

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

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

Sensing

- Motion detection through PIR technology
- Detection angle: 130°
- Photocell range 0-1000lux, 10lux resolution

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

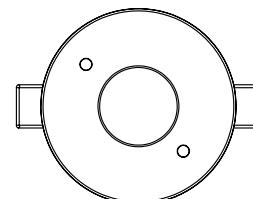
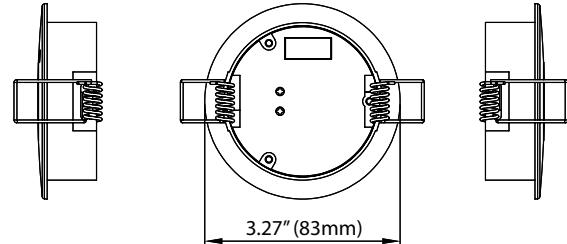
- 3-year limited system warranty
- Warranty does not cover product failure due to an overvoltage event (power surge)

Project _____

Catalog _____

Type _____

Date _____



Ordering Information

Series

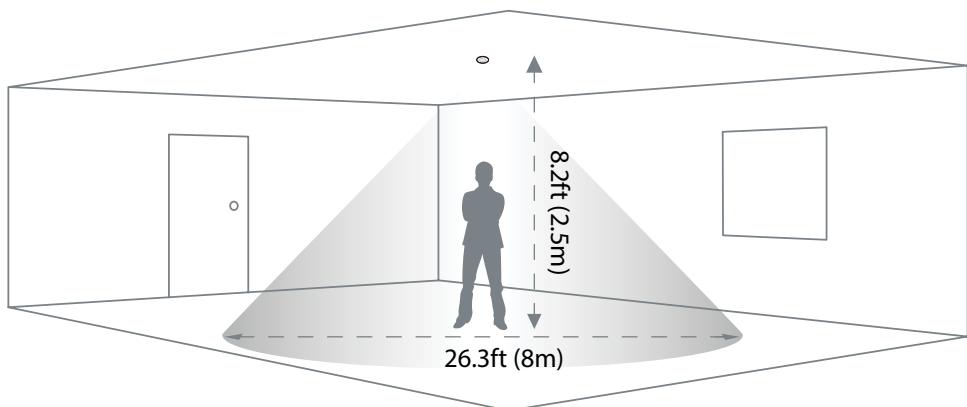
IMS3PIR (DALI 2 Surface mount, ceiling PIR occupancy sensor)



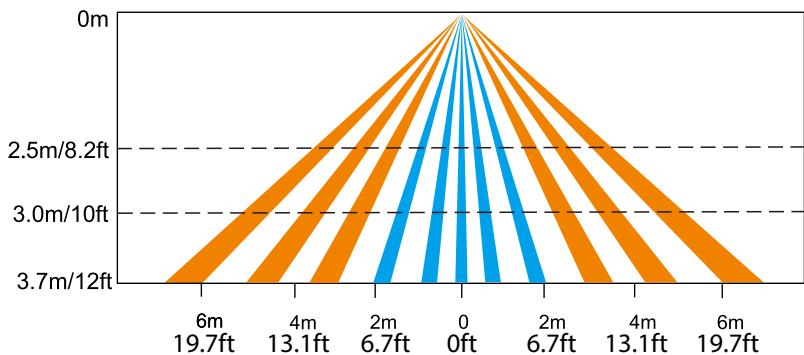
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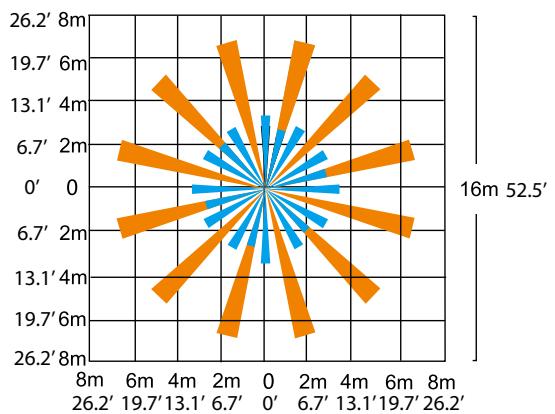
Detection Pattern



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)