



**Wattstopper**  
**Hi/Lo PIR Drop Nipple Mount Sensor, 120-480V, 40 ft lens, White**  
Part No. FSP-221B-D-L7-W



The FSP-2x1B sensors provide multi-level control based on motion and/or daylight contribution. They control 0-10 VDC LED drivers or dimming ballasts, as well as non-dimming ballasts and, with an FSP-Lx Lens, are rated for wet and cold locations. All control parameters are adjustable via a wireless configuration tool capable of storing and transmitting sensor profiles. The FSP-2x1B family is available in three configurations for mounting inside a fixture, to the outside of a fixture via a 1/2" knockout, or to a pole.

## Features & Benefits

|   |   |
|---|---|
| Designed for LED fixtures and rated for extreme temperatures; options for box or pole mounting      | Fully adjustable high and low dimmed light levels   |
| Hold off setpoint with automatic calibration option for convenience and added energy savings        | Adjustable via handheld wireless configuration tool |
| IP66 rated with choice of lenses for wet and outdoor locations, and mounting heights from 8' to 40' | Adjustable time delay and cutoff delay              |

## Specifications

### General Info

|                   |  |                       |              |
|-------------------|--|-----------------------|--------------|
| Product Line      | Wattstopper  | Color                 | White        |
| Finish            | Glossy   | UPC Number            | 754182939510 |
| Country Of Origin | China  | Product Series        | FSP-2x1B     |
| Features          | Adjustable Time Delay, Flame Retardant, Impact Resistant, Light Level Sensor, Recyclable, Sensitivity Adjustment, UV Resistant | Installation Location | Pole         |
| Included          | Collar   | Application Sector    | Commercial   |
| Standard          | UL, cUL, CE, TUV Listed, IP66 Rated, RoHS, E101196, PEP  | Warranty Type         | 5-Year       |
| Type              | Sensor   |                       |              |

Dimensions

|                   |              |                   |          |
|-------------------|--------------|-------------------|----------|
| Product Width US  | 6.235 in     | Product Weight US | 0.632 lb |
| Product Volume US | 97.857 cu in | Product Depth US  | 3.667 in |
| Product Height US | 4.28 in      |                   |          |

Additional Information

|                |     |                               |     |
|----------------|-----|-------------------------------|-----|
| RoHS Compliant | Yes | Product Environmental Profile | Yes |
|----------------|-----|-------------------------------|-----|

Technical Information

|                           |  |                           |                                     |
|---------------------------|--|---------------------------|-------------------------------------|
| Operating Temperature Min | -40 °F   | Timer Type                | Digital                             |
| Load Rating               | 1200 W @ 277 VAC, 300 W @ 230-240 VAC, 800 W @ 120 VAC | Has Battery               | No                                  |
| Horsepower Rating         | 1/6 HP @ 120/277 VAC                                   | Sensor Coverage Pattern   | 360 deg                             |
| Sensor Type               | Daylight, Occupancy                                    | Operating Temperature Max | 167 °F                              |
| Sensor Mounting Height    | 40 ft  | Sensor Technology         | Passive Infrared (PIR), Photosensor |
| Timer Duration            | 30 Seconds, 5-30 Minutes                               | Indicator                 | PIR Detection LED                   |
| Input Voltage             | 100 to 347 VAC, 208/230/480 VAC                        | Line Frequency            | 50 Hz, 60 Hz                        |
| Indoor/Outdoor            | Both   | Mounting Type             | Drop Nipple, Fixture Embedded       |
| On Function               | Auto On  | Operating Temperature     | -40°-167°F, -40°-75°C               |
| Operating Humidity        | 5-95% RH (Non-Condensing)                              | Sensing Range             | 100 ft diameter                     |
| Wire Connection Type      | Flying Leads   | Storage Temperature       | -40° - 176° F, -40° - 80° C         |