

Fixture Type:

Project Name:

Location:

Date:

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, 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 floor, walls, or windows.**



Ordering Guide

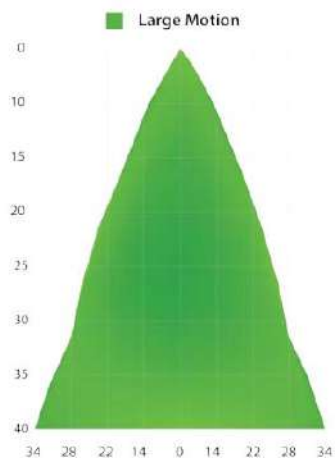
Part Number	Description	Finish
AVI-DC-MW	Direct Connect Microwave & Day lighting Sensor	White

Specification

Input:	Avi-on Direct Connect™ Low Voltage DC Sensor Port	Operating Modes:	Occupancy, vacancy, UV-C safety, bi-level, dim-to-specified level (never off), schedule driven, control zones or individual fixtures
Dimensions:	2.30 in x 1.43 in x 0.75 in (58.2mm x 36.4mm x 19mm)	Microwave Sensor:	360° hi resolution, low power
Mounting:	Acoustic tile clip included. Magnetic mount for inside fixture mounting available. 4mm M4 screw threads for mounting clip by customer	Time Delays:	15 sec - 1h 30 min adjustable via network (20min default)
Weight:	1.4 oz (40g)	Status LED:	On motion detection. Fixture light flashes on motion in test mode
Wiring:	Direct Connect Cable: 3ft (1m) -included and 10ft (3m) available	Daylight Harvesting:	Open or closed loop (0-1020 Lux)
Operating Temp:	-22F to +158F (-30C to +70C)	Daylighting Range:	360° x 90°
Storage Temperature:	-40F to +185F (-40C to +85C)	Spacial Coverage:	90°
Humidity Rating:	95% non-condensing	Height Range:	8ft-15ft (2.5m-4.2m)
Programming:	Via Avi-on platform. Mobile, laptop, remote, local. Program groups of sensors at once	IP Rating:	None
		Warranty:	5 years, 10 years optional

Coverage Chart

Large Motion Detection



Small Motion Detection

