

FIXTURE TYPE:
PROJECT NAME:
LOCATION:
DATE:

AVI-ON MOTION SENSOR



Description

The Avi-on® Direct Connect™ Microwave Sensor provides motion detection and/or daylight harvesting in a highly compact unit. Microwave sensing technology works with any Avi-on Fixture & Zone Controller. The sensor is an integral part of the Avi-on Bluetooth® with Mesh product ecosystem, including the ability to support Luminaire Level Lighting Control (LLLC) and/or groups of fixtures. The network automatically detects the sensor locations and adds them to the system with their associated fixtures. Commissioning can be done using the Avi-on mobile apps or installer web tools. Sites that subscribe to Avi-on IoT Cloud Services using an Avi-on Remote Access Bridge can be commissioned remotely.

Operation

The sensor receives communication and power from any Avi-on Fixture or Zone Controller via an Avi-on standard low-voltage cable. The motion sensor supports a wide array of control strategies, including Occupancy, Vacancy, Bi-Level, scheduled operation, and even safety presence detection for UV-C lighting. Daylight sensing can apply to zones of fixtures as required by code.

Application

The versatile design and mounting options make this sensor a great solution for commercial, institutional, and industrial applications, such as warehouses, manufacturing plants, gymnasiums, offices, schools, or common areas. Best of all, the low-power unit will not shine through floors, walls, or windows.

Ordering Guide

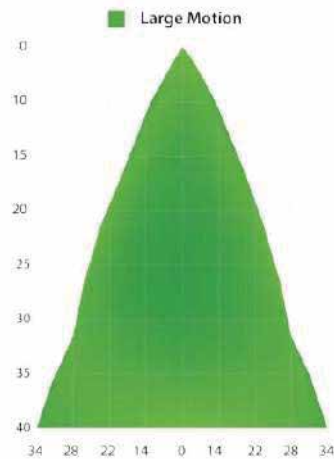
Part Number	Description	Finish
AVI-DC-MW	Direct Connect Microwave & Day lighting Sensor	White

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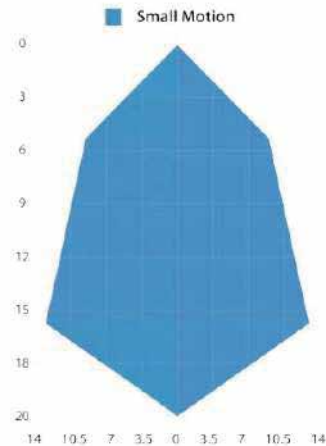
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Coverage Chart

Large Motion Detection



Small Motion Detection



Specification

Dimensions:

2.30 in x 1.43 in x 0.75 in
(58.2mm x 36.4mm x 19mm)

Mounting:

- Acoustic tile clip included.
- Magnetic mount for inside fixture mounting available.
- 4mm M4 screw threads for mounting clip by customer.

Weight: 1.4 oz (40g)

Wiring: Direct Connect Cable: 3ft (1m) included and 10ft (3m) available.

Operating Temp: -22°F to +158°F (-30°C to +70°C)

Storage Temperature: -40°F to +185°F (-40°C to +85°C)

Humidity Rating: 95% non-condensing

Programming:

Via Avi-on platform. Mobile, laptop, remote, local. Program groups of sensors at once.

Operating Modes:

Occupancy, vacancy, UV-C safety, bi-level, dim-to-specified level (never off), schedule-driven, control zones, or individual fixtures.

Microwave Sensor: 360° high resolution, low power.

Time Delays:

15 sec - 1h 30 min adjustable via network (20min default).

Status LED:

On motion detection. Fixture light flashes on motion in test mode.

Daylight Harvesting: Open or closed loop (0-1020 Lux).

Daylighting Range: 360° x 90°.

Spacial Coverage: 90°

Height Range: 8ft-15ft (2.5m-4.2m).

IP Rating: None.

Warranty: 5 years, 10 years optional.