GreenMAX® DRC Digital Sensor

Front

Back

Side

Description
The GreenMAX® DRC Digital Sensor incorporates occupancy/vacancy and daylight sensing directly into the GreenMAX DRC system. The GreenMAX DRC Digital Sensor interfaces to the GreenMAX DRC system via the LumaCAN port for simplified specification and installation. The Sensor integrates a PIR occupancy/vacancy sensor with a daylight-sensing photocell, providing more capabilities while requiring less equipment and wiring.

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).

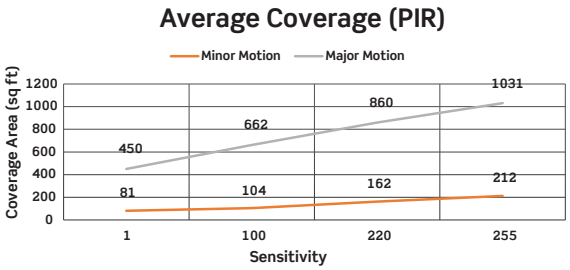
GreenMAX DRC App
Wirelessly commission, configure, control, monitor and provision the GreenMAX DRC system using the GreenMAX DRC App designed for any WiFi-enabled Android or iOS smart device.

Applications
- Digital sensor for DRC systems

Use With These Leviton Systems
- GreenMAX DRC
- Sapphire™ Touchscreen

Features
- Occupancy/vacancy detection using PIR technology with a 500 sq ft field of view
- Light level detection, 0-100 footcandles
- Configurable from the network
- Configurable parameters:
  - Occupancy or vacancy
  - Occupancy sensitivity
  - Occupancy timeout
  - LED intensity
- Occupancy enable/disable
- Photocell range
- Photocell enable/disable
  - LED brightness
  - LumaCAN input number
- **Note:** Pass through connectors are not permitted in LumaCAN system configurations
- 8-12’ mounting height
- Recess mount into 2” diameter hole
- Requires 4” (102mm) vertical clearance
- When installation requires conduit for Class 2 LumaCAN wiring, drill 2” (52mm) opening into side of junction box and install J-box above ceiling directly above sensor
- Listed on the DesignLights Consortium® (DLC) Qualified Product List (QPL)

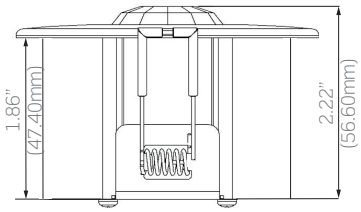
Sensitivity



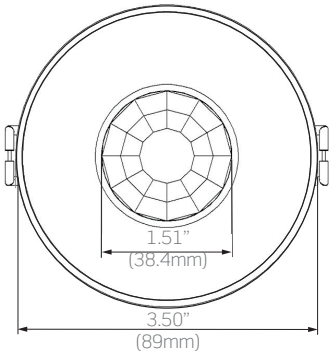
Leviton Manufacturing Co., Inc. Lighting & Controls
10385 SW Avery Street, Tualatin, OR 97062 **tel** 800-736-6682 **tech line** (6:00AM-4:00PM PT Mon-Fri) 800-959-6004

Product Data
OSR05-ICx

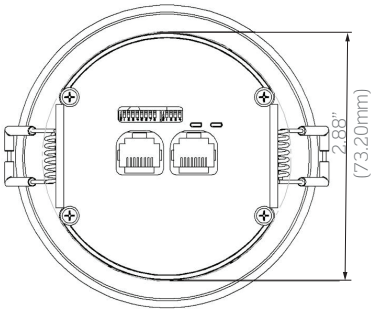
Dimensions



Side



Front



Rear

Specifications

Electrical	
Voltage	+12-24VDC,
Power Consumption	70-35mA
Operating Temperature Range	32° to 122° F (0° to 50° C)
Network Connections	(2) RJ45 CAT6 or better for connection to LumaCAN network; 1600 ft max length per daisy-chain segment; home-run topology supported by using repeaters; network length may be extended when using repeaters
Environmental	
Operating Temperature	32° to 131°F (0° to 55°C)
Relative Humidity	0 to 90% non-condensing, for indoor use only
Mounting Height	8-12'
Sensor Range	500 sq ft
IP Rating	IP32
Other	
Listings	UL, cUL (File # E148771), RoHS, CE, 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 Digital Sensor	
Cat. No.	**Description**
OSR05-ICW	GreenMAX DRC Digital Sensor, White
OSR05-ICE	GreenMAX DRC Digital Sensor, Black

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Leviton Manufacturing Co., Inc. Global Headquarters
201 North Service Road, Melville, NY 11747-3138 **tel** 800-323-8920 **tech line** (8:00AM-10:00PM ET Mon-Fri, 9:00AM-7:00PM ET Sat, 9:00AM-5:00PM ET Sun) 800-824-3005

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

G-10411D/G25-aa
REV JUL 2025