



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



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	Black
Finish	Gloss	UPC Number	754182935390
Country Of Origin	China	Material	ABS

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	DesignLights Consortium Qualified System	Yes
Security	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 °	Sensor Type	Occupancy

Operating Temperature Max	131 °F	Sensor Mounting Height	4 ft
Light Level Adjustment	8-180 fc	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
Sensitivity Adjustment	PIR (Min/Max), Ultrasonic (0-100%)	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
Location Rating	Dry	Wire Connection Type	Flying Leads
Engraving Type	Blank	Storage Temperature	23° - 176° F, -5° - 80° C