



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

Ordering Example: WSPDLWOEMUNV-BK

WSPD				
MODEL	ENVIRONMENT	MOUNTING	INPUT VOLTAGE	COLOR
WSPD 0-10V Dimming WASP Sensor	Blank Standard Version LWO Low-Temp/Water Tight/Indoor/Outdoor	EM End Mount SM Surface Mount	24V 24VDC (Low Voltage) UNV 120-480VAC	Blank White BK Black* GY Gray*

For available lens options and ordering information, reference the
[WASP™ Occupancy Sensor Lens Specification Sheet](#)

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

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

