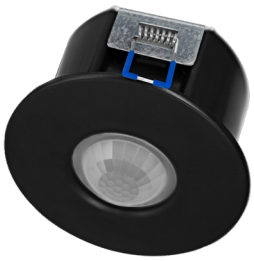
GreenMAX® DRC LumaCAN Multi-Tech Sensor

Front



Back

Side

Description

The GreenMAX® DRC Multi-Tech Sensor (OSR15) incorporates Microwave and PIR technology with occupancy/vacancy and daylight sensing directly into the GreenMAX DRC system. The OSR15 interfaces to the GreenMAX DRC system via the LumaCAN ports for simplified specification and installation. The sensor detects motion through low density materials using high frequency electromagnetic waves and can be installed behind objects made of plastic or glass. The high frequency waves offer less interference and false tripping than traditional sensing technology for reliable occupancy applications

System Description

The GreenMAX DRC Room Control System offers a fully distributed room control system, with each room operating independently of others—no dependence on network processors or centralized controllers. This revolutionary system is fully configurable via the GreenMAX DRC app for smart devices, and can be used to comply with IECC, ASHRAE 90.1, and 2025 Title 24, Part 6 occupancy/vacancy sensing, multi-level lighting, daylight harvesting, partial-ON, partial-OFF, scheduling, exterior lighting, demand response and receptacle control requirements, and is listed on the DesignLights Consortium® (DLC) Qualified Product List (QPL).

GreenMAX DRC App

Wirelessly commission, configure, control, monitor and provision the GreenMAX DRC system using the GreenMAX DRC App designed for any WiFi-enabled Android or iOS smart device.

Features

- Occupancy/vacancy detection using microwave and PIR technology with a 1500 sq ft field of view—the sensor is not intended for spaces less than 750 sq ft
- Light level detection, 0-100 footcandles
- Configurable from the network
- Configurable parameters:
  - Occupancy sensitivity
  - Occupancy Technology: PIR, Microwave, both
  - Occupancy timeout
  - Occupancy enable/disable
  - Photocell range
  - Photocell enable/disable
  - LED brightness
  - LumaCAN input numberL
- Listed on the DesignLights Consortium® (DLC) Qualified Product List (QPL)
- 8-12’ mounting height
- Recess mount into 2-7/8” - 3-1/4” diameter hole
- Requires 4” (102mm) vertical clearance
- When installation requires conduit for Class 2 LumaCAN wiring, drill opening into side of junction box and install J-Box above ceiling directly above sensor

Leviton Manufacturing Co., Inc. Lighting & Controls
10385 SW Avery Street, Tualatin, OR 97062 **tel** 800-736-6682 **tech line** (6:00AM-4:00PM PT Mon-Fri) 800-959-6004
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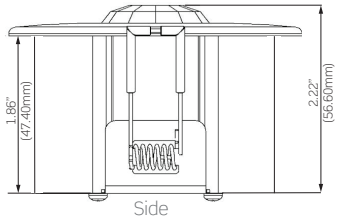
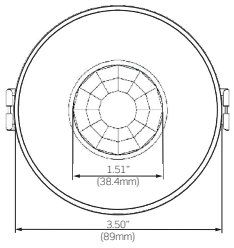
Product Data
OSR15-MCW

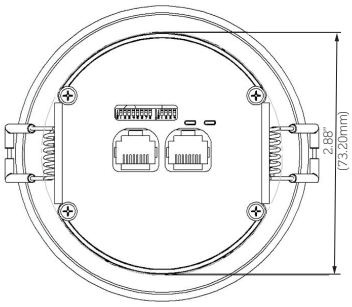
Dimensions



Side

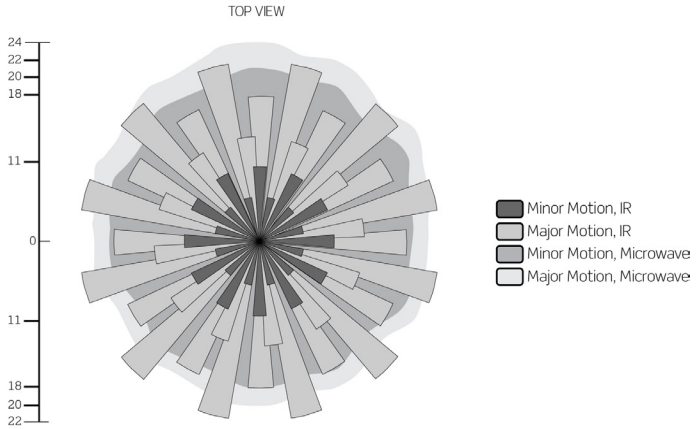


Front



Bottom

Maximum Field of View



Notes:
1. Minimum FOV when sensor is in Multi-Tech mode is 750sqft
2. FOV is slightly elongated in one direction. Direction of elongation is documented in the installation sheet and on the sensor itself.

Specifications

Electrical	
Input Voltage	+12-24VDC, 90-45mA
Network Connections	(2) RJ-45 Cat 6 or better for connection to LumaCAN network. Pass-through RJ-45 connectors are not allowed, installations using these connectors will not be commissioned. 1600' Max Length per daisy-chain segment Home-run topology supported when using repeaters network length may be extended when using repeaters
Environmental	
Operating Temperature	32 to 131° F (0-55°C), 0-85% relative humidity
Storage Temperature	14 to 185° F (10 to 85°C)
Mounting Height	8-12'
Sensor Range	750-1500 sq ft
IP Rating	IP30
Other	
Listings	Listed on the DesignLights Consortium® (DLC) Qualified Product List (QPL)
Energy Codes	Can be used to comply with IECC, ASHRAE 90.1, and 2025 Title 24, Part 6 occupancy/vacancy sensing, multi-level lighting, daylight harvesting, partial-ON, partial-OFF, scheduling, exterior lighting, demand response and receptacle control requirements
Warranty	Limited 5-Year

Ordering Information

GreenMAX DRC Multi-Tech Sensor	
Cat. No.	**Description**
OSR15-MCW	Occupancy Sensor and Photocell, High Frequency+PIR, LumaCAN Interface, 1500sqft, White. For connection only to LumaCAN networks.
OSR15-MCE	Occupancy Sensor and Photocell, High Frequency+PIR, LumaCAN Interface, 1500sqft, Black. For connection only to LumaCAN networks.

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Visit our Website at: www.leviton.com/greenmaxdrc

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