Wattstopper®

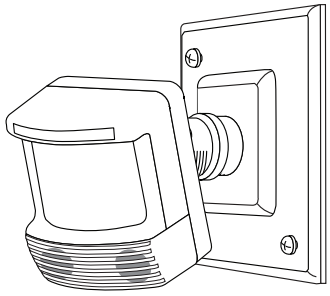
DLM Dual Technology Corner Mount Occupancy Sensor

No: 24598 – 08/25 rev. 4

Installation Instructions • Instructions d'Installation • Instrucciones de Instalación

Catalog Number • Numéro de Catalogue • Número de Catálogo: LMDX-100

Country of Origin: China or Mexico • Pays d'origine: Chine ou Mexique • País de origen: China o México
LMDX-100 -U is BAA and TAA compliant (Product produced in the U.S.)



This unit is pre-set for Plug n' Go™ operation, adjustment is optional.

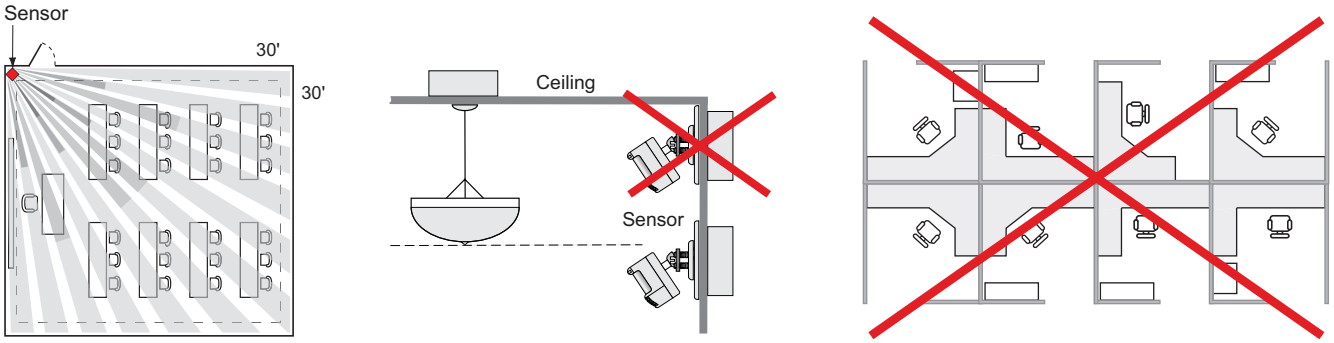
For full operational details, adjustment and more features of the product, see the DLM System Guide available at www.legrand.us/Wattstopper.

Installation shall be in accordance with all applicable regulations, local and NEC codes. Wire connections shall be rated suitable for the wire size (lead and building wiring) employed.
For Class 2 DLM devices and device wiring: To be connected to a Class 2 power source only. Do not reclassify and install as Class 1, or Power and Lighting Wiring.

SPECIFICATIONS

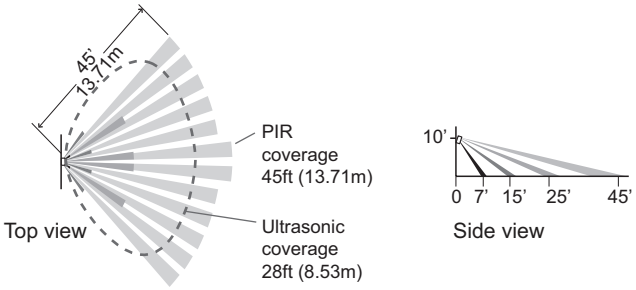
Voltage 24VDC
Current Consumption 20mA
Power Supply ..... Wattstopper Room Controllers
Connection to the DLM Local Network ..... RJ-45 plug
DLM Local Network characteristics:
Low voltage power provided over Cat 5e cable (LMRJ).
Max current: 800mA. Max total cable: 1000' Cable added per device: 150'.
Max loads: 64. Max communicating devices: 24 if all power supplies are 10X-Series, 48 otherwise. Max 10X-Series power supplies: 5.
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)

SENSOR PLACEMENT



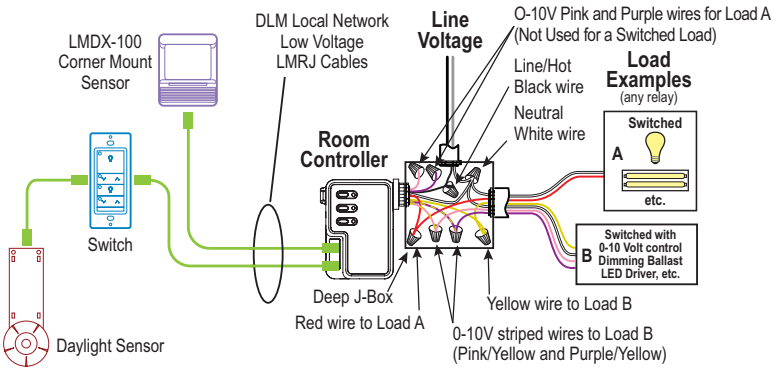
COVERAGE PATTERN

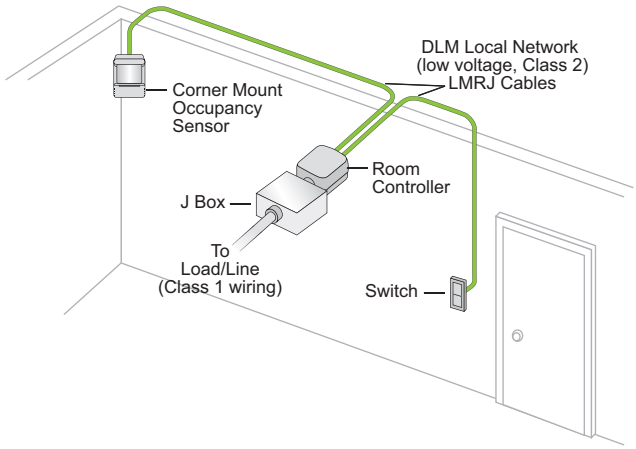
Coverages shown are maximum and represent half-step walking motion.



CONNECTIVITY

The illustrations below show examples of free-topology wiring. The LMDX-100 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.



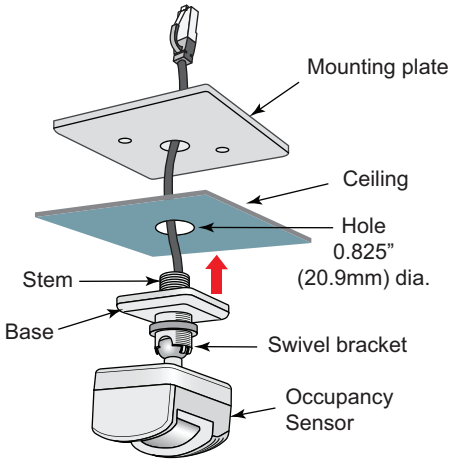


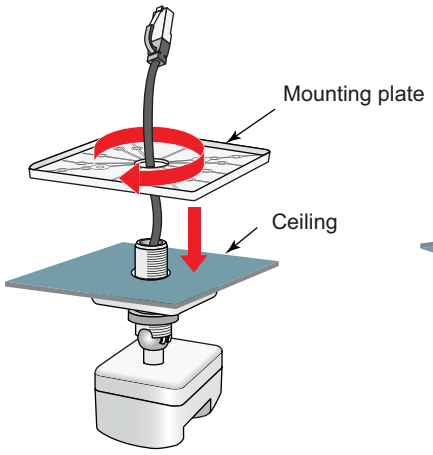
CAUTION: TO CONNECT A COMPUTER TO THE DLM LOCAL NETWORK USE THE LMCI-100. **NEVER CONNECT THE DLM LOCAL NETWORK TO AN ETHERNET PORT** – IT MAY DAMAGE COMPUTERS AND OTHER CONNECTED EQUIPMENT.

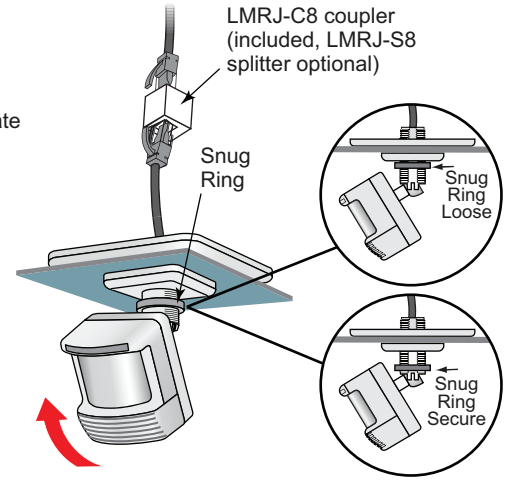
MOUNTING

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

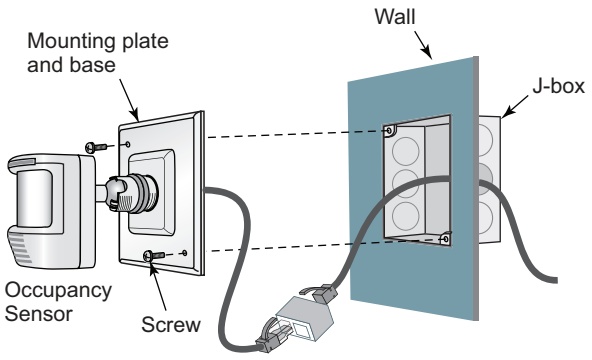
Through Ceiling Tile:

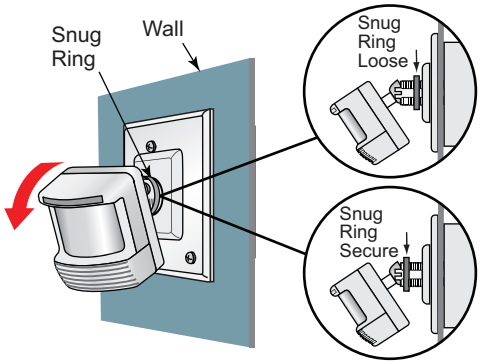






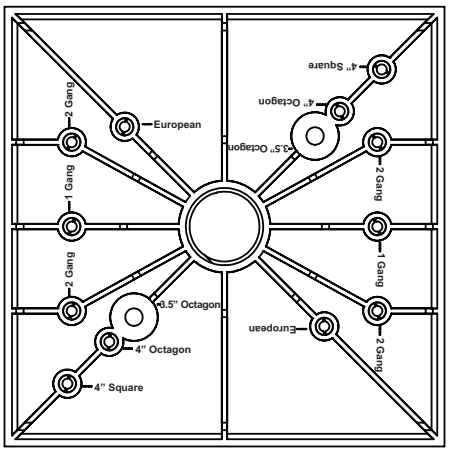
Through Wall:





Mounting Plate Pre-Drilled Hole Sizes

- 2-Gang
- 1-Gang
- 3.5” Octagon
- 4” Octagon
- 4” Square
- European Mount



Back of Plate

FACTORY PRE-SET OPERATION

Sensor Parameters

T-DELAY	Time Delay	20 minutes
PIR	Passive Infrared Sensitivty	90%
US	Ultrasonic Sensitivity	70%
W-T	Walk Through	OFF
TRIG	Initial Occupancy	PIR and Ultrasonic
RETRIG	Maintain Occupancy	PIR or Ultrasonic

Load Parameters

	Load 1	**Loads 2-8 or more****	**Plug Load**
ON Mode Operation*	AUTO-ON	MANUAL-ON if switch is used. AUTO-ON if switch is not used.	AUTO-ON
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.

LEDs don’t light, display is off.	1. Check to see that the sensor is connected to the DLM local Network. 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. • Check the high voltage connections to the room controller. • If high voltage connections are good and high voltage is present, recheck DLM local Network connections between the sensor and the room controller.
The wrong lights are controlled.	1. Configure the sensor to control the desired lights using the Push n’ Learn adjustment procedure.
LEDs turn ON and OFF but load doesn’t switch.	1. Make sure device is not in PnL. 2. Check load connections to room controller.

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