



## PlugTail™ Dual Technology Wall Switch Occupancy Sensor

The DSW-301 dual technology wall switch sensor turns lights OFF and ON based on occupancy. It combines the benefits of passive infrared (PIR) and ultrasonic detection technologies. The DSW-301 replaces existing wall switches and fits behind a standard decorator wall plate. This device utilizes PlugTail technology to save time at point of installation.

### Features & Benefits



- **PlugTail** Devices install up to 5 times faster than traditional.
- **Zero-crossing** for long relay life
- **Vandal resistant lens** combines precise coverage with durability
- **Selectable walk-through mode** turns lights off three minutes after initial occupancy if no motion is detected after the first 30 seconds
- **Test mode** allows quick and easy adjustments
- **Selectable audible alert** for impending shutoff
- **In automatic mode**, sensor returns automatically to Auto-ON after lights are turned off manually; ideal for presentations
- **Four occupancy logic options** to customize control to meet application needs
- **Adjustable time delay** from 5 min - 30 min

### Vertical Markets

- |               |              |                |             |
|---------------|--------------|----------------|-------------|
| ▪ Commercial  | ▪ Retail     | ▪ Construction | ▪ Financial |
| ▪ Hospitality | ▪ Healthcare | ▪ Education    | ▪ Facility  |

### Compliance



cULus Listed Wiring Assembly: File E101196. NEMA WD6 compliant with mounting means.

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## Technical Information

### Performance

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#### Electrical

Dielectric Withstand Voltage	Withstands 1500V minimum
Frequency	60 Hz
Maximum Working Voltage	120/277VAC
Voltage Range	108-132/250-305VAC

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#### Mechanical

Terminal Identification	Terminals identified in accordance with UL498 (Hot, White, Green)
Terminal Accommodation	To be used with PTS6STR3
Product Identification	Ratings are permanent part of device

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#### Material Specs

Face	ABS
Body	ABS
Contacts	.03" Copper Alloy
Mounting Strap	Plated Steel
Terminal Screws	Plated Steel #8 - 32
Hex Head Grounding Screw	Plated Steel (Green)
Mounting Screws	Plated Steel
Fresnel Lens	Poly IR

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## Warranty

5 Year

## Ordering Information

### SteriGuard Bulk Cord Sets

P&S Part #	Description	Ratings	Load Limits	Colors
PTDSW301*	PlugTail Dual-Tech Wall Switch Sensor	120 VAC	1000-W tungsten, ballast, E-ballast, LED, 1/4 HP	I, W, LA, BK, GRY, RED
		277 VAC	1200-W ballast, E-ballast, LED, 1/4 HP	

### \*Color Designation

**I** Ivory      **W** White      **LA** Light Almond      **BK** Black      **GRY** Gray      **RED** Red

## Coverage Patterns

Coverage testing has been performed according to the NEMA WD 7 guideline. For best performance, use in spaces not larger than 18' x 15'.

### PIR Sensor

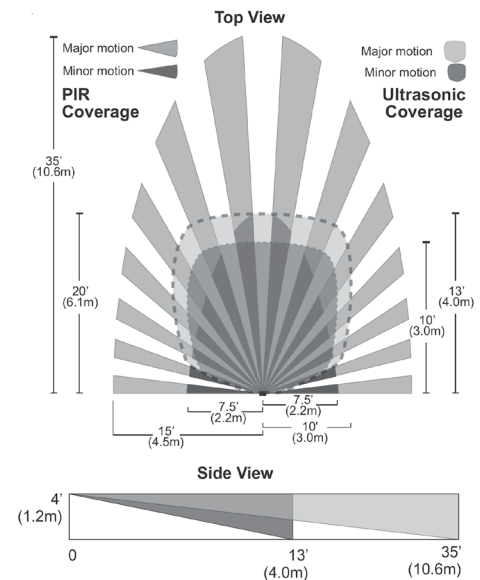
The sensor has a two-tiered, multi-cell viewing Fresnel lens with 180 degree field of view. The red LED on the sensor flashes when the PIR detects motion.

### Masking the Lens

Opaque adhesive tape is supplied so that sections of the PIR sensor's view can be masked. This allows you to eliminate coverage in unwanted areas. Since masking removes bands of coverage, remember to take this into account when troubleshooting coverage problems.

### Ultrasonic Sensor

The sensor has two ultrasonic transceivers operating at 40 kHz. Detection sensitivity can be adjusted using the trimpot under the ON/OFF buttons.



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