IMS3PIRDT

IMS DALI-2 Enabled Multi Sensor

Project

Catalog

Type

Date

Product Description

The IMS3PIRDT occupancy sensor integrates a passive infrared presence detector and a digital microphone. This sensor also provides light intensity (daylight) measurement giving it the ability to work in daylight harvesting applications. The sensor provides a presence detection zone with a diameter of 35.4 feet at a mounting height of 9.8 feet, making it ideal for covering a typical office room or an area in an open office space. At mounting heights ranging from 16.4 to 39.3 feet, the detection area extends to 839.6 square feet. The occupancy sensor mounts with spring snaps in false ceilings.



Construction
- 2.67" X 1.81" deep
- RAL 9010, pure white

Electrical
- Voltage Input: Powered via DALI bus (DALI-voltage according to IEC62386 (2014))
- Input Current: 6 mA / 10 mA at 16 V DC

Sensing
- 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, and sensitivity to changes in motion and changes in ambient light levels.
- 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.
- 3 digital inputs (dry contact)
- Daylight Sensing: 0-4000lux, resolution 0.125 lux
- Built-in infrared receiver for optional infrared remote control
- Temperature sensor
- Humidity sensor

Environmental
- Operating Temp 32°F to 122°F (0°C to 50 °C)
- Relative Humidity 10% – 90 %, non-condensing

Installation
- Direct installation in false ceilings (spring mount included)
- Flush-mounted installation

Listings
- DALI-2 certified input device, according to IEC62386-101, IEC62386-103, IEC62386-301, IEC62386-303 and IEC62386-304
- RoHS Compliant

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

Ordering Information

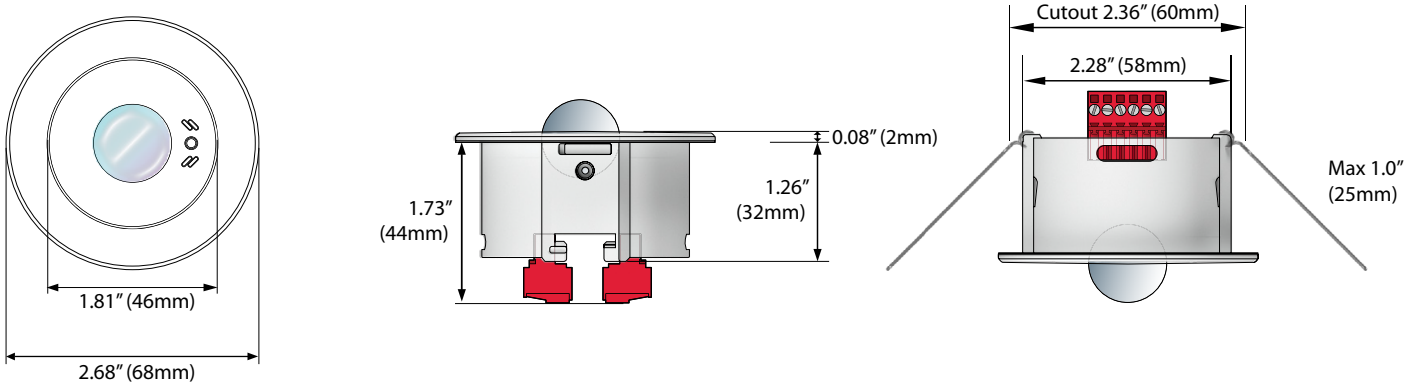
Example: IMS3PIRDT

Series
☐ **IMS3PIRDT**

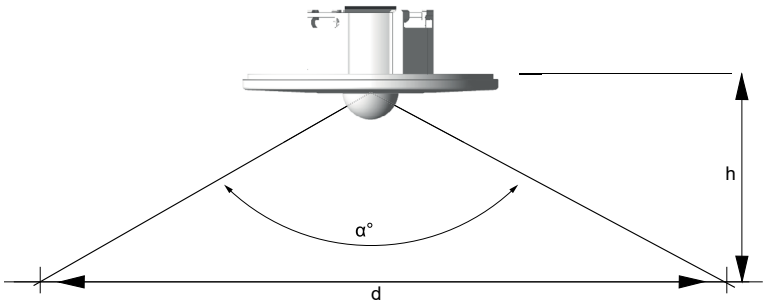
IMS3PIRDT

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Dimensions



Sensor Coverage



Mounting Height / Coverage IMS3PIRDT

H (FT)	D (FT)	A (FT)	α[°]
4.9	17	75	122
6.5	23.6	134	122
8.2	29.5	209	122
8.8	31.8	246	122
9.8	35.4	301.8	122
11.4	41.3	410.1	122
13.1	47.2	538	122
14.7	53.1	679	122
16.4	59	839.8	122
19.6	59	839.8	122
26.2	59	839.6	96.7
32.8	59	839.6	84
39.3	59	839.6	73.6