

wiSCAPE™



Project Name _____

Catalog No. _____ Date _____

The WASP2 Indoor/Outdoor Occupancy Sensor is specifically designed for ON/OFF control of fixtures in high mount and low mount lighting applications including warehouses, distribution centers, gymnasiums, parking lots and parking garages. The sensor is available in end mount and surface mount versions.

The WASP2 Sensor uses a variety of interchangeable lenses (sold separately) that are available in multiple height and coverage options including High Mount, Low Mount, 360° Coverage, 180° Coverage, Aisle and Half Aisle Patterns.

Product Features

- Digital Passive Infrared (PIR) sensor
- Supported maximum mounting heights:
 - High mount lens: 30 ft (9.14m) outdoors; 45 ft indoors (13.72m)
 - Low mount lens: 16 ft indoors/outdoors (4.88m)
- End-mount and surface-mount versions
- Withstands low temperature and conforms to IP65 water-tight standards
- UL and cUL listed
- Five-year limited warranty

Compliance and Certification



Dimensional Data

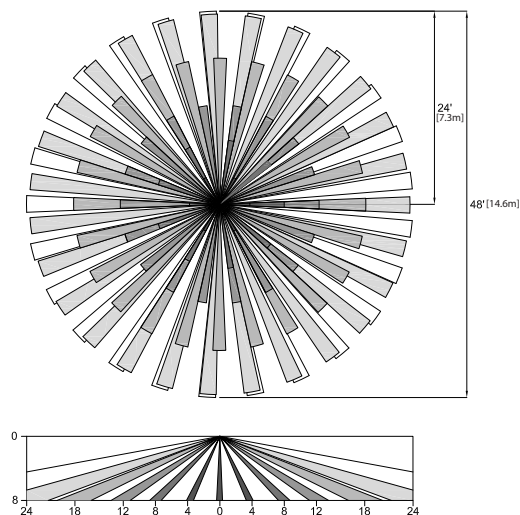


Ordering Information

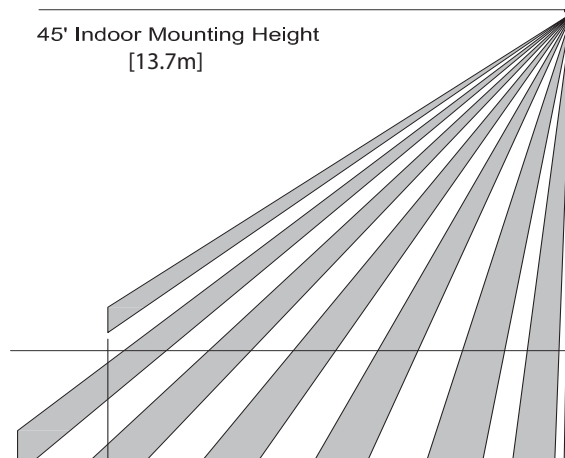
WSP	LWO		24V	
SENSOR MODEL	LOW-TEMP/ WATER TIGHT	MOUNTING	INPUT VOLTAGE	COLOR
WSP	LWO Low-Temp/Water Tight/ Indoor/Outdoor	EM End Mount SM Surface Mount	24V 24VDC (Low Voltage)	Blank White BK Black GY Gray

For appropriate lens options please reference WASP™2 Occupancy Sensor Lens Specification Sheet.

Coverage Pattern

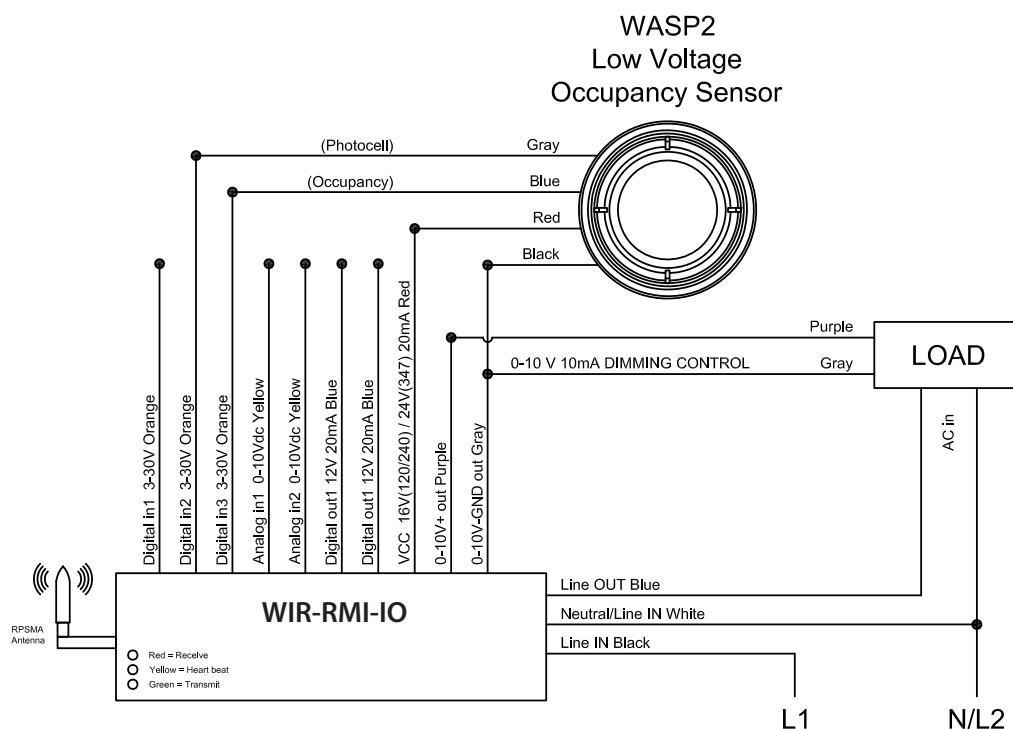


Sensor Lens Coverage and Detection Patterns
When Mounted at 8ft [2.4m] with Low Mount Lens



Sensor Lens Coverage and
Detection Patterns When Mounted at 30ft [9.1m]

Wiring Diagram



General Specifications

Power Requirements	Low Voltage sensors: 24VDC
User Interface	(1) Twelve pin dip switch
Timer Timeouts	Primary: 8-second test mode - 4, 8, 16 and 30 minute timeouts Secondary: Can be disabled (switches off with primary timer) - 30, 60 and 90 minute timeouts
Passive Infrared	Dual element pyrometer and spherical Fresnel lens designed for robust detection of a walking person.* *When used with program start ballast, a 1-2 second delay from occupancy detection to lamp turn-on may be experienced.
Daylight Sensor	Range: 30 – 2500FC End mount sensor: Downward and upward looking daylight sensors (Direction selectable via dip switch) Surface mount sensor: Downward looking daylight sensor only
Interchangeable Lens Options	Lens options: (Lenses sold separately – not included with sensor module) Low Mount/High Mount Indoor/Outdoor Coverage: 360°, 180°, Aisle, Half Aisle
Operating environment	Relative humidity (non-condensing): 0% to 95% Low-temperature/Water-tight/Indoor-Outdoor version: Operating temperature: -40° to 149°F (-40° to 65°C)
Construction	Sensor Module and Lens Assembly – high impact, injection-molded plastic
Dimensions	Ø4.0" x 1.5" H (Ø101.6mm x 38.1mm H)
Weight	7 oz (198.4g)
Color	White, Black and Gray
Mounting	End mount sensor: Mounts directly to end of fixture through extended ½" (12.7mm) chase nipple. For deeper body fixtures, an optional Extender Adapter (available separately) positions the sensor flush or below the bottom of the reflector for a full field-of-view. Surface mount sensor: Mounts directly to fixture or j-box via (2) 1.25" [31.8mm] stainless steel screws and locking nuts.
Certifications	Conforms to UL STD 508, UL STD 244A Conforms to IP65 (Low-temperature/Water-tight version)
Warranty	Five-year limited

For appropriate lens options please reference WASP™2 Occupancy Sensor Lens Specification Sheet.