



Wattstopper  
Dual Tech Wall Switch Occupancy Sensor, 120/277V, Red  
Part No. DSW-301-R



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.

## Features & Benefits

Collection consolidated of in 347 V to white option

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

The DSW-301 sensors can be wired together for convenient control of a common load only with other DSW-301 sensors

## Specifications

### General Info

Product Line	Wattstopper	Color	Red
Finish	Glossy	UPC Number	754182935437
Country Of Origin	China	Product Series	DSW-301
Features	Adjustable Time Delay, Indicator Lights, Light Level Sensor, Sensitivity Adjustment, Test Mode, Walkthrough Mode	Switch Type	Motion Sensor, Push
Installation Location	Wall	Included	Mounting Screws

Application Sector	Commercial	Standard	UL, cUL, FCC part 15, Complies with 2017 NEC requirements, RoHS
Warranty Type	5-Year	Type	Sensor, Switch
Dimensions			
Product Width US	1.8 in	Product Weight US	0.3 lb
Product Volume US	35.1 cu in	Product Depth US	1.8 in
Product Height US	4.1 in		
Additional Information			
RoHS Compliant	Yes		
Technical Information			
Operating Temperature Min	32 °F	Timer Type	DIP Switch
Load Rating	1000 W @ 120 VAC, 1200 W @ 240/277 VAC	Ultrasonic Frequency	40 kHz
Has Battery	No	Horsepower Rating	1/4 HP @ 120 VAC
Sensor Coverage Pattern	180 deg	Sensor Type	Occupancy
Operating Temperature Max	131 °F	Sensor Mounting Height	4 ft
Number of Buttons	1	Number of Rockers	0
Sensor Technology	Dual Technology, Passive Infrared (PIR), Ultrasonic	Timer Duration	5 Minutes, 15 Minutes, 30 Minutes
Number of Poles	Multi-Location	Indicator	PIR Detection LED, Selectable audible alert for impending shutoff, Ultrasonic Detection LED

Input Voltage	120/277 VAC	Requires Neutral Wire	No
Line Frequency	50 Hz, 60 Hz	Indoor/Outdoor	Indoor
Sensor Coverage	1050 sq ft	Mounting Type	In-Wall
On Function	Selectable Auto/Manual	Operating Temperature	0°-55°C, 32°-131°F
Operating Humidity	5-95% RH (Non-Condensing)	Sensing Range	Major motion: PIR 35 x 30 ft, Ultrasonic 20 x 20 ft, Minor motion: PIR 20 x 15 ft, Ultrasonic 15 x 15 ft
Wire Connection Type	Flying Leads	Engraving Type	Blank
Storage Temperature	23° - 176° F, -5° - 80° C		