

TYPICAL APPLICATIONS

- Inboard/Outboard Switching
- Multiple Load Control
- Control Lights and Fan
- Private Offices
- Individual Bathrooms (no stalls)
- Storage rooms

FEATURES

- PIR Occupancy Detection
- 2 Self Contained Relays, no Power Packs needed
- Interchangeable hot & load wires
- Small Motion Detection up to 20 ft.
- Intrinsically Grounded
- No Minimum Load Requirements
- Time Delay: 30 sec. to 20 minutes (each pole set independently)
- Replaces 2 Switches at once
- Green LED Activity Indicator

AVAILABLE OPTIONS

- Vandal-Resistant (-V)
- Photocell Daylight Override (-P)
- Low Temp/Hi Humidity (-LT)

SPECIFICATIONS

- Size: 4.2" H x 1.8" W x 1.5" D (10.67cm x 4.57cm x 3.81cm)
- Sensor Weight: 5 Ounces
- Colors: Ivory, White, Gray, Almond
- Mounting Height: 30 to 48 inches
- Relative Humidity: 20 to 90% non-condensing
- Operating Temp: 14° to 85° F (-10° to 29° C)
- Storage Temp: -14° to 160° F (-26° to 71° C)
- Load Rating (per pole, 1 phase only):
120 VAC @ 800 W
277 VAC @ 1200 W
347 VAC @ 1500 W
- 1/4 HP Motor Load each pole
- Frequency: 50/60 Hz (Timers are 1.2 x for 50 Hz)
- UL, CUL, CSA, & CA Title 24 Listed
- 5 Year Warranty
- Made In USA
- **LOW TEMP/HI HUMIDITY (-LT)**
- Conformally coated Circuit Board is corrosion resistant from moisture
- Operates down to -40° F (-40° C)

WSD-2P (2 Pole) Series Programmable Edition!



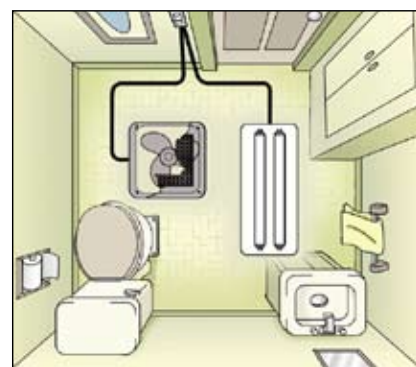
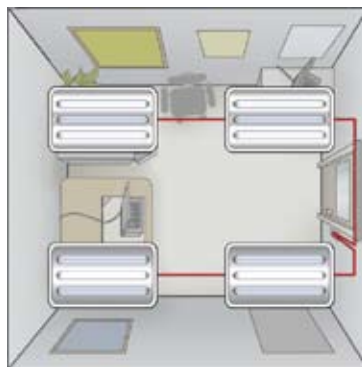
The *WSD-2P Series* is a Wall Switch Decorator style Passive Infrared (PIR) sensor designed to control inboard/outboard switching. Utilizing two isolated power relays, the *WSD-2P* provides: All On, Load A On only, Load B On only, or All Off control of two loads. Although perfect for rooms with lighting wired for A-B switching, the *WSD-2P* also can be used to control multiple load types and voltages (for example a restroom light and fan). Additionally, the *WSD-2P Series* sensors have several On Modes and Switch Modes that can be programmed using the front push-button.

SENSOR OPERATIONS

The sensor detects changes in the infrared energy given off by occupants as they move within the field-of-view. When occupancy is detected, two separate self-contained relays switch the loads "On". The sensor is line powered and can switch line voltage (see specifications). An internal timer, factory set at 10 minutes, keeps the lights "On" during brief periods of no activity. This timer is push-button programmable from 30 seconds to 20 minutes, and is reset every time occupancy is re-detected. This state-of-the-art design requires no manual sensitivity adjustments.

TWO POLES, TWO LEVELS OF CONTROL

Each of the *WSD-2P's* poles may be programmed separately. For example, the 1st pole can be set to automatically turn on upon occupancy (Auto On), while the 2nd pole is set to be manually turned on via the push button (Manual On). Another option is to set the 1st pole (for a load such as lights) at a 10 minute delay, and the 2nd pole (for a load such as an exhaust fan) at a 20 minute delay. Photocell control can also be set at different levels per pole.



PHOTOCELL/BI-LEVEL DAYLIGHT OVERRIDE OPTION (WSD-2P-P)

The *WSD-2P* sensor offers a Photocell Daylight Override option for both poles separately. Ideal for Automatic Bi-Level Lighting Control in public places with windows like vestibules, corridors, or bathrooms; this option inhibits the lights from turning on if there is sufficient daylight available. Once the sensor turns on each pole respectively, the photocell function is disabled until the sensor's occupancy timer expires and turns the lights off. For more information on daylighting control, see the CM-PC-ADC technical datasheet.

Model Numbering System: WSD-2P-[LENS]-[PHOTOCELL]-[VOLTAGE]-[COLOR*]-[TEMP/HUMIDITY]

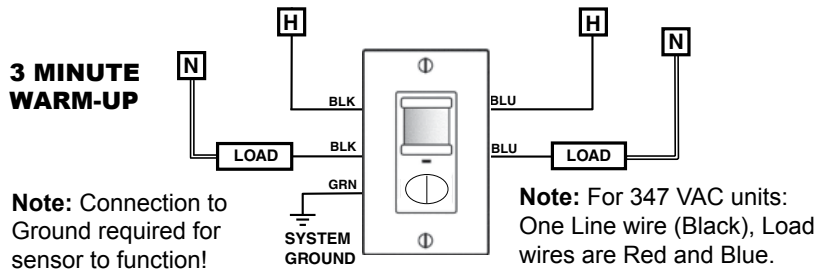
SERIES #	LENS	PHOTOCELL	VOLTAGE	COLOR	TEMP/HUMIDITY
WSD-2P	Blank = Standard -V = Vandal Resistant	Blank = No Photocell -P = w/Photocell	Blank = 120-277 VAC -3 = 347 VAC**	-I = Ivory -W = White -G = Gray -A = Almond	Blank = 14° to 85° F -LT = -40° to 85° F

**347 VAC: Plate not provided

*Must specify color

T064-003-P

TYPICAL WIRING DIAGRAM (DO NOT WIRE HOT)



OPERATIONAL MODES (EACH POLE INDEPENDENTLY PROGRAMMABLE)

On Modes (*Default)

Automatic On* - The sensor automatically turns the lights on when the sensor detects occupancy.

Manual On (Semi-Automatic) - The occupant must push the sensor's button to turn the lights on.

Reduced Turn-On - The sensor is set to initially only detect large motions, effectively ignoring any reflected PIR signals while still sensing occupants when they enter the room. Once on, the sensor returns to maximum sensitivity.

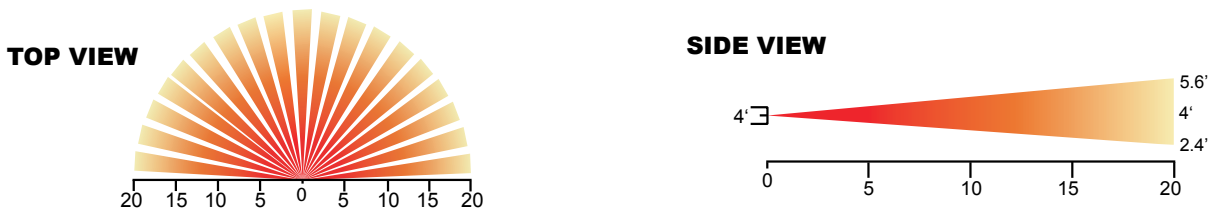
Switch Modes (*Default)

Predictive Off* - Pressing the switch overrides the lights off and temporarily disables the occupancy detection. After an exit time delay (default 10 seconds) the occupancy detection reactivates and monitors for an additional grace period time (default 5 seconds). If no occupancy is detected during this period, the sensor will revert to Automatic On operation. If occupancy is detected, the sensor will remain in permanent off mode requiring the switch to be pressed again in order to restore the sensor to Automatic On.

Permanent Off - Pressing the push-button switch will turn the lights off. The lights will remain off regardless of occupancy until the switch is pressed again, restoring the sensor to Automatic On Mode.

Switch Disable - Prevents user from manually turning off the lights via the push-button.

FIELD OF VIEW



STANDARD vs. VANDAL RESISTANT LENS

The Standard lens provides maximum PIR detection sensing small movements up to 20 feet, and large motions up to 50 feet. This lens should be used in typical offices or rooms where occupants work for extended periods of time. The Vandal Resistant lens should be used in high abuse or public areas (copy rooms, small public restrooms, storage closets), where occupants simply come and go and make larger types of motions. A sensor with a Vandal Resistant lens will have its PIR detection range reduced by 50%.

WARNING

Fire Hazard Caution: Maximum Lamps 1500 Watts, Type 347 VAC.

Attention: Risque d'incendie : Puissance Maximales Des Lampes 1500 Watts, Type 347 VAC.

Warning: The units are intended to be installed by a qualified person with properly rated branch circuit protectors as per applicable local and national regulations (CEC, NEC).

WARRANTY: Sensor Switch, Inc. warrants these products to be free of defects in manufacture and workmanship for a period of sixty months. Sensor Switch, Inc., upon prompt notice of such defect will, at its option, provide a Returned Material Authorization number and repair or replace returned product.

LIMITATIONS AND EXCLUSIONS: This Warranty is in full lieu of all other representation and expressed and implied warranties (including the implied warranties of merchantability and fitness for use) and under no circumstances shall Sensor Switch, Inc. be liable for any incidental or consequential property damages or losses.

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