HUBBELL® Control Solutions



Reliable and Rugged Motion Sensing for Indoor/Outdoor Applications

DIMMING WASP

The Dimming WASP Occupancy Sensor (WSPD) is the perfect solution for complete, code compliant control of dimmable indoor and outdoor lighting fixtures. The sensor uses Passive Infrared (PIR) motion sensing technology, 0-10V dimming control and an integral light sensor to adjust the light level of each fixture when there is sufficient natural daylight.

Features

- Supports interchangeable twist-on lenses (sold separately)
 - Multiple coverage patterns: 360°, 180°, aisle, half-aisle
 - High mount lens: 30 ft (9.14m) outdoors; 45 ft (13.72m) indoors
 - Low mount lens: 16 ft (4.88m) indoors/outdoors
- Water ingress protection to IP65 / wet location use
- Low-temperature versions that support operation down to -40°C/F
- Multiple fixture mounting versions: surface-mount and end-mount (½ trade-size knockout)
- Universal line voltage (120-480V) and low voltage models available
- · Easy to use DIP switches for programming sensor settings
- UL STD 508, UL STD 244A
- 5 year warranty

Applications



Parking Lots



Warehouses



Manufacturing

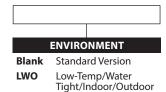


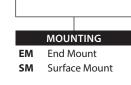


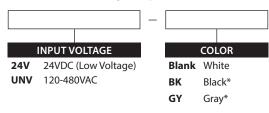
Gymnasiums

Ordering Information

WSPD MODEL 0-10V Dimming **WSPD WASP Sensor**







*Made-to-Order, call factory for lead-times

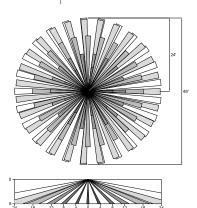
Ordering Example: WSPDLWOEMUNV-BK

For available lens options and ordering information, reference the WASP™ Occupancy Sensor Lens Specification Sheet

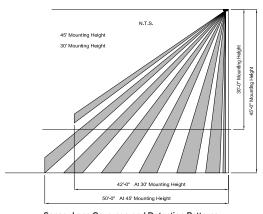
General Specifications

| Power Requirements | Line Voltage sensors: 120-480VAC, 60Hz Low Voltage sensors: 24VDC "Class 2" (uses UVPP or MP-series power pack – not included) |
|--|---|
| Load Ratings | 24VDC: 500mA 120VAC: 10A Tungsten 120-347VAC: 5A Standard Ballast 120-277VAC: 5A Electronic Ballast 347VAC: 3A Electronic Ballast 480VAC: 3A Standard Ballast |
| 0-10V Dimming | Capable of sinking up to 30mA |
| Output (Low voltage sensors) | 24VDC active high-logic control signal Relay: N/O + N/C contacts; 500mA rated @ 24VDC |
| User Interface | Twelve pin DIP switch for initial choice of functionality |
| Time Delay Before Dimming | 8-second test mode – 4, 8, 16 and 30 minute timeouts |
| Dimming Presets | Unoccupied: 70%, 60%, 50%, 20% |
| Full Off Timer Delay | Enabled: After 60 minutes in the Unoccupied low level state, sensor will turn lighting off Disabled: Sensor will maintain low level setting when there is no occupancy |
| Passive Infrared | Dual element pyrometer and spherical Fresnel lens designed for robust detection of walking person* *When used with program start ballasts, a 1-2 second delay from occupancy detection to lamp turn-on may occur |
| Daylight Sensor | Range: 1 to 50FC or 5 to 500FC End mount sensor: Downward and upward facing daylight sensor (direction selectable via DIP switch) Surface mount sensor: Downward facing daylight sensor only |
| Interchangeable Lens Options and Coverage | Lens options: (Lenses sold separately – not included with sensor module) Low Mount/High Mount Indoor/Outdoor Coverage: 360°, 180°, Aisle, Half Aisle |
| Operating environment | Indoor/outdoor use Operating temperature: - 40°F to 149°F (-40°C to 65°C) |
| Construction | Sensor Module and Lens Assembly: high-impact, injection-molded plastic |
| Dimensions | 4.0" X 1.5" H (101.6mm X 38.1mm H) |
| Weight | 7 oz. (198.45g) |
| Color | White, Black, Gray |
| Mounting | End mount sensor: ½" (12.7mm) chase nipple Optional extender adapter (available separately) Surface mount sensor: Mounts directly via (2) 1.25" (31.75mm) stainless screws and locking nuts |

Coverage Patterns



Sensor Lens Coverage and Detection Patterns When Mounted at 8ft with Low Mount Lens



Sensor Lens Coverage and Detection Patterns When Mounted at 30ft and 45ft with Standard Lens

