



**Wattstopper**  
**Dual Tech Wall Switch Occupancy Sensor, 24V, Ivory**  
Part No. DW-100-24-I



The DW-100-24 dual technology low voltage wall switch sensor combines the benefits of passive infrared (PIR) and ultrasonic technologies to turn lights OFF and ON based on occupancy. It is characterized by high sensitivity to small and large movements, appealing aesthetics, and a variety of features.

## Features & Benefits

|                                                                                               |                                                                                                                                                      |
|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Detection Signature Processing eliminates false triggers and provides immunity to RFI and EMI | Vandal resistant lens combines precise coverage with durability                                                                                      |
| Choice of Manual-ON or Auto-ON operation                                                      | Selectable walk-through mode turns lights off three minutes after the room is initially occupied if no motion is detected after the first 30 seconds |
| Test mode allows quick and easy adjustments                                                   | Selectable audible alert for impending shutoff                                                                                                       |
| Includes isolated relay outputs                                                               |                                                                                                                                                      |

## Specifications

### General Info

|                   |                     |                       |                                                                                                                          |
|-------------------|---------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------|
| Product Line      | Wattstopper         | Color                 | Ivory                                                                                                                    |
| Finish            | Gloss               | UPC Number            | 754182918980                                                                                                             |
| Country Of Origin | China               | Material              | ABS                                                                                                                      |
| Product Series    | DW-100-24           | Features              | Adjustable Time Delay, Indicator Lights, Isolated Relay, Light Level Sensor, Power Pack Required, Sensitivity Adjustment |
| Switch Type       | Motion Sensor, Push | Installation Location | Wall                                                                                                                     |
| Included          | Sensor Mask         | Application Sector    | Commercial                                                                                                               |

|                           |                                             |                        |                                                     |
|---------------------------|---------------------------------------------|------------------------|-----------------------------------------------------|
| Standard                  | UL, cUL                                     | Warranty Type          | 5-Year                                              |
| Type                      | Sensor, Switch                              |                        |                                                     |
| Dimensions                |                                             |                        |                                                     |
| Product Width US          | 1.8 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                                         | Security               | Yes                                                 |
| Technical Information     |                                             |                        |                                                     |
| Operating Temperature Min | 32 °F                                       | Timer Type             | DIP Switch                                          |
| Load Rating               | 1 A @ 30 VDC                                | Compatibility          | BZ Power Packs                                      |
| 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      | 1                                                   |
| Number of Rockers         | 0                                           | Sensor Technology      | Dual Technology, Passive Infrared (PIR), Ultrasonic |
| Timer Duration            | 5 Minutes, 15 Minutes, 30 Minutes           | Number of Poles        | Single Pole                                         |
| Indicator                 | PIR Detection LED, Ultrasonic Detection LED | Input Voltage          | 18 to 24 VDC, 24 V                                  |
| Indoor/Outdoor            | Indoor                                      | Sensitivity Adjustment | PIR (Min/Max), Ultrasonic (0-100%)                  |
| Mounting Type             | In-Wall                                     | On Function            | Selectable Auto/Manual                              |
| Current Draw              | 35 mA                                       | 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                                                                                |