



**Wattstopper**  
**PIR Wall Switch Occupancy Sensor, 120/277V, Grey**  
Part No. WS-301-G



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          | Gray          |
| Finish            | Glossy  | UPC Number     | 754182935345  |
| 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,<br>Sensor Mask                    |
| Application Sector        | Commercial                             | Standard               | UL, cUL, Complies<br>with 2017 NEC<br>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                                    |                        |  |
| 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<br>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<br>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                     |