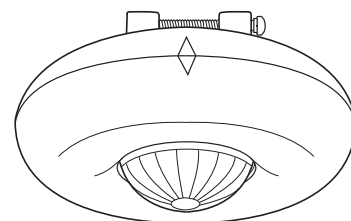
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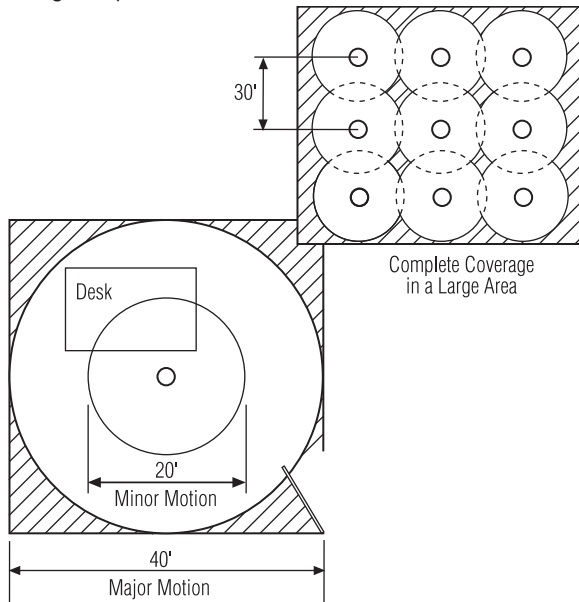
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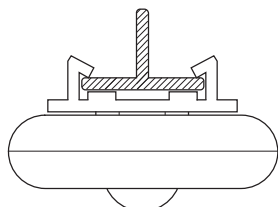
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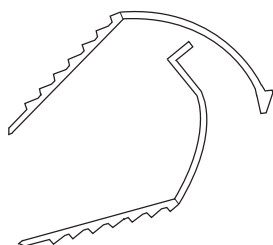
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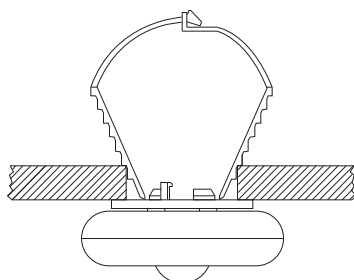
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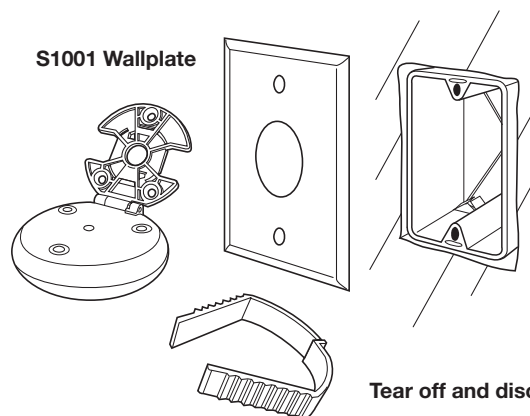
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