



No: 24788 – 10/25 rev. 7

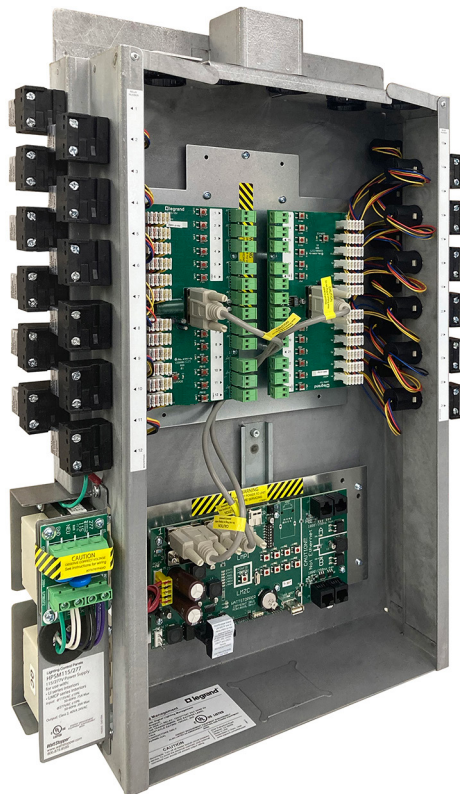
## Wattstopper®

DLM Relay Panel Interiors with 0-10V Dimming or Switched On/Off  
Intérieurs du panneau a relais DLM avec gradation 0-10 V ou On/Off  
Interiores del panel de relés DLM con atenuación de 0-10 V o encendido/apagado

Installation Instructions • Instructions d'Installation • Instrucciones de Instalación

### Catalog Numbers • Les Numéros de Catalogue • Números de Catálogo: LMCP8-10V/LMCP24-10V/LMCP48-10V LMCP8/LMCP24/LMCP48

Country of Origin: Made in China • Pays d'origine: Fabriqué en Chine • País de origen: Hecho en China



This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However there is no guarantee that interference will not occur in a particular installation. If this equipment does not cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interface by one or more of the following measures.

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult an experienced radio/TV technician for help

## SPECIFICATIONS

Input voltage ..... 115/277V, 120/347V, 50/60 Hz  
For 0-10V models:

Sinks up to 100 mA per 0-10V input (50 fixtures at 2mA each)

0-10V signal will open on loss of power to panel

Class 2 connection to two independent DLM local networks

24VDC output ..... up to 250mA across 2 RJ45 ports per local network  
..... (A and B networks, 250 mA each)

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.

Terminals for connection to DLM segment network (BACnet MS/TP)

Segment network parameters

Wattstopper LM-MSTP wire

Linear topology, 4000 ft. maximum per segment

Accessory power (jumper selectable)

LMCP8/LMCP8-10V ..... N/A

LMCP24/LMCP24-10V ..... 650 mA @ 15VDC, 400 mA @ 24VDC

LMCP48/LMCP48-10V ..... 650 mA @ 15VDC, 400 mA @ 24VDC

..... 15VDC to power optional internal Network Controller

..... 24VDC for Class 2 accessory devices

HDR relays (used in both On/Off and 0-10V panels):

Coil voltage, 24VDC, pulse ON and pulse OFF

Mechanically latched contacts

½" K.O. mounting, LV plug-connection, individually replaceable

HDR Heavy Duty Relay contact ratings:

30 A ballast ..... @ 277V

20 A ballast ..... @ 347V

16 A, E-Ballast ..... @ 120V

10 A, E-Ballast ..... @ 277V

10A, E-Ballast ..... @ 347V

20 A tungsten ..... @ 120V

30 A resistive ..... @ 347V

20 A receptacle load ..... @ 120V

1.5 HP ..... @ 120V

SCCR (short circuit current rating) ..... 14,000 A @ 347V

Operating conditions:

for indoor use only ..... 32–140° F (0–60° C)

..... 5-95% RH, non-condensing

UL and cUL listed (E207852). Listed for receptacle rated circuit control

Complementary Listed to Emergency Lighting Equipment, UL924

OSHPD (OSP) Approved (Certification No: OSP-0257)

**WARNING:** The DB9 cables cannot be plugged in or unplugged without powering down the panel.

## DESCRIPTION AND OPERATION

The LMCP series panels are available for Dimming (LMCPx-10V) or Switching (LMCPx) control of lighting and plug loads. The panels can be networked together to enable automation through out an entire facility.

The HDR panel relays respond to inputs from Digital Lighting Management (DLM) switches, occupancy sensors, daylight sensors, input modules and 0-10V outputs on dimming panel models.

Relays in each LMCP panel can be assigned to up to 99 automation groups in any combination. Each group can respond to unique scheduled events and light/dark photocell operations set up via an LMCT-100-2 handheld configuration tool. A group can also respond to schedules sent from a Network Controller or a BACnet-enabled building automation system (BAS). Individual loads, or groups of loads, can also be controlled by DLM digital switches, dimmers, occupancy sensors, LMLS series daylight sensors, and LMIN-104 input modules. Controls are assigned to relays using Push n' Learn™ directly from the user input device, or via an LMCT-100-2.

Multiple panels may be networked together for global control operation without the use of a Network Controller or BAS. The LMCP panel also provides a native-BACnet integration solution via BACnet MS/TP, or with optional NB-ROUTER, BACnet/IP. Relay, group, and control device status, including occupancy sensor status, are available as BACnet objects. When a Wattstopper Network Controller is used, it will automatically recognize LMCP panels and map them to the browser-based user interface so that they can be configured with minimal additional setup.

LMCP panels provide effective, code-compliant control of building exterior lighting as well as larger interior areas that are not suited for DLM distributed controls. Recommended applications include office building lobbies, corridors, loading docks, etc., as well as school gymnasiums, commons areas, hallways, any space with a hard cap ceiling, or an open ceiling where view of load controllers is not desired. LMCP panels are also ideal for retrofit scenarios where mounting control equipment near existing branch circuit breakers is beneficial and digital switch and sensor devices and load parameter configurability are required to meet complex operational sequences.

**Before installing the LMCP, read the instructions completely. For any questions, call our Technical Support team at: 800.879.8585.**

### Important Installation Notices

- All power must be turned OFF prior to wiring, installation or service.
- More than one disconnect may be required to de-energize power to the LMCP.
- External circuit protection to the LMCP is required (e.g., circuit breaker).
- Installation shall be in accordance with all applicable regulations, wiring practices, and codes.
- Care should be taken not to mix Class I and Class II wires.
- Do not energize wiring until the unit is fully assembled and connected circuits have been tested and found to be free of electrical shorts.
- The LMCP is ESD sensitive. Observe reasonable precautions.

## IMPORTANT SAFEGUARDS

When using electrical equipment, basic safety precautions should always be followed including the following:

- a. READ AND FOLLOW ALL SAFETY INSTRUCTIONS.
- b. Do not use outdoors.
- c. Do not mount near gas or electric heaters.
- d. Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
- e. The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
- f. Do not use this equipment for other than intended use.
- g. Installation should be performed by qualified service personnel.

### INTERIOR



Panel interior and enclosures

### ENCLOSURES

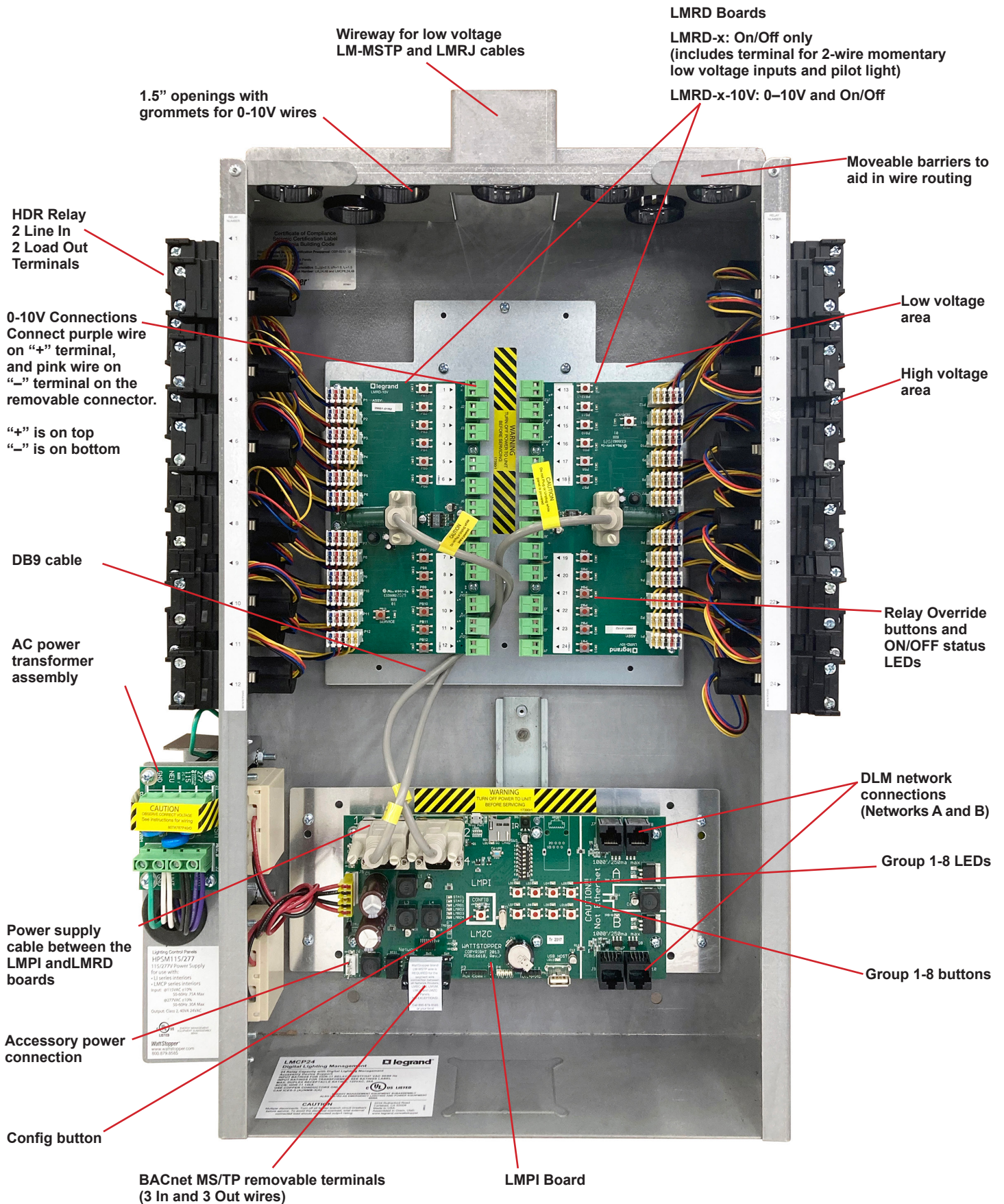


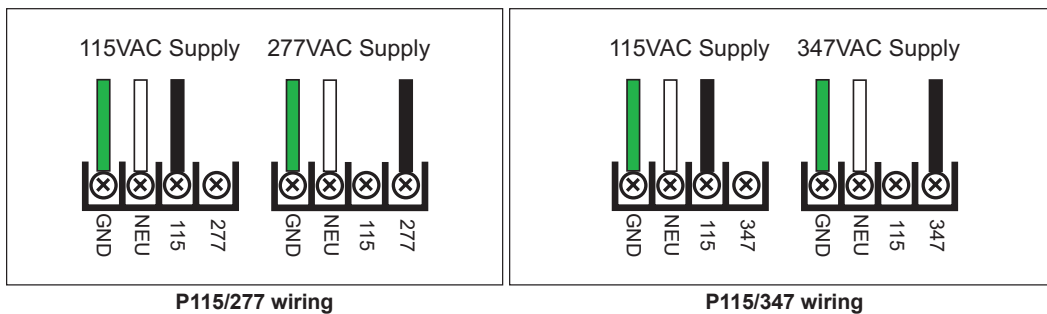
**WARNING**  
IMPROPER INSTALLATION OR  
CONNECTION OF THIS PANEL MAY  
RESULT IN SERIOUS PERSONAL  
INJURY AND/OR DAMAGE TO THE  
PANEL AND OTHER DEVICES.

**CAUTION**  
THE DB9 CABLES CANNOT BE  
PLUGGED IN OR UNPLUGGED  
WITHOUT POWERING DOWN THE PANEL.

## COMPONENT LOCATIONS

### LMCP24 (0–10V version shown)





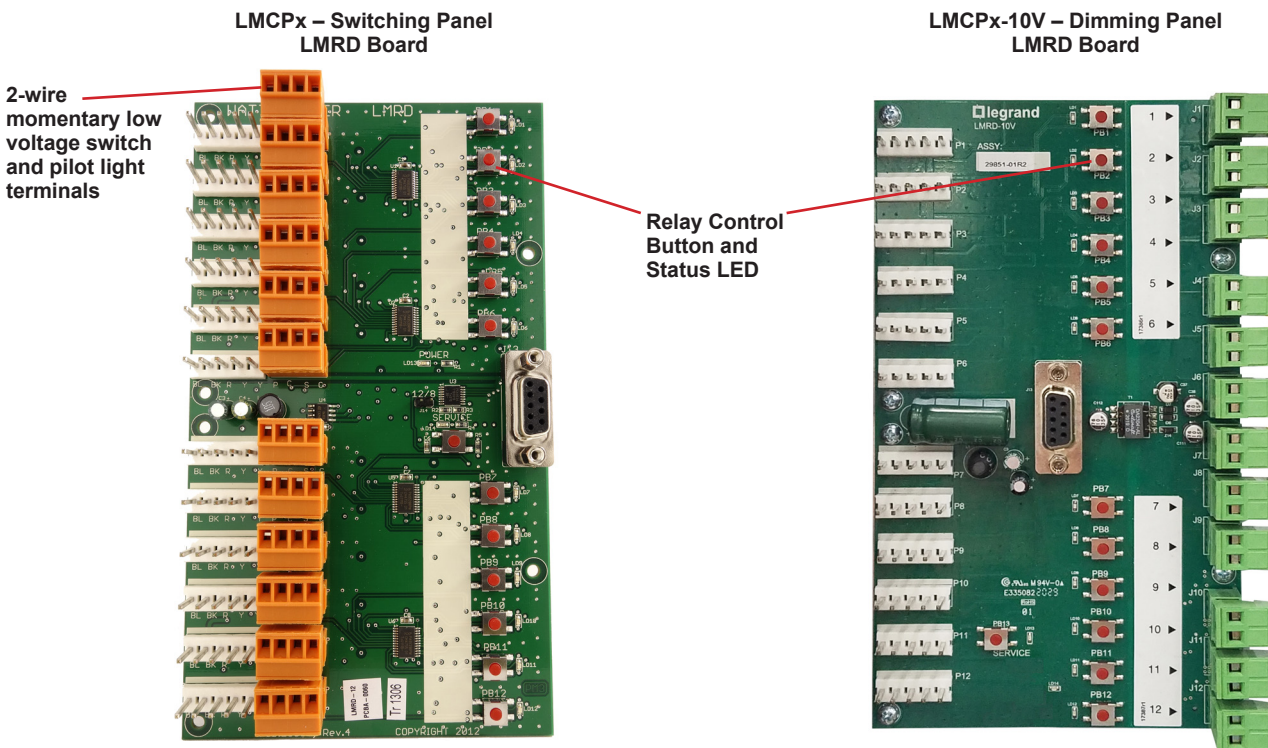
#### Step 4 Connect Load and Line Voltage to Relays

Before making any connections to the relays, make sure that none of the load circuits are shorted. Route conductors from the circuit breaker through each relay's SPST output terminals, and from there to the loads. Confirm that each circuit is wired to the relay specified in the electrical construction drawings and relay schedule forms provided with the panel.

#### Step 5 Power Up and Test Relays

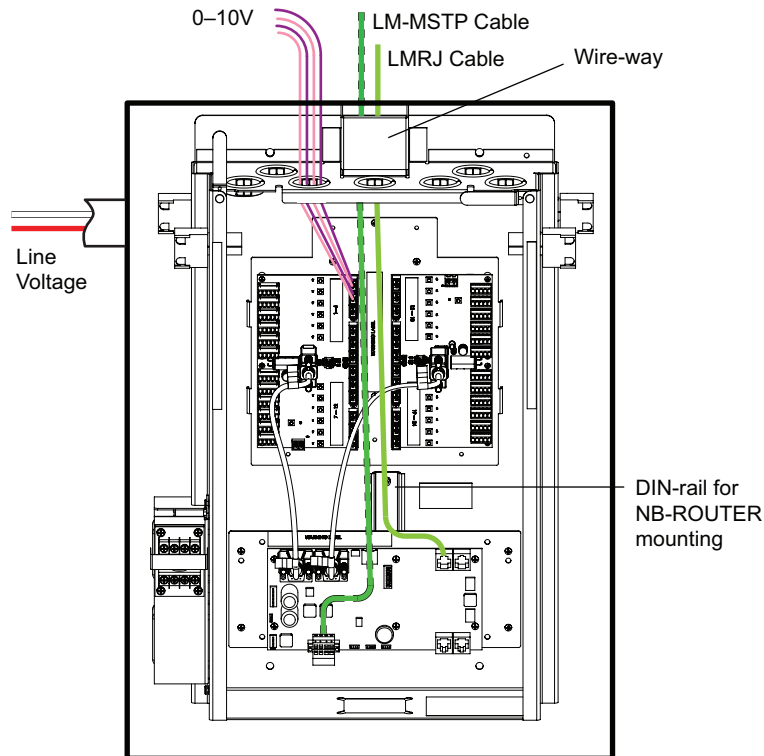
1. Apply power to the LMCP power supply ONLY. Do NOT apply power to the controlled circuit loads.
2. Locate the relay control buttons on the Relay Driver card next to each relay's 5-wire plug-in termination. For a switching relay, press the relay control button to toggle it ON/OFF. The relay clicks, the relay's mechanical override switch moves and the LED status indicator changes. For a 0–10V panel, press and hold to Dim Up, release, then press and hold to Dim Down.
3. Confirm the operation by measuring the continuity at the line voltage terminations of each relay.
4. Apply power to the relays.
5. Being careful not to touch any line voltage wiring, toggle each relay ON/OFF again and confirm that each relay controls the appropriate load.

The last page of this guide includes a form for documenting the relays.



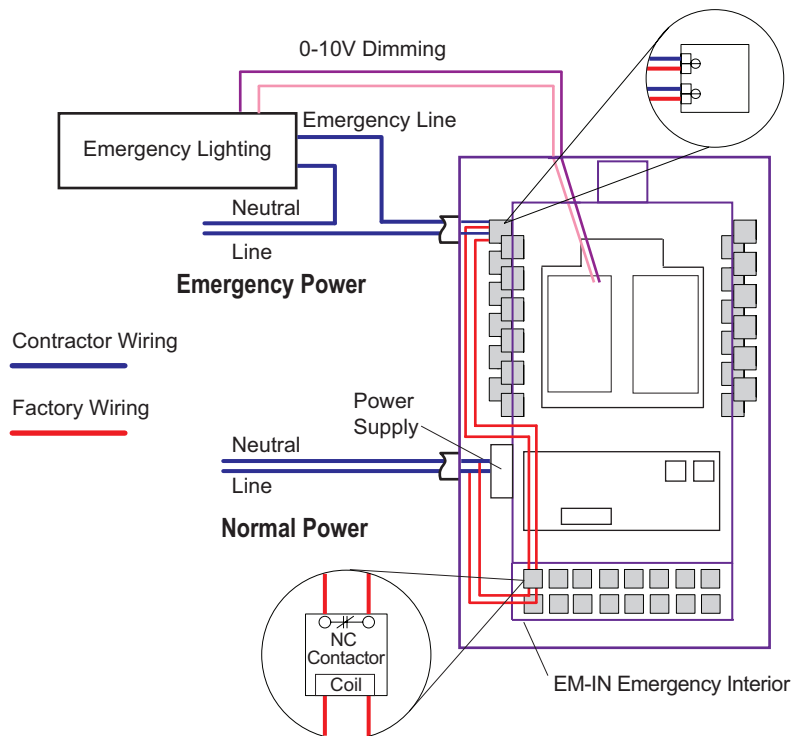
## 0-10V AND NETWORK WIRING

The Class 2 wire-way at the top of the LMCP panel is designed to provide separation between Class 1 wiring and BACnet/IRB network wiring. All 0-10V wires must originate as Class 2 or be reclassified. The 0-10V wires are routed through multiple 1.5" openings with grommets in the top of the Class 1/Class 2 barrier. The BACnet/IRB wires are routed through the wire-way.



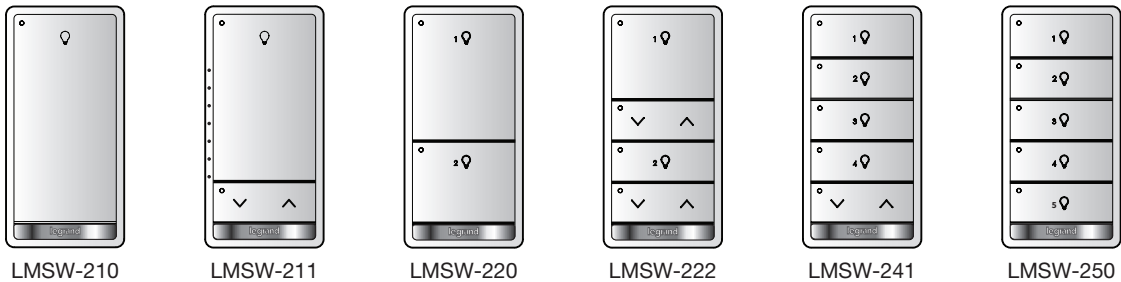
## EMERGENCY LIGHTING WIRING WITH EM-IN EMERGENCY INTERIOR OPTION

LMCP24-10V with EM-IN



Catalog Numbers • Les Numéros de Catalogue • Los Números de Catálogo: LMSW-210, LMSW-211, LMSW-220, LMSW-222, LMSW-241, LMSW-250

Country of Origin: Made in China • Pays d'origine: Fabriqué en Chine • País de origen: Hecho en China  
Models ending in -U are BAA and TAA compliant (Product produced in the U.S.)



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

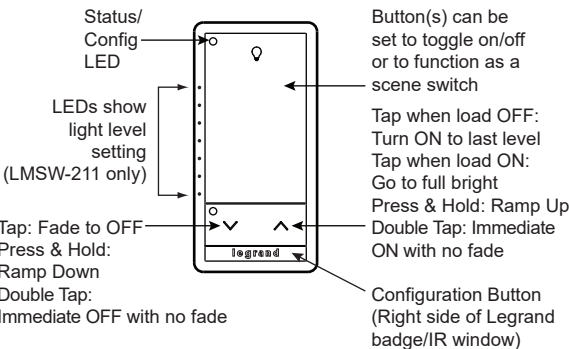
For full operational details, adjustment and more features of the product, see the DLM System Guide available at [www.legrand.us/Wattstopper](http://www.legrand.us/Wattstopper).

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 .....                                                                                                          | 5mA                         |
| Power Supply .....                                                                                                                 | Wattstopper Room Controller |
| Connection to the DLM Local Network.....                                                                                           | 2 RJ-45 ports               |
| 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)   |

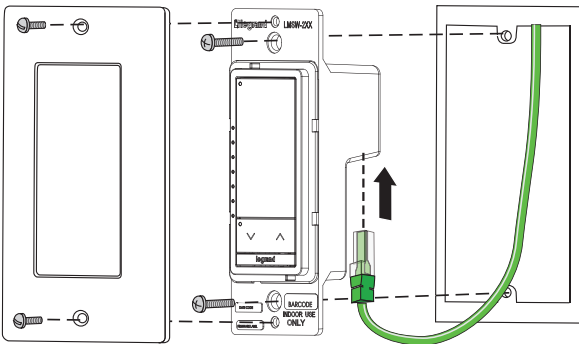
BUTTONS AND INDICATORS



**Active Dim function:** When a scene button on any switch is tapped, rockers in the room will temporarily be assigned to the loads assigned to that button (if the rocker is not already assigned to them), thereby allowing the user to dim the selected scene. The switch LED flashes to indicate status. After five seconds, the rocker reverts to its normal load assignments. When a load button on a switch is double tapped, all rockers in that room will go into active dim mode as well (again for 5 seconds).

Active Dim can be disabled on LMSW-2xx switches using LMCS-100 software.

MOUNTING THE SWITCH



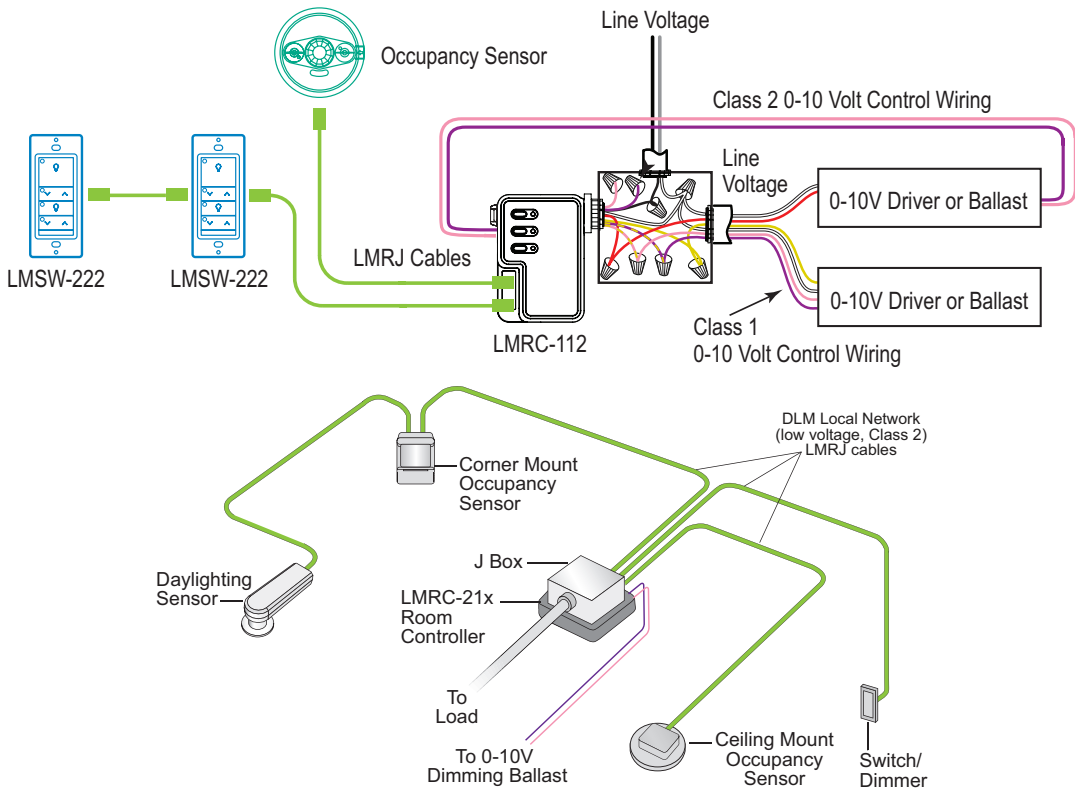
**WARNING:** Do not install to cover a junction box having Class 1, 3 or Power and Lighting Circuits.



**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.

## CONNECTIVITY

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



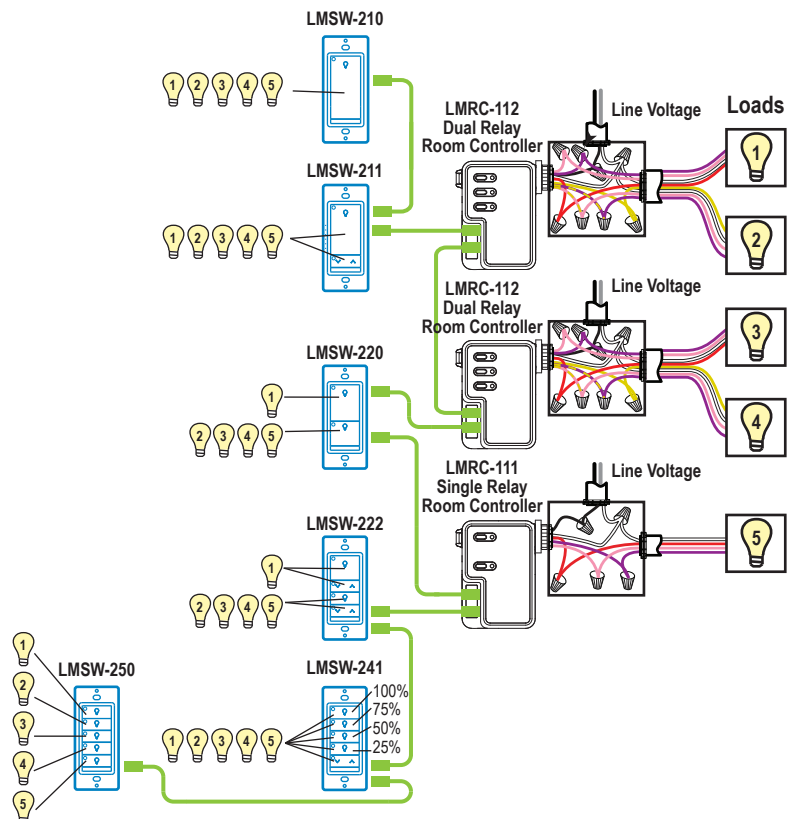
## PLUG N' GO OPERATION (PNG)

Each load is automatically assigned to a switch button.

- If there are more buttons on a switch than there are loads, the extra button(s) do nothing and blink when pressed.
- If there are fewer buttons on a switch than there are loads, the last button controls all remaining loads.
- The LMSW-241 auto-configures as a scene switch for all lighting loads. A button's scene percentages can be changed by pressing and holding for 5 seconds while room is in the desired state.

The illustration shows the Plug n' Go load binding for each LMSW switch in a room that has up to 5 loads.

### Plug n' Go Load Binding



---

## UNIT ADJUSTMENT - PUSH N' LEARN (PNL)

---

### Load Selection Procedure

A configuration button allows access to our patented Push n' Learn™ technology to change the binding relationship between switch buttons and loads.

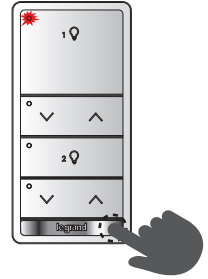
#### Step 1 Unlock Configuration Button

1. The configuration button will lock after any of the following events:
  - ▶ PnG lock command transmitted (occurs upon PnL exit)
  - ▶ After twelve hours of being unlocked (first boot or a manual unlock)
  - ▶ The button is manually locked (as described in Step 5).

To check if it is unlocked, press the configuration button on the right-side of the Legrand badge.

If the top button LED flashes red, the configuration button is unlocked.

Skip to Step 2 – Enter Push n' Learn.



2. If the top button LED did not flash red, the configuration button is locked. Press-and-hold the configuration button and the top-most button on the switch simultaneously until the top button LED flashes red (approximately 3 seconds). This signals that the configuration button is unlocked.



#### Step 2 Enter Push n' Learn

1. Press and hold **only** the configuration button for 3 seconds, until the Red LED on the switch begins to blink.
2. When you release the switch's configuration button, the red LED on other communicating DLM Local Network devices begins to blink.
3. The DLM Local Network is now in PnL mode. The Red LEDs continue to blink until you exit PnL mode.
4. All loads in the room turn OFF after entering PnL. After one second, one load turns ON. This is Load #1, which is bound to switch button #1 as part of the Plug n' Go factory default setting. The White LED will be ON for all switch buttons and sensors that are bound to this load.

**NOTE:** For the top button, since it is blinking red while in PnL, the LED for that button will alternate between Red and White if the button is bound to the load or Red and Off if the button is not bound to the load.

#### Step 3 Load selection

1. Press and release the configuration button to step through the loads connected to the DLM Local Network. As each load turns ON note which devices (switch buttons and sensors) are showing the white LED. These devices are currently bound to the load that is ON.
2. To unbind a switch button from a load, press the switch button while its white LED is ON. The white LED turns OFF to indicate the button no longer controls the load that is currently ON.
3. Pressing the switch button again while the load is ON rebinds the load to the button and the white LED illuminates.

#### Step 4 Step 3: Exit Push n' Learn

Press and hold the configuration button until the red LED turns off, approximately 3 seconds.

#### Step 5 Lock Configuration Button (Optional)

If the configuration button is unlocked and you wish to manually lock it, press-and-hold both the configuration button and the top-most button on the switch simultaneously until the top button LED lights red (approximately 3 seconds).

## TROUBLESHOOTING

### Loads do not operate as expected.

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Switch button LEDs don't light</b>               | <ol style="list-style-type: none"><li>1. Check to see that the the switch is connected to the DLM Local Network.</li><li>2. Check for 24VDC input to the switch: Plug in a different DLM device at the switch 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 switch 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 switch buttons to control the desired lights using the Push n' Learn adjustment procedure.</li></ol>                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Button doesn't actuate</b>                       | <ol style="list-style-type: none"><li>1. Make sure the switch frame and button are assembled properly.</li><li>2. Make sure that the wall plate is not pinching the frame.</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>                                                                                                                                                                                                                                                                                                                                                                                                                           |

### WARRANTY INFORMATION

Wattstopper warrants its products to be free of defects in materials and workmanship for a period of five (5) years. There are no obligations or liabilities on the part of Wattstopper for consequential damages arising out of, or in connection with, the use or performance of this product or other indirect damages with respect to loss of property, revenue or profit, or cost of removal, installation or reinstallation.

### INFORMATIONS RELATIVES À LA GARANTIE

Wattstopper garantit que ses produits sont exempts de défauts de matériaux et de fabrication pour une période de cinq (5) ans. Wattstopper ne peut être tenu responsable de tout dommage consécutif causé par ou lié à l'utilisation ou à la performance de ce produit ou tout autre dommage indirect lié à la perte de propriété, de revenus, ou de profits, ou aux coûts d'enlèvement, d'installation ou de réinstallation.

### INFORMACIÓN DE LA GARANTÍA

Wattstopper garantiza que sus productos están libres de defectos en materiales y mano de obra por un período de cinco (5) años. No existen obligaciones ni responsabilidades por parte de Wattstopper por daños consecuentes que se deriven o estén relacionados con el uso o el rendimiento de este producto u otros daños indirectos con respecto a la pérdida de propiedad, renta o ganancias, o al costo de extracción, instalación o reinstalación.



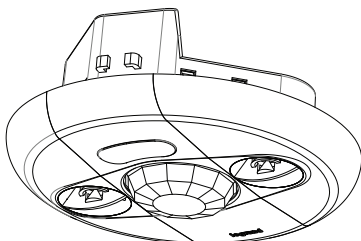
# Wattstopper®

DLM Dual Technology Ceiling Mount Occupancy Sensor (version 3)  
DLM Double Technologie Montage au Plafond Détecteur de Présence (v3)  
DLM Sensor de Ocupación con Doble Tecnología y Montaje en Techo (v3)  
Installation Instructions • Instructions d'Installation • Instrucciones de Instalación

No: 31781 – 11/21 rev. 1

## Catalog Number • Numéro de Catalogue • Número de Catálogo: LMDC-100

Country of Origin: Made in China • Pays d'origine: Fabriqué en Chine • País de origen: Hecho en China  
LMDC-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 Installation Guide provided with Wattstopper room controllers, and also available at [www.legrand.us/wattstopper](http://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.

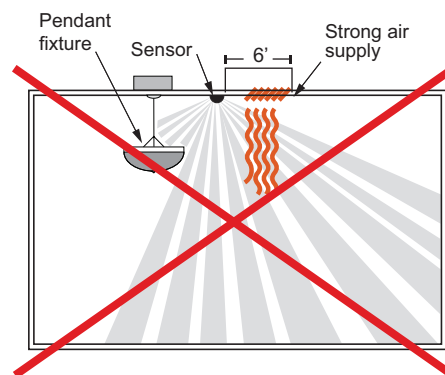
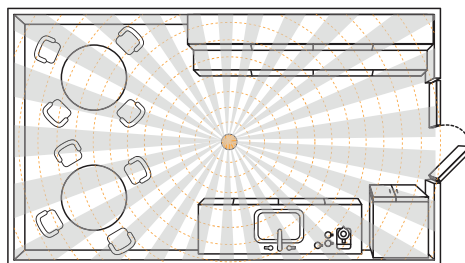
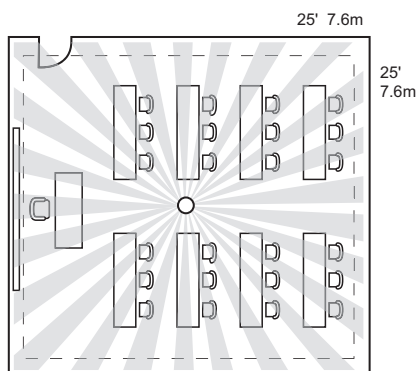
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

## SPECIFICATIONS

|                                                                                                                                                                                                                                   |                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| Voltage .....                                                                                                                                                                                                                     | 24VDC                       |
| Current Consumption .....                                                                                                                                                                                                         | 20mA                        |
| Power Supply .....                                                                                                                                                                                                                | Wattstopper Room Controller |
| Connection to the DLM Local Network.....                                                                                                                                                                                          | 2 RJ-45 ports               |
| DLM Local Network characteristics when using LMRC-11x/2xx room controllers:                                                                                                                                                       |                             |
| Low voltage power provided over Cat 5e cable (LMRJ); max current 800mA. Supports up to 64 load addresses, 48 communicating devices including up to 4 LMRC-10x series and/or LMPL-101 controllers. Free topology up to 1,000' max. |                             |
| 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)

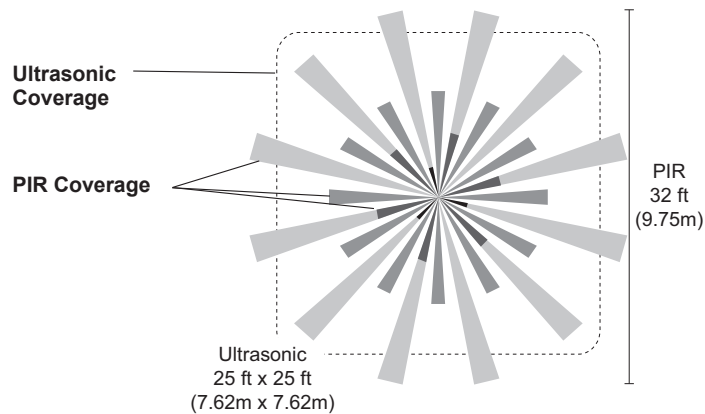


○ Sensor Capteur

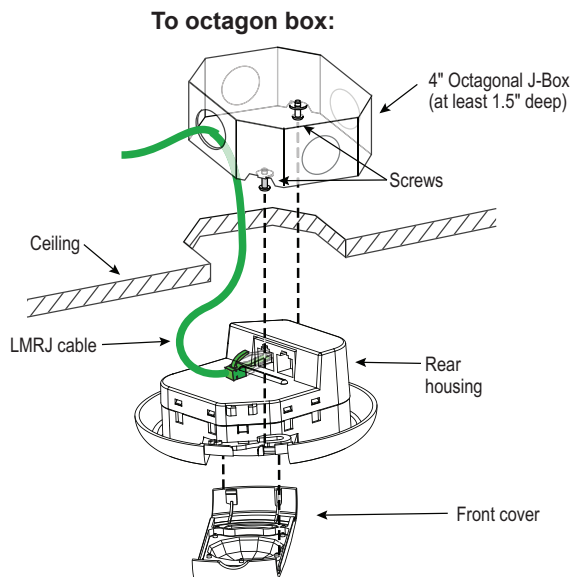
**Mount sensor at least 6' away from air supply. Avoid obstacles that block sensor's line-of-sight.**

## COVERAGE PATTERN

The LMDC-100 provides a 360° coverage pattern. The coverage shown represents maximum coverage for walking motion at a mounting height of 10 feet.

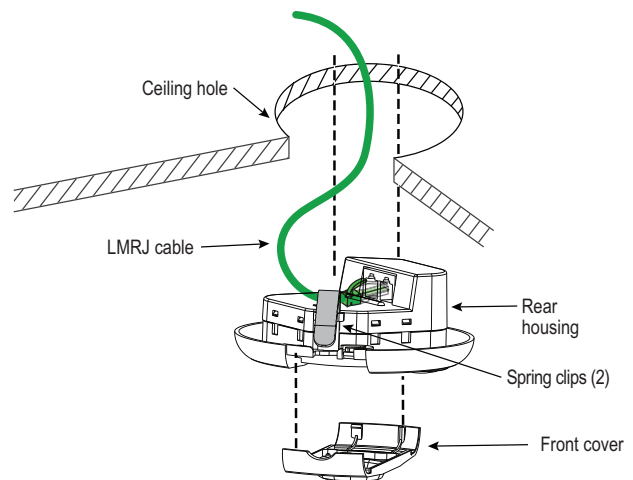


## MOUNTING



**For applications requiring plenum rating**

**Through ceiling tile:**

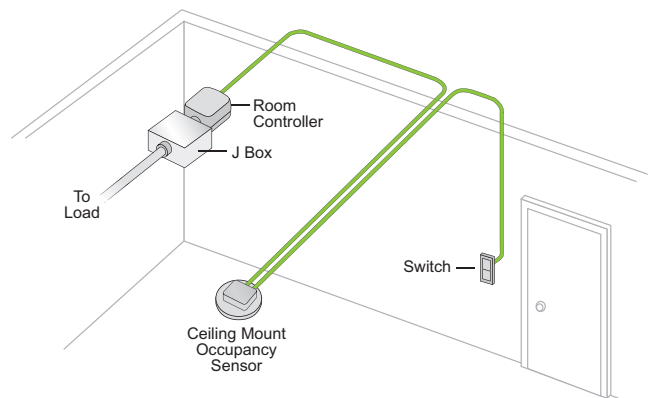
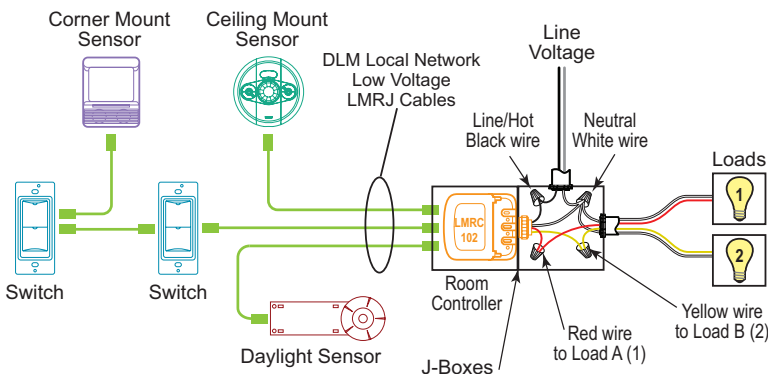


**No box required in non-plenum rated applications**

**WARNING:** A junction box used for sensor installation must not contain any Class 1, Class 3, or other power or lighting line voltage circuits.

## CONNECTIVITY

The illustrations below show examples of free-topology wiring. The LMDC-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.



## SETTING SENSOR PARAMETERS

To adjust the default sensor parameter settings:

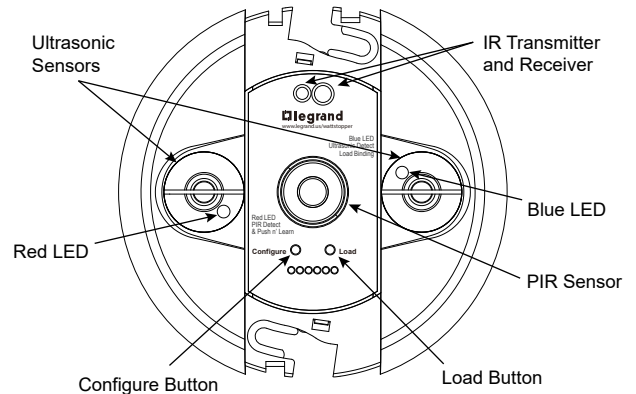
1. Remove the cover to expose the CONFIGURE and LOAD buttons.
2. Press the CONFIGURE button 3, 4, or 5 times to choose the setting to adjust (see the chart below). The button must be pressed the desired number of times within a 5 second period. The red LED will blink the same number of times that you pressed the CONFIGURE button, to confirm the setting you have chosen. The LED will blink, then will go off for about 5 seconds and then repeat the blinking sequence again.
3. After 5 seconds, the Blue LED will begin blinking a specified number of times, based on the current setting of the selected parameter (again, see the chart below). The LED will blink, then will go off for about 5 seconds and then repeat the blinking sequence again.
4. Press the LOAD button to change the value for that setting based on the values in the following chart. Each time you press the Load Button, it will advance to the next value and the number of times the Blue LED blinks will change to show the new value. After reaching the maximum value (six presses for Time Delay and eleven presses for PIR and Ultrasonic Sensitivity), a subsequent button press will wrap back to the one button press value.

**NOTE:** When you **first** press the LOAD button after selecting the parameter to edit, the number of initial button presses will go directly to that value. So for example, if Time Delay is currently at 20 minutes and you press the LOAD button twice, it will change to 10 minutes, **not** increase by two to 30 minutes. After that, each additional button press increases the value.

5. Once you have set the parameter as desired, press the CONFIGURE the same number of times as you did to select the parameter. The LMDC-100 will exit edit mode and the LED behavior will return to normal operation.

**NOTE:** You must press the CONFIGURE button the same number of times to exit edit mode. For example, if you press the button 4 times to edit PIR Sensitivity, pressing 3 times will **not** exit edit mode.

After exiting edit mode, you can press the CONFIGURE button again to choose a different parameter to edit.



|                     | Configure Button Presses |                      |                             |
|---------------------|--------------------------|----------------------|-----------------------------|
| Load Button Presses | 3<br>Time Delay          | 4<br>PIR Sensitivity | 5<br>Ultrasonic Sensitivity |
| 1                   | 5 minutes                | 10%                  | 10%                         |
| 2                   | 10 minutes               | 20%                  | 20%                         |
| 3                   | 15 minutes               | 30%                  | 30%                         |
| 4                   | 20 minutes               | 40%                  | 40%                         |
| 5                   | 25 minutes               | 50%                  | 50%                         |
| 6                   | 30 minutes               | 60%                  | 60%                         |
| 7                   |                          | 70%                  | 70%                         |
| 8                   |                          | 80%                  | 80%                         |
| 9                   |                          | 90%                  | 90%                         |
| 10                  |                          | 100%                 | 100%                        |
| 11                  |                          | 0% (Off)             | 0% (Off)                    |

Default Values Highlighted

## ENTERING TEST MODE

Test Mode allows you to quickly determine the coverage area of the LMDC-100 by setting Time Delay to 5 seconds. You can then move around till the sensor triggers the lights, then move out of range and wait 5 seconds (or until the lights turn Off) before trying again.

To Turn Test Mode On, press and hold the LOAD button for 3 to 10 seconds. To exit Test Mode, press and hold the LOAD button for 3 to 10 seconds again.

## DEFAULT SENSOR BEHAVIOR

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

\* AutoOFF 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.**



**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.**

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>LEDs don't light.</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>                                                                                                                                                                                                                                                                                                                                                                                                                                |

## INSTRUCTIONS EN FRANÇAIS

Cet appareil est pré-réglé pour un fonctionnement Plug n' Go<sup>MC</sup> et son réglage est optionnel.

Pour connaître tous les détails opérationnels, les réglages et les fonctions supplémentaires du produit, consulter le guide d'installation du système DLM fourni avec Wattstopper contrôleurs de pièce et aussi disponible au [www.legrand.us/wattstopper](http://www.legrand.us/wattstopper).

**L'installation doit être effectuée conformément à tous les règlements ainsi qu'aux codes locaux et de la NEC en vigueur.**

Les raccordements de fils doivent être classés comme pouvant convenir au calibre du fil (fil de sortie et de bâtiment) utilisé.

Pour les dispositifs DLM de classe 2 et le câblage du dispositif: Doit être connecté à une source d'alimentation de classe 2 seulement. Ne pas reclasser et installer en tant que classe 1 ou en tant que fil d'alimentation ou d'éclairage.

## CARACTÉRISTIQUES

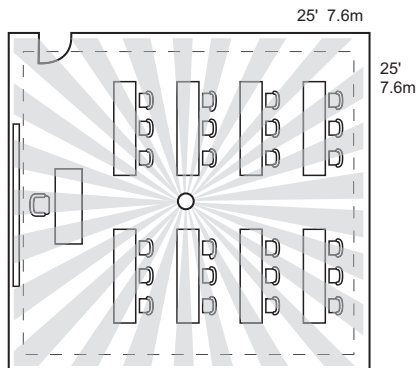
|                                                                                                                         |                                              |
|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| Tension .....                                                                                                           | 24 V CC                                      |
| Consommation de courant .....                                                                                           | 20 mA                                        |
| Alimentation électrique.....                                                                                            | Contrôleur de pièce Watt Stopper/Legrand     |
| Raccordement au réseau DLM local.....                                                                                   | 2 ports RJ-45                                |
| Caractéristiques du réseau DLM local :                                                                                  |                                              |
| Alimentation basse tension via un câble de catégorie 5 (LMRJ).                                                          |                                              |
| Prise en charge de 24 périphériques de communication comprenant 4 LMRC-10x ou LMPL-101 max sur chaque réseau DLM local. |                                              |
| Une topologie libre supportant jusqu'à 305 m (1 000 pi) de câble basse tension.                                         |                                              |
| Environnement .....                                                                                                     | Pour une utilisation en intérieur uniquement |
| Température de fonctionnement .....                                                                                     | 0 à 55 °C (32 à 131 °F)                      |
| Température de stockage .....                                                                                           | -5 à 80 °C (23 à 176 °F)                     |
| Humidité relative .....                                                                                                 | 5 à 95 % (sans condensation)                 |
| Brevets en attente                                                                                                      |                                              |

Ce dispositif est conforme à la section 15 des règlements de la FCC. On peut s'en servir sous réserve des deux conditions suivantes.

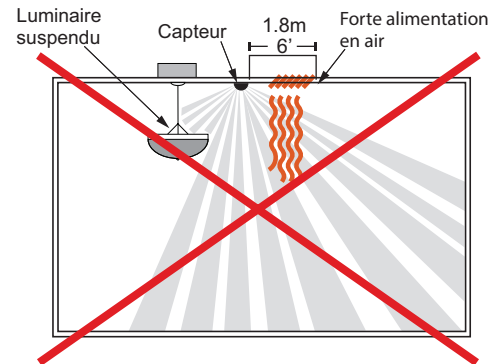
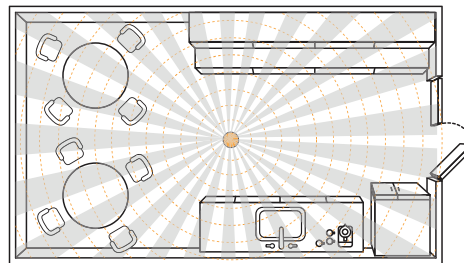
1) Ce dispositif ne provoque pas d'interférences nuisibles; 2) Il doit être en mesure d'accepter toute interférence reçue, y compris les interférences qui peuvent causer un fonctionnement indésirable.

**REMARQUE:** Ce matériel a été mis à l'essai et a été jugé conforme aux limites d'un dispositif numérique de classe A, conformément à la section 15 des règlements de la FCC. Ces limites visent à offrir une protection raisonnable contre les interférences nuisibles dans un environnement commercial. Ce matériel génère, utilise et peut émettre des radiofréquences et, s'il n'est pas installé ou utilisé conformément aux directives, peut causer des interférences nuisibles aux communications radio. L'utilisation de cet équipement dans une zone résidentielle est susceptible de provoquer des interférences nuisibles, dans un tel cas l'utilisateur devra corriger les interférences à ses frais.

## EMPLACEMENT DU DÉTECTEUR (HAUTEUR MAXIMALE DE 3 M (10 PI))



○ Sensor Capteur



Installez le capteur à une distance minimale d'1,80 m (6 pi) d'une arrivée d'air. Supprimez tous les obstacles qui pourraient bloquer la zone de détection du capteur.

## PORTÉE

Le LMDC-100 a une portée à 360°. La couverture illustrée représente la couverture maximale pour un mouvement de marche avec le capteur monté à 3 m (10 pi) de hauteur.

