| DATE: | LOCATION: |
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| TYPE: | PROJECT: |
| CATALOG #: | |

WASPTM OCCUPANCY SENSOR

OCCUPANCY SENSORS AND CONTROLLERS

FEATURES

- Digital Passive Infrared (PIR) sensor
- Multiple (single and dual) output versions
- Unique Smart Cycling for improved lamp life
- End mount and surface mount versions
- · Interchangeable high/low area detection lens options (sold separately)
- Low voltage and line voltage models available
- Daylight sensor for daylight harvesting applications
- Low temperature/water-tight/indoor-outdoor versions





SPECIFICATIONS

CONSTRUCTION

- Sensor module and lens assembly high impact, injection-molded plastic
- 4.0" x 1.5" H (101.6mm x 38.1mm H)
- 7.0 oz. (198.45g)
- White, Black and Gray
- (1) 12-pin dip switch
- Dual element pyrometer and spherical Fresnel lens designed for robust detection of a walking person*
- Lens Options
 - Low Mount/High Mount:
 - Indoor/Outdoor
 - Coverage: 360°, 180°, Aisle, Half Aisle
 - · Lenses sold separately

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" (31.75mm) stainless steel screws and locking nuts

ELECTRICAL

- Line Voltage sensors: 120/277/347VAC, 208/240VAC, 480VAC, 60 Hz
- Low Voltage sensors: 24VDC (uses UVPP or MP-Series power pack – not included)

ELECTRICAL (CONTINUED)

- 120VAC: 0-800W ballast or 0-600W tungsten, 60Hz
- 277VAC: 0-1200W ballast
- 347VAC: 0-1500W ballast
- 208/240VAC: 0-1200W ballast
- 480VAC: 0-2400W ballast
- ¼ HP motor load @ 120VAC, 1/6HP @ 347VAC
- 24VDC active high-logic control signal
- Relay: N/O + N/C contacts; 500mA rated @ 24VDC; three wire isolated relay

OPERATION

- Coverage: 360°, 180°, Aisle, Half Aisle
- Timer Settings
 - Primary: 8-second test mode 4, 8, 16 and 30 minute timeouts
 - Secondary: can be disable (switches off with primary timer) - 30, 60 and 90 minute timeouts
- 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

OPERATING ENVIRONMENT

- Operating temperature: 32° to 149°F (0° to 65°C)
- Relative humidity (non-condensing): 0% to 95%
- Low-temperature/WaterTight/Indoor-Outdoor version: Operating temperature: -40° to 149°F (-40° to 65°C)

CERTIFICATIONS

- UL and cULus listed
- Title 24 compliant
- Conforms to UL STD 508, UL STD 244A
- This product qualifies as both (i) a "domestic construction material" per FAR §52.225-9 Buy American-Construction Materials and a "(COTS) item" per FAR §2.101 and (ii) a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 5/27/2020.
- This product qualifies as "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 5/27/2020.

WARRANTY

• 5 year warranty

*When used with program start ballast, a 1-2 second delay from occupancy detection to lamp turn-on may be experienced

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WASP[™] OCCUPANCY SENSOR

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ORDERING GUIDE

| RDERING GU | | | | | | | | Example | e: WSPSMUNV- |
|-------------------|---------------------------------------|---------------|---------------|------------|--|---------|------------------|------------|-----------------|
| ALOG # | | | | | | | | | |
| | | | | | | | | | |
| SP | | | | | | | | _ | |
| nsor | Environment | Μοι | unting | Input Vo | oltage | Colo | r | BAA/1 | ΓΑΑ* |
| SP WASP Sensor | (Blank) Standard Vers | | End Mount | 24V | 24VDC (Low Voltage) | (Blar | 1k) White | | Standard Produc |
| | LWO Low-Temp/Wa Indoor/Outdo | aterTight/ SM | Surface Mount | UNV | 120/277/347VAC 120/277/347VAC (2 Output | BK | Black | U T | BAA |
| | | | | 208 | 208/240VAC (2 Outpi | its) GY | Gray | ' | ТАА |
| | | | | 480 | 480VAC | | | | |
| I | 1 | | | 1 1 | | | | | |
| | | | | | | | *Вι | uy America | n Solutions |
| | | | | | | | BAA | 25.0 | TAA |
| | | | | | | - | FAR §52.22 | | FAR §52.225-1 |
| | | | | | | _ | | WSPEM | |
| | | | | | | _ | | WSPLWO | |
| | | | | | | _ | | WSPLWO | |
| ns Ordering Guide | 1 | | | | | _ | | WSPLWOS | |
| | | | Exa | ample: WSI | PLWO-L360-LM-WH | _ | | WSPSM | |
| ALOG # | | | | | | | | | WSPSM24V |
| cessories | | | e Lens | | GY Gray | | | | |
| | ASP End Mount ensor Offset Adapter | | | | | | | | |
| MENSIONS | | 0.1 | | | | | | | |
| 4 | 4.(101.6 | o" Gmm) | | | | | | ↑ | |

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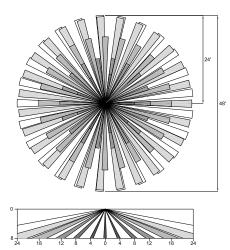
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WASP[™] OCCUPANCY SENSOR OCCUPANCY SENSORS AND CONTROLLERS

UCCUPANCY SENSORS AND CONTROLLERS

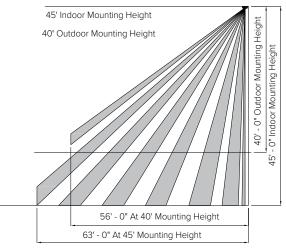
ADDITIONAL INFORMATION

Coverage Pattern

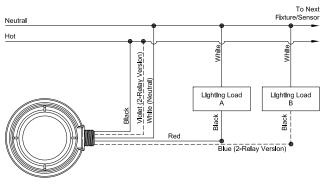


Sensor Lens Coverage and Detection Patterns When Mounted at 8 ft with Low Mount Lens

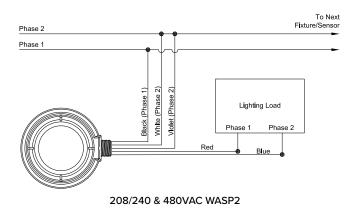
Wiring Diagrams



Sensor Lens Coverage and Detection Patterns When Mounted at 40 ft and 45 ft with High Mount Lens



120/277/347VAC WASP2





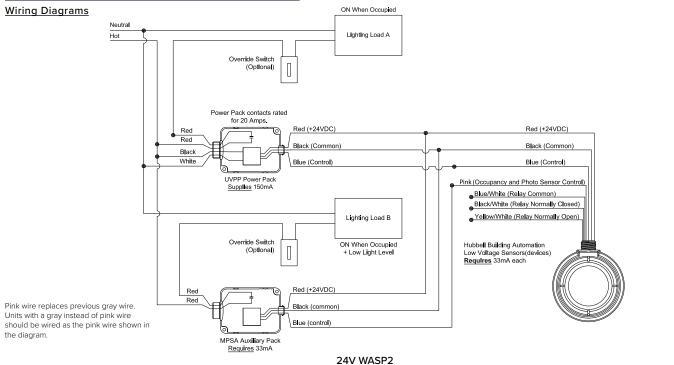
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OCCUPANCY SENSORS AND CONTROLLERS

ADDITIONAL INFORMATION CONTINUED



Accessories



The Optional WSPADAPTOR2 offset adaptor can be used to improve the field of view for fixture mounted sensors where the geometry of the fixture might otherwise interfere with the sensor's performance. The adapter snaps into a standard 1/2" (12.7mm) knockout on the end of the fixture and provides several mounting position choices for the sensor.

Default Settings

| Occupancy Sensor Timeout | 8 Minutes |
|--------------------------|-----------|
| Occupied State | ON |
| Unoccupied State | OFF |
| Daylight Sensor | Disabled |

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