DNS360MB-CS-PIR-ZGBMNS

Multifunction Sensor

Specification Sheet

Sensors > Medium Bay



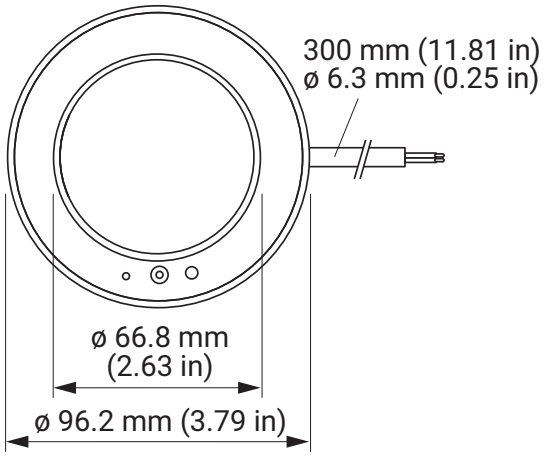
Surface-mounted 360° Zigbee ceiling sensor

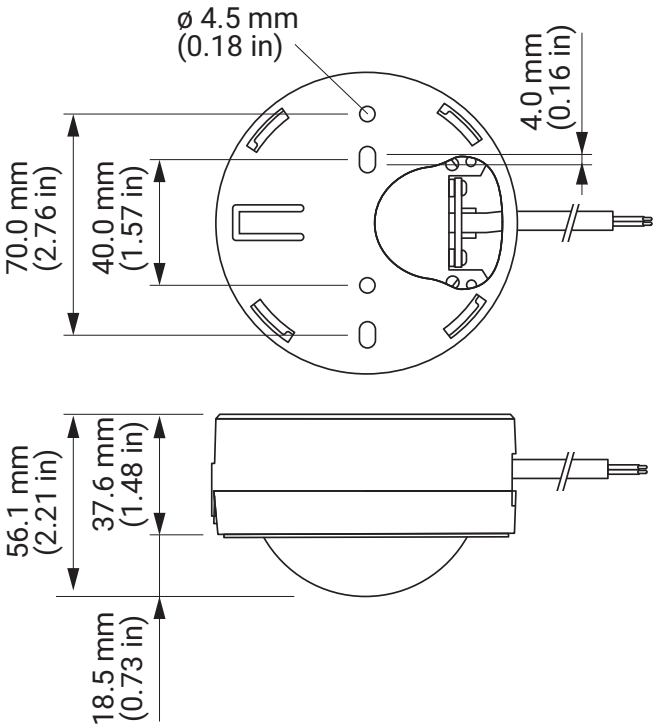
The Dynalite DNS360MB-CR-PIR-ZGBMNS is a wall or ceiling surface-mounted 360° multifunction sensor that combines PIR motion detection and lux level detection with infrared remote reception. This mains-powered sensor is suitable for up to 8m heights and connects wirelessly to the Dynalite system via the PDZG-E Zigbee gateway.

Key Features

- **Motion detection feature** – Adjusts lighting in response the presence or absence of motion.
- **Removable lens shield** – Masks the detection area to prevent nuisance detection from adjacent doorways or corridors.
- **Ambient light level regulation** – In applications where precise, consistent lighting is critical, the PE function measures ambient levels and adjusts artificial light accordingly.
- **Infrared receive capability** – Inbuilt IR sensor enables control from a compatible hand-held RC5 IR remote.
- **Wireless operation** – Connects seamlessly to the Dynalite system via 2.4GHz Zigbee mesh networking.
- **Mains powered** – Easy installation and wiring.

Dimensions





Specifications

Electrical

Supply Voltage	220-240 VAC 50/60Hz
Supply Current	5 mA
Electrical Protection	2 kV (line to neutral) 4 kV (line/neutral to earth)
IEC Overvoltage Category	II ???

Motion Detection (PIR)

Sensor	Passive infrared
NOTE:	PIR detection requires a temperature difference between the subject and background surfaces of at least 4°C (7.2°F)

Light Detection (PE)

Lux Range	1-1,500 lux

Control

Supported Protocols	Zigbee Bluetooth
User Controls	Infrared (RC5 IR remote control) 1 x hardware reset switch
Indicators	1 x motion LED (red) 1 x vacant LED (yellow), 1 x status LED (green)

Wireless Connectivity

Protocols	BLE Zigbee
Frequency	2.4GHz (IEEE 802.15.4)
Antenna Type	Internal
Range	**Zigbee:** 50 m (line of sight) **Bluetooth:** 15 m (line of sight)

Physical

Dimensions	96.2 x 56.3 mm (3.79 x 2.22 in)
Net Weight	190 g (0.42 lb)
Construction	Plastic enclosure
Colour	White
Supply Terminals	Line (Brown), Neutral (Blue)
Supply Terminal Conductor Size	Solid 0.75 mm² (#24 AWG)
Flylead Length	0.3m cable **Type:** H05RN-F 60245 IEC 57(YZW)

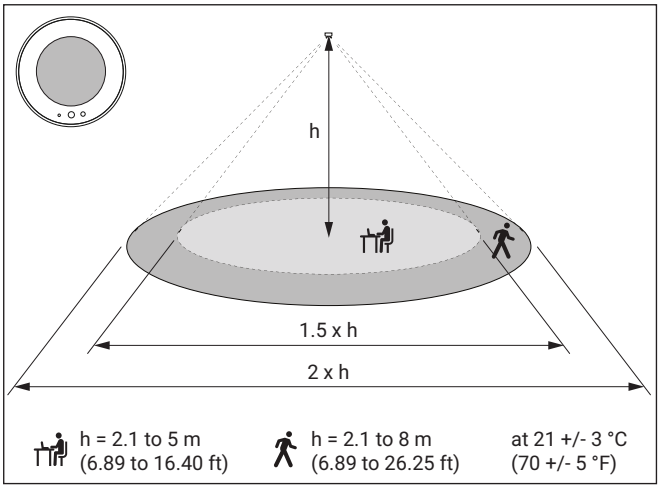
Environment

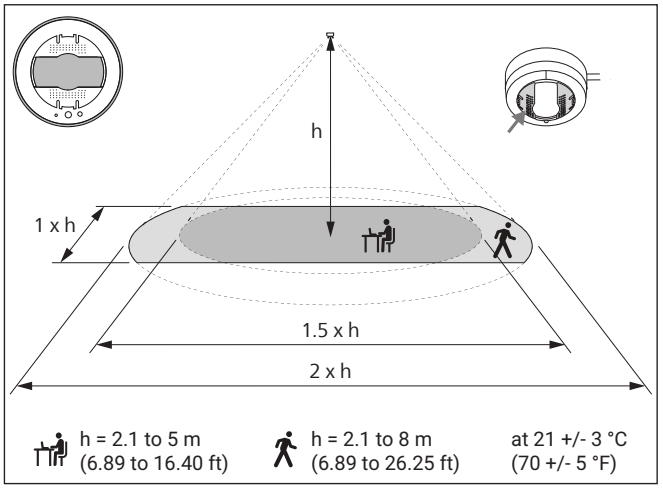
Operating Temperature	0° to 65°C ambient (32° to 149°F)
Storage/Transport Temperature	-40° to 85°C ambient (-40° to 185°F)
Relative Humidity	20-85% non-condensing
IEC Pollution Degree	II ???
Installation Note	For indoor installation only

Compliance

Certifications	CE, CB, RCM, UKCA, ENEC
Sustainability	RoHS, WEEE
IP Rating	IP66

Detection Area





Ordering Codes

Product		12NC
DNS360MB-CS-PIR-ZGBMNS	White	???????????

Policies and Notices

Specific Data Notice

This Specific Data Notice applies to the sensors as specified in this product specification sheet (the **"Sensor"**) that is part of or works with a Professional System offered by Signify for use in the European Union and supplements and/or corrects the Generic Data Notice For Professional Systems and Services that can be found at https://www.signify.com/global/resources/policies-announcements (the **"Generic Data Notice"**) by providing additional and/or more specific details specific to this Sensor.

Terms starting with a capital in this Specific Data Notice will have the meaning as attributed thereto in the Generic Data Notice, unless explicitly defined otherwise in this document.

When used in a Signify professional lighting system in combination with a Dynalite Gateway with either the Dynalite Switch App, Dynalite System Builder, Dynalite System Manager, or Dynalite Cloud, the Sensor can generate the Data as specified below (The type and volume and format of Product Data that is generated depends on the product and/or software configuration and subscription to the relevant software service):

- Operational Data: Lighting control commands based on sensor events as configured in this sensor via the RS-485 DyNet network.
- Sensor Data: occupancy state for the last minute as per Zigbee wireless communication protocol.

The Data generated in this combination is communicated via the network to the gateway and is stored on the gateway. If configured to do so, the gateway can forward the Data to Dynalite Cloud or to Dynalite System Manager. For applicable retention period and means of access to Data that is Readily Available Data, please refer to the Dynalite Cloud software specification sheet. Data cannot be accessed directly from the Sensor (In typical use, once the connected product has been commissioned, data generated on the device is not directly accessible). Data can be accessed from the Gateway using Dynalite System Builder or directly from any of the APIs of the Gateway. The Gateway will persist the Data for 28 days on a rolling basis.

This Specific Data Notice may be changed by Signify from time to time. The current version of this notice will apply and can be obtained at request via the point of contact as indicated in paragraph 7 of the Generic Data Notice.

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