



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



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 ft ²
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	Red
Finish	Glossy	UPC Number	754182935376
Country Of Origin	China	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	1.8 in	Product Weight US	0.3 lb
Product Volume US	20.3 cu in	Product Depth US	1.8 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 deg	Sensor Type	Occupancy
Operating Temperature Max	104 °F	Sensor Mounting Height	4 ft
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
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	Wire Connection Type	Flying Leads
Engraving Type	Blank	Storage Temperature	70° F
