

# LMUC-100-2

Digital Lighting Management

Ultrasonic Ceiling Mount  
Occupancy Sensor

**THIS UNIT IS PRE-SET FOR PLUG n' GO™ OPERATION, ADJUSTMENT IS OPTIONAL.**

For full operational details, adjustment and more features of the product, see the DLM System Installation Guide supplied with the LMRC-102 and also available at [www.wattstopper.com](http://www.wattstopper.com)

**INSTALLATION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS, LOCAL AND NEC CODES.**

Intended for Listed Class 2 DLM Devices.

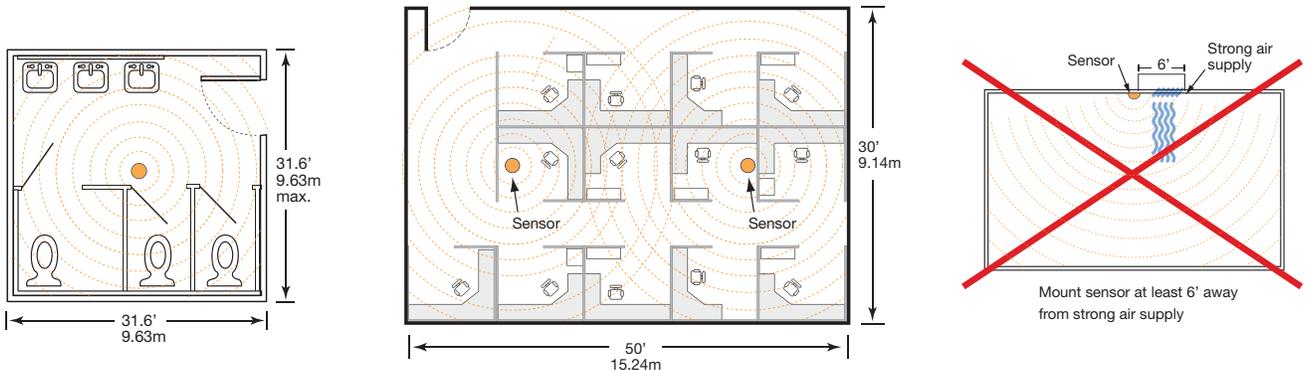
For Class 2 DLM devices - To be connected to a Class 2 power source only.

For Class 2 Device Wiring Only – Do Not Reclassify and Install as Class 1, or Power and Lighting Wiring.

Wire connections shall be rated suitable for the wire size (lead and building wiring) employed.

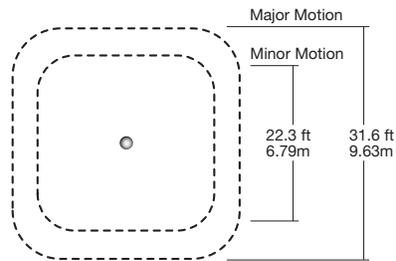
- Voltage: ..... 24VDC
- Current Consumption:..... 20mA
- Power Supply:..... Watt Stopper/Legrand Room Controllers
- Connection to the DLM Local Network ..... 2 RJ-45 ports
- DLM Local Network Characteristics:
  - Provides low voltage power over Cat 5e cable (LMRJ).
  - Supports up to 24 communicating devices, including 4 LMRC-10x or LMPL-101 max per each DLM Local Network.
  - Free topology up to 1,000ft of low voltage cable.
- Environment ..... For Indoor Use Only
  - Operating Temperature .....32° to 131°F (0° to 55°C)
  - Storage Temperature..... 23° to 176°F (-5° to 80°C)
  - Relative Humidity..... 5 to 95% (non condensing)
- Patent Pending

## SENSOR PLACEMENT (10' MAX. HEIGHT)



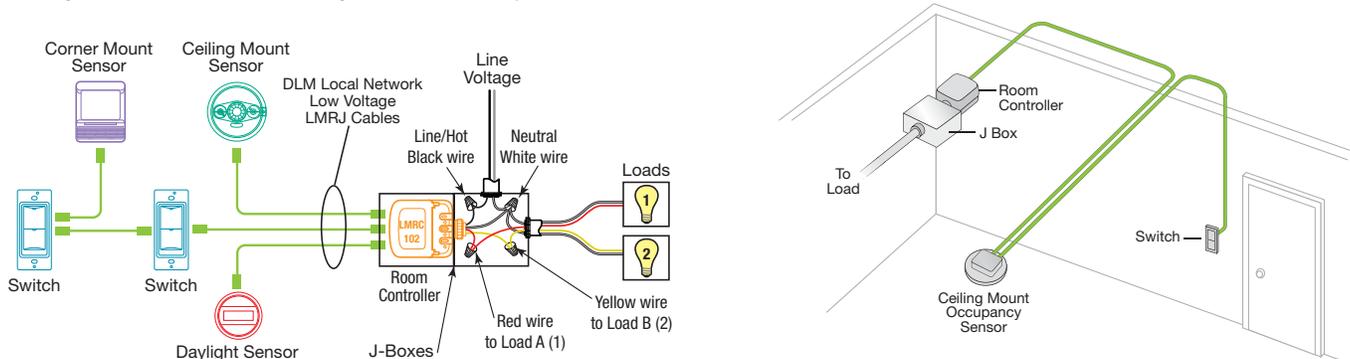
## COVERAGE PATTERN

The LMUC-100-2 provides a 360° coverage pattern. The coverage shown represents walking motion at a mounting height of 8 to 10 feet.



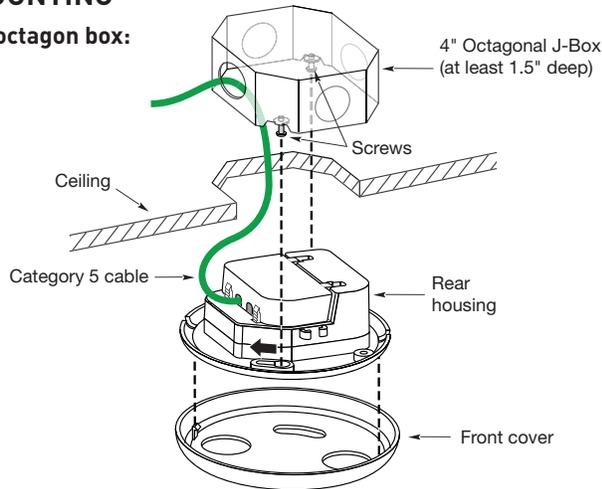
## CONNECTIVITY

The illustrations below show examples of free-topology wiring. The LMUC-100-2 communicates to all other Digital Lighting Management devices connected to the low voltage DLM Local Network, regardless of their position on the DLM Local Network.

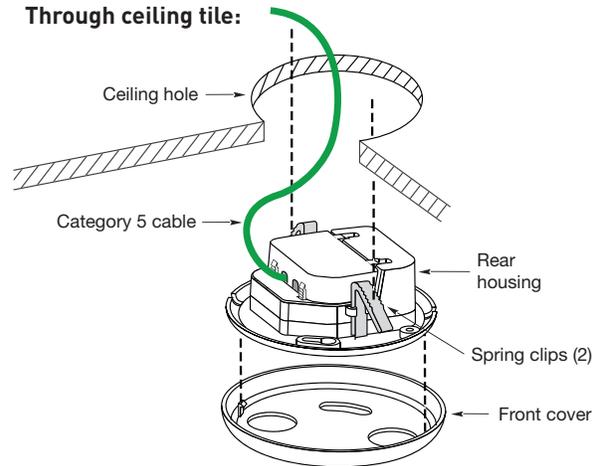


## MOUNTING

To octagon box:



Through ceiling tile:



**WARNING:** Do Not Install To Cover a Junction Box Having Class 1, 3 or Power and Lighting Circuits.

## FACTORY PRE-SET OPERATION

### Sensor Parameters

<b>T-DELAY</b>	Time Delay	20 minutes
	Ultrasonic Sensitivity	70%
<b>W-T</b>	Walk Through	OFF

### Load Parameters

	 <b>Load 1</b>	 <b>Loads 2-8 or more**</b>	 <b>Plug Load</b>
ON Mode Operation*	<b>AUTO-ON</b>	<b>MANUAL-ON</b> if switch is connected. <b>AUTO-ON</b> if no switch.	<b>AUTO-ON</b>
Blink Warning	OFF	OFF	OFF
Daylighting	ON	OFF	OFF

\* Auto-OFF is enabled according to the sensor Time Delay when a sensor is bound to the load, regardless of whether the load was turned on automatically with occupancy or manually using a switch.

\*\* Max 8 loads using LMRC-100 series room controllers.

## TROUBLESHOOTING

Loads do not operate as expected.



**WARNING:** TO CONNECT A COMPUTER TO THE DLM LOCAL NETWORK USE THE LMCI-100. NEVER CONNECT THE DLM LOCAL NETWORK TO AN ETHERNET PORT - DOING SO MAY DAMAGE COMPUTERS AND OTHER CONNECTED EQUIPMENT.

<b>LEDs don't light, display is off</b>	<ol style="list-style-type: none"> <li>1. Check to see that the the sensor is connected to the DLM local Network.</li> <li>2. Check for 24VDC input to the sensor: Plug in a different DLM device at the sensor location. If the device does not power up, 24VDC is not present. <ul style="list-style-type: none"> <li>• Check the high voltage connections to the room controller.</li> <li>• If high voltage connections are good and high voltage is present, recheck DLM local Network connections between the sensor and the room controller.</li> </ul> </li> </ol>
<b>The wrong lights are controlled</b>	<ol style="list-style-type: none"> <li>1. Configure the sensor to control the desired lights using the Push n' Learn adjustment procedure.</li> </ol>
<b>LEDs turn ON and OFF but load doesn't switch</b>	<ol style="list-style-type: none"> <li>1. Make sure device is not in PnL.</li> <li>2. Check load connections to room controller.</li> </ol>