



**Wattstopper**  
**Dual Tech Wall Switch Occupancy Sensor, 120/277V, Black**  
Part No. DSW-302-B



The DSW-302 dual technology wall switch sensor turns lights ON and OFF based on occupancy and contains two relays for controlling two independent lighting loads or circuits. It combines the benefits of passive infrared (PIR) and ultrasonic detection technologies for high sensitivity to small and large movements. The DSW-302 replaces existing wall switches and fits a standard decorator wall plate.

## Features & Benefits

|                                                                   |                                                                 |
|-------------------------------------------------------------------|-----------------------------------------------------------------|
| Collection consolidated of in 347 V to white option               | High sensitivity and dense coverage for exceptional performance |
| Two relays for control of two separate lighting loads or circuits | Color-matched lens and low profile for appealing design         |
| 120/240/277 VAC and 347 VAC models                                | Defaults to Manual-ON operation for maximum energy savings      |
| Retrieving data. Wait a few seconds and try to cut or copy again. |                                                                 |

## Specifications

### General Info

|                   |             |            |                                                                                                                              |
|-------------------|-------------|------------|------------------------------------------------------------------------------------------------------------------------------|
| Product Line      | Wattstopper | Color      | Black                                                                                                                        |
| Finish            | Gloss       | UPC Number | 754182935451                                                                                                                 |
| Country Of Origin | China       | Material   | ABS                                                                                                                          |
| Product Series    | DSW-302     | Features   | Adjustable Time Delay, Dual Relay, 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                                                             | 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                                                              | 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         | 2                                                               | 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                                                                                                   |
| 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                                                                                |