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

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

45° Indoor Mounting Height [13.7m]
Sensor Lens Coverage and Detection Patterns When Mounted at 30ft [9.1m]

Wiring Diagram

WASP2
Low Voltage Occupancy Sensor

WIR-RMI-IO

Gray
Blue
Red
Black
Purple

0.10 V 10mA DIMMING CONTROL

LOAD

ACm

Line OUT Blue
Neutral Line IN White
Line IN Black
L1
N/L2
## General Specifications

<table>
<thead>
<tr>
<th>Power Requirements</th>
<th>Low Voltage sensors: 24VDC</th>
</tr>
</thead>
<tbody>
<tr>
<td>User Interface</td>
<td>(1) Twelve pin dip switch</td>
</tr>
</tbody>
</table>
| 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.*