IMS3PIR

IMS Enabled DALI-2 Occupancy Sensor

Product Description

The IMS3PIR is a compact, high performance, DALI-2 sensor that mount on ceilings. This sensor provides presence detection and lighting control. The sensor is equipped with movement detection (PIR) and light intensity (daylight) measurement capability giving it the ability to work in daylight harvesting applications.

Construction
- 3.27" x 0.83" (83mm x 21mm)
- Housing of ABS material
- Integrated mounting arms

Electrical
- Voltage Input: Powered via DALI bus (DALI-voltage according to IEC62386 (2014))
- Input Current: (Max) - 6mA
- Connection 2-wire, un-Polarized
- Motion detection LED (Red flashing)
- DALI signal communication LED (Green flashing)

Sensing
- Motion detection through PIR technology
- Recommended mounting height: 8ft (2.5m)
- Detection range: Φ 16 ft (5m)
- Detection angle: 130°
- Photocell range 0-1000lux, 10lux resolution
- Power failure memory: Device shall incorporate non-volatile memory. Settings and parameters saved in protected memory shall not be lost should power be interrupted and subsequently restored. Programming is stored in each sensor in addition to the Area Controller.
- Sensor reports the following data to the area controller: Occupancy status and Ambient light level
- LED indicators: LED indicators always provide a visual means to verify that motion is being detected during both testing and normal operation. *Sensors have remotely adjustable settings for dimming levels, occupied/unoccupied light levels, occupancy/vacancy sensing.
- Sensors may remotely adjust the light output to reduced levels and remain at that reduced level for an adjustable period before turning off when the space is unoccupied.

Environmental
- Operating Temp 32°F to 104°F (0°C to 40°C)
- Relative Humidity 0-95% non-condensing
- For indoor use only

Mounting and Installation
- Requires mounting hole of 2.75"-2.87" (70-73mm)
- Provided with spring terminal connector for connection to DALI bus.
- Terminals handle 26-16 AWG wire
- Wire strip length 0.28-0.35 in. (7-9mm)
- Do not install with power applied to device

Listings
- RoHS Compliant
- DALI Alliance certified

Warranty
- 5-year limited system warranty
- Warranty does not cover product failure due to an overvoltage event (power surge)

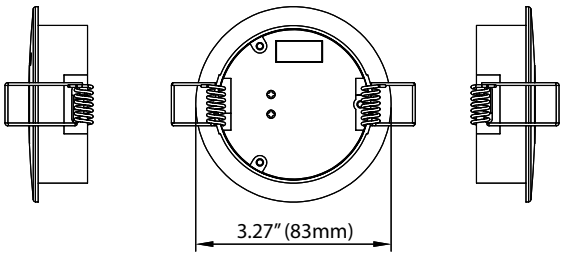
Project

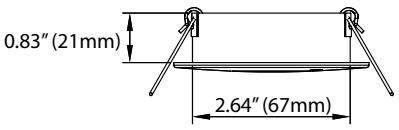
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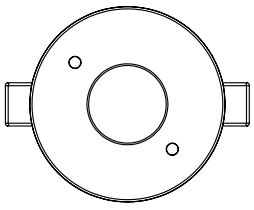
Type

Date









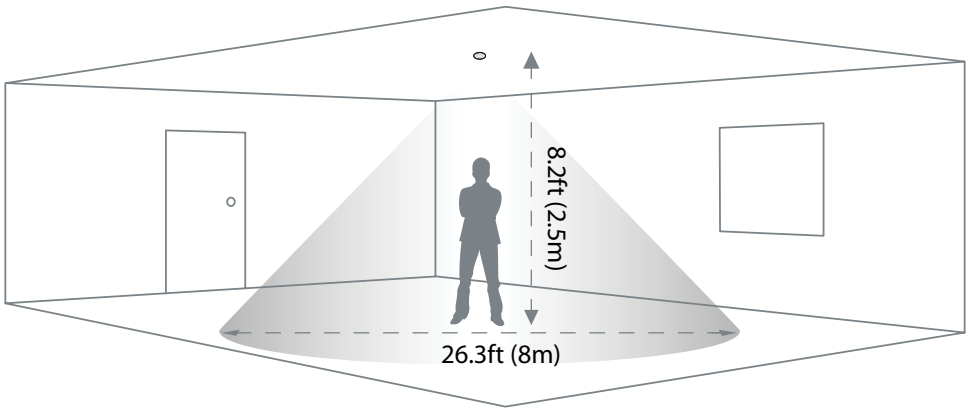
Ordering Information

Series
☐ **IMS3PIR (DALI 2 Surface mount, ceiling PIR occupany sensor)**

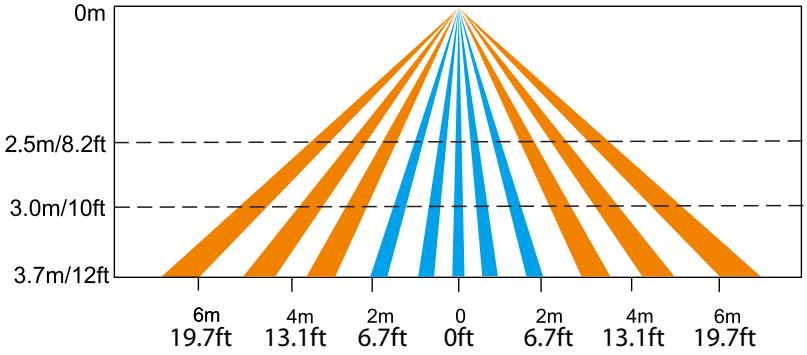
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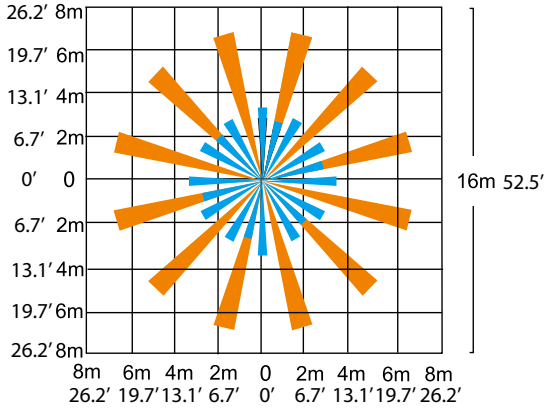
Detection Pattern



Coverage Side View



Coverage Top View



The detection area for movement sensor can be roughly divided into two parts:

Slow movement (person moving < 1.0'/s or 0.3m/s)

Quick movement (person moving > 1.3'/s or 0.4m/s)