

# CS-50 — PIR WALL SWITCH VACANCY SENSOR



This is the PIR wall switch vacancy sensor. The CS-50 Passive Infrared (PIR) Vacancy Sensor provides automatic shutoff for single-pole lighting control applications. It is engineered to comply with specific provisions of California's Title 24-2013 energy code. The CS-50 operates as a manual-on sensor. Users must press the pushbutton to turn on lighting. The CS-50 employs PIR technology to sense the difference between the infrared energy from a person in motion and the background space. It keeps lighting on as long as motion is detected and provides automatic shutoff, following a user-selected time delay, when motion is no longer detected. Users may turn the lighting off manually. The CS-50 is shipped preset for a 30 minute time delay, and does not require any adjustment after installation. If desired, the time delay may be easily reduced to 25, 20, 15, 10 or 5 minutes or to 30 seconds. The time delay should be set relative to the anticipated duration of stay and level of activity in the room; 30 minutes for guest room and executive restroom, and 5 to 10 minutes for pantries and laundry rooms. **Check out Wattstopper DLM products here.**

- Replaces single-pole switches
- Adjustable time delay, 30 seconds to 30 minutes
- If enabled, status indicator blinks when motion is detected
- Low-profile styling
- Choice of five decorator colors; lens is color-matched to device

- Operates most common types of lighting or fan motors
  - Relay-based switching
  - No current leakage to load in off mode for safety
  - Compatible with decorator wall plates
  - CA Title 24 compliant
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## **MS-0PS2-XX – Maestro Passive Infrared Occupancy Sensor Switch 2 A**



- Passive infrared sensors with exclusive Lutron XCT Technology for fine motion detection
  - 180° sensor field-of-view
  - Occupancy version can be set to Auto-ON/Auto-OFF or Manual-ON/Auto-OFF
  - Occupancy sensing switch loads: incandescent, halogen, ELV, MLV, CFL, LED, magnetic fluorescent, electronic fluorescent, and fan
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# PW-301 – PASSIVE INFRARED WALL SWITCH OCCUPANCY SENSOR



This is the passive infrared wall switch occupancy sensor. The PW-301 passive infrared (PIR) wall switch sensor can turn lights OFF and ON based on occupancy. It is characterized by high sensitivity to small and large movements, appealing aesthetics, and a variety of features. The PW-301 replaces existing wall switches and installs in a single gang junction box with or without either neutral wiring. Factory default operation is for Manual-ON, so that users turn lights on only when needed. It uses advanced PIR technology to detect occupancy and keep lighting ON when it is needed. Once the space is vacated and the time delay elapses, lights automatically turn OFF. DIP switch settings allow for a variety of control options such as Auto-ON operation, walk-through and test modes. Multiple sensors may be used for control of one or more loads from up to four locations. The PW-301 sensor uses a patent pending Neutral Sense Technology. Any PW-301 sensor can be used for a two-wire or three wire application, either to work with existing wiring, or to meet local or national code requirements. An easy-to-break plastic tab covers neutral screw terminals. Once the sensor is connected to neutral it complies with all codes that restrict current leakage to ground. **Check out Wattstopper DLM products [here](#).**

- Complies with 2011 NEC requirements
- Zero-crossing for long relay life
- Vandal resistant lens combines precise coverage with

durability

- Selectable walk-through mode turns lights off three minutes after the room is initially occupied if no motion is detected after the first 30 seconds
- Test mode allows quick and easy adjustments
- Selectable audible and/or visual alerts for impending shutoff
- LED indicates occupancy detection
- In automatic mode, sensor returns automatically to Auto-ON after lights are turned off manually; ideal for presentations
- Optional light level sensing with simple setup
- Service mode allows sensor to operate as a service switch in the unlikely event of a failure
- Sensor coverage tested to NEMA Guide Publication WD 7-2000
- Compatible with decorator wall plates

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## **PW-302 — PASSIVE INFRARED DUAL RELAY WALL SWITCH OCCUPANCY SENSOR**



This is the passive infrared dual relay wall switch occupancy sensor. The PW-302 passive infrared (PIR) wall switch sensor turns lights ON and OFF based on occupancy. It contains two

relays for controlling two independent lighting loads or circuits, and a variety of features. The PW-302 replaces existing wall switches and installs in a single gang junction box with or without either neutral wiring. Each of the PW-302's relays can control a separate lighting load. The device uses advanced PIR technology to detect occupancy and turn the first relay ON. The other relay must be manually engaged to turn remaining lights on. Once the space is vacated and the time delay elapses, all lights automatically turn OFF. Dual ON/OFF buttons allow the user to manually turn on and off each of the loads. DIP switch settings allow for a variety of control options such as Manual-ON or Auto-ON for each relay, walk-through and test modes. Multiple sensors may be used for control of one or more loads from up to four locations. The PW-302 sensor uses a patent pending Neutral Sense Technology. Any PW-302 sensor can be used for a two-wire or three wire application, either to work with existing wiring, or to meet local or national code requirements. An easy-to-break plastic tab covers neutral screw terminals. Once the sensor is connected to neutral it complies with all codes that restrict current leakage to ground. **Check out Wattstopper DLM products [here](#).**

- Complies with 2011 NEC requirements
- Zero-crossing on both relays for long relay life
- Vandal resistant lens combines precise coverage with durability
- Selectable walk-through mode turns lights off three minutes after the room is initially occupied if no motion is detected after the first 30 seconds
- Test mode allows quick and easy adjustments
- LED indicates occupancy detection
- Selectable audible and/or visual alerts for impending shutoff
- In automatic mode, sensor returns automatically to Auto-ON after lights are turned off manually; ideal for presentations

- Optional light level sensor holds secondary lights off when ambient lighting is above the preset level
  - Service mode allows sensor to operate as a service switch in the unlikely event of a failure
  - Sensor coverage tested to NEMA Guide Publication WD 7-2000
  - Compatible with decorator wall plates
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## WattStopper CS-350-N PIR Dual Relay Sensor



The WattStopper CS-350-N Passive Infrared (PIR) Dual Relay Vacancy Sensor provides automatic lighting shutoff for applications that require separate switching of two loads. It is engineered to comply with specific provisions of California's Title 24-2013 energy code. The CS-350-N operates as a manual-on sensor. Users must press one or both of the on/off pushbuttons to turn on the connected loads. The CS-350-N employs PIR technology to sense the difference between the infrared energy from a person in motion and the background space. Also, the sensor keeps loads on as long as motion is detected and provides automatic shutoff, following a user-selected time delay, when motion is no longer detected. Users may turn the connected loads off manually. The integral nightlight helps preserve night vision by providing low-level illumination when the connected loads are off. The nightlight

uses energy-efficient LEDs.

## Features

- Complies with 2011 NEC requirements
- Replaces standard switches for control of lighting and/or fans
- Contains two relays to control two independent lighting loads or circuits
- Adjustable time delay, 15 seconds to 30 minutes
- Amber LED nightlight turns on whenever connected loads are off
- Lighted switch for visibility in darkened rooms
- Low-profile styling
- Choice of five decorator colors; lens is color-matched to the device
- Operates most common types of lighting or fan motors
- Relay-based switching
- No current leakage to load in off mode for safety
- Compatible with decorator wall plates
- CA Title 24 compliant

For other items like the WattStopper CS-350-N PIR Dual Relay Sensor [click here](#).

For more information on WattStopper's line of lighting control solutions [click here](#).

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# WattStopper RD-200-W PASSIVE INFRARED (PIR) DIMMING WALL

# SWITCH VACANCY SENSOR



WattStopper RD-200-W PASSIVE INFRARED (PIR) DIMMING WALL SWITCH VACANCY SENSOR. This is the Passive Infrared (PIR) Dimming Wall Switch Vacancy Sensor. The RD-200 PIR Dimming Wall Switch Vacancy Sensor provides preset dimming control and occupancy-based automatic lighting shutoff for applications throughout the home. The RD-200 can dim incandescent loads from a minimum level of 10% to a maximum level of 100%. When the pushbutton is pressed and held, the RD-200 will ramp the lights up and down in a continuous cycle until the pushbutton is released. The dimming direction may be reversed by momentarily releasing the pushbutton and then pressing it again.

- Replaces standard single pole switch or incandescent dimmer
- Low-profile styling
- Choice of four decorator colors; lens is color matched to device
- Includes matching single-gang wall plate
- Lighted pushbutton for visibility in darkened rooms
- Manual-on or automatic-on operation
- Adjustable time delay from 15 seconds to 30 minutes
- Soft start technology to prolong lamp life
- Air gap isolation switch for safe re-lamping
- If enabled, light level sensing prevents automatic-on when adequate daylight exists

For other items like the WattStopper RD-200-W PASSIVE INFRARED (PIR) DIMMING WALL SWITCH VACANCY SENSOR [click here](#).



For more information on Wattstopper's line of lighting solutions [click here](#).

CHECK OUT THIS CASE STUDY

[WS-CaseStudy-GreenHome\\_OccupancyVacancyTimeswitches](#)

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## WattStopper WPIR – PASSIVE INFRARED CEILING SENSOR



This is the passive infrared ceiling sensor. Wattstopper's WPIR Sensor is a versatile ceiling-mount sensor that utilizes the latest passive infrared (PIR) technology to turn lights on and off based on occupancy. The WPIR controls lighting in a wide variety of applications, but is especially adept at controlling small spaces with well-defined coverage.

The WPIR Ceiling Sensor utilizes the latest PIR technology to detect the difference between the infrared energy from a person in motion and the background space within the controlled area. When occupancy is detected, this 24 VDC sensor turns lighting or HVAC systems on through a Wattstopper power pack controlled through low voltage wiring. When occupants leave the area, lighting is switched off after the user-adjustable time delay has elapsed. **Check out Wattstopper DLM products [here](#).**

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# WSD – Wall PIR Occ Sensor Switch



- Auto-On
- PIR Coverage (Passive Infrared)
- Small Motion Detection up to 20 ft, Large Motion Detection up to 36 Ft
- Push-Button Programmable w/o Removing the Switch Plate
- Adjustable Time Delay
- Compatible w/ Electronic & Magnetic Ballasts, CFLs, LEDs, & Incandescents
- Self-Grounding Mounting Strap
- Interchangeable Hot & Load Wires
- No Neutral Required
- No Minimum Load Requirements

Applications: Restrooms, Small Offices, Small Spaces, Closets

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**WSD      SENSOR      –      WALL      PIR**

# OCCUPANCY SENSOR SWITCH



The WSD Sensor is a stylish, easy to install, and simple to use Wall Switch Decorator Style Passive Infrared (PIR) sensor. It is ideal for private offices, copy rooms, closets, or any small enclosed space without obstructions. A user programmable time delay ensures that once the room is vacated the sensor will time out and turn off the lights. Additionally, the WSD sensor has several On Modes and Switch Modes that can be programmed using the front push-button. For rooms with obstructions, the Dual Technology WSD PDT Series sensor is recommended. Additionally, all WSD Family sensors have a patent-pending wiring method that enables them to function either with or without a neutral connection. WSD units come pre-configured for wiring without a neutral; however, if connection to neutral is required by code, contractors can convert the unit in seconds. [Click Here for programming details](#)

- Auto or Manual On
- PIR Coverage (Passive Infrared)
- Small Motion Detection up to 20 ft, Large Motion Detection up to 36 Ft
- Push-Button Programmable w/o Removing the Switch Plate
- Adjustable Time Delay
- Compatible w/ Electronic & Magnetic Ballasts, CFLs, LEDs, & Incandescents
- Self-Grounding Mounting Strap
- Interchangeable Hot & Load Wires
- No Neutral Required

- No Minimum Load Requirements

Applications: Restrooms, Small Offices, Small Spaces, Closets

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## **WSD VA – Wall PIR Occ Sensor Switch (Vacancy – Manual On)**



- Manual On
- PIR Coverage (Passive Infrared)
- Small Motion Detection up to 20 ft, Large Motion Detection up to 36 Ft
- Push-Button Programmable w/o Removing the Switch Plate
- Adjustable Time Delay
- Compatible w/ Electronic & Magnetic Ballasts, CFLs, LEDs, & Incandescents
- Self-Grounding Mounting Strap
- Interchangeable Hot & Load Wires
- No Neutral Required
- No Minimum Load Requirements

Applications: Restrooms, Small Offices, Small Spaces, Closets

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# WSX – Wall Occupancy PIR Sensor Switch



- Auto- On Wall Occupancy Sensor PIR with Soft Push Button
- Small Motion Detection up to 20 Ft, Large Motion Detection up to 36 Ft
- Push-button programmable without removing cover plate – adjustable time delays & operating modes
- Auto-on (default) or Vacancy/ (Nightlight is Manual On)
- Single Relay Push Button
- Compatible w/LEDs, electronic & magnetic ballasts, CFLs, & incandescents
- Pre-configured for wiring without a neutral but is field configurable for code with neutral
- Integrated Photocell (disabled by default) prevents light from turning on if sufficient daylight is present – not available in Nightlight versions
- Applications: Small Offices, Small Rest Rooms, Closets, Small Enclosed Spaces

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## WSX 2P – Wall Occupancy PIR

# Dual Relay Sensor Switch



- Auto- On Wall Occupancy Sensor PIR with Soft Push Button
- Small Motion Detection up to 20 Ft, Large Motion Detection up to 36 Ft
- Push-button programmable without removing cover plate – adjustable time delays & operating modes
- Dual Relay Push Button
- Pole 1 Auto-On / Pole 2 Vacancy
- Compatible w/LEDs, electronic & magnetic ballasts, CFLs, & incandescents
- Pre-configured for wiring without a neutral but is field configurable for code with neutral
- Integrated Photocell (disabled by default) prevents light from turning on if sufficient daylight is present – not available in Nightlight versions
- Applications: Small Offices, Small Rest Rooms, Closets, Small Enclosed Spaces