



Wattstopper
PIR Wall Switch Occupancy Sensor, 120/277V, Black
Part No. WS-301-B



The WS-301 Passive Infrared (PIR) Wall Switch Sensor turns lighting or fan loads on and off based on occupancy and ambient light level. The sensor replaces existing wall switches and fits behind a standard decorator wall plate.

Features & Benefits

Zero crossing circuitry reduces stress on the relay and results in increased sensor life	180° coverage, maximum of 900 ft2
Adjustable time delay and sensitivity	Custom two-tier Fresnel lens enhances detection at the desktop level
Light level sensor holds lights off when ambient lighting is above the preset level	Patented voltage drop protection
Defaults to Manual-ON operation for maximum energy savings	180° coverage, maximum of 900 sq ft
Shallow (1-inch) back housing and flying leads for easy installation	Optional neutral connection with break off tab to expose neutral terminals
Built-in light level sensor	120/240/277 VAC and 347 VAC models
Button provides positive tactile feedback	Optional neutral connection with break off tab to expose neutral terminals

Specifications

General Info

Product Line	Wattstopper	Color	Black
Finish	Gloss	UPC Number	754182935338
Country Of Origin	China	Material	ABS
Product Series	WS-301	Features	Adjustable Time Delay, Indicator Lights, Light Level Sensor, Sensitivity Adjustment

Switch Type	Motion Sensor	Installation Location	Wall
Included	Mounting Screws, Sensor Mask	Application Sector	Commercial
Standard	UL, cUL, Complies with 2017 NEC requirements	Warranty Type	5-Year
Type	Sensor, Switch		

Dimensions

Product Width US	1.75 in	Product Weight US	0.2 lb
Product Volume US	35.1 cu in	Product Depth US	1.7 in
Product Height US	4.1 in		

Additional Information

RoHS Compliant	Yes		
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Technical Information

Operating Temperature Min	32 °F	Timer Type	Trimpot
Load Rating	1000 W @ 120 VAC, 1200 W @ 240/277 VAC	Has Battery	No
Sensor Coverage Pattern	180 °	Sensor Type	Occupancy
Operating Temperature Max	104 °F	Sensor Mounting Height	4 ft
Light Level Adjustment	0-200 fc	Number of Buttons	1
Number of Rockers	0	Sensor Technology	Passive Infrared (PIR)
Timer Duration	30 Seconds, 5-30 Minutes	Number of Poles	Single Pole
Indicator	PIR Detection LED	Input Voltage	120 V, 240/277 VAC
Requires Neutral Wire	No	Line Frequency	50 Hz, 60 Hz
Indoor/Outdoor	Indoor	Sensitivity Adjustment	PIR (Min/Max)
Mounting Type	In-Wall	On Function	Selectable Auto/Manual

Operating Temperature	0°-40°C, 32°-104°F	Operating Humidity	5-95% RH (Non-Condensing)
Sensing Range	Major motion 35 x 30 ft,Minor motion 20 x 15 ft	Location Rating	Dry
Wire Connection Type	Flying Leads	Engraving Type	Blank
Storage Temperature	70° F		