



Wattstopper®

Digital Lighting Management Plug Load Controller

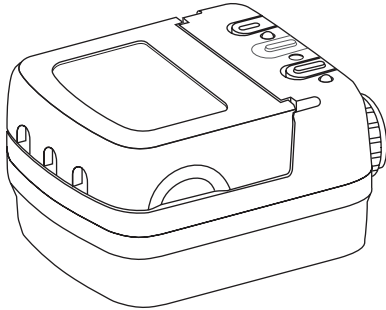
No: 24045 – 2/24 rev. 4

Installation Instructions • Instructions d'Installation • Instrucciones de Instalación

Catalog Number • Numéro de Catalogue • Número de Catálogo: LMPL-101

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

LMPL-101-U is BAA and TAA compliant (Product produced in the U.S.)



SPECIFICATIONS

Input Voltage	120VAC, 50/60Hz
Output Capacity.....	150mA @24VDC
Power Supply	Wattstopper Room Controller
Connection to the DLM Local Network.....	3 RJ-45 ports
DLM Local Network characteristics when using LMPL-101 plug load controllers:	
Low voltage power provided over Cat 5e cable (LMRJ); max current 800mA.	
Supports up to 64 load addresses, 24 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	

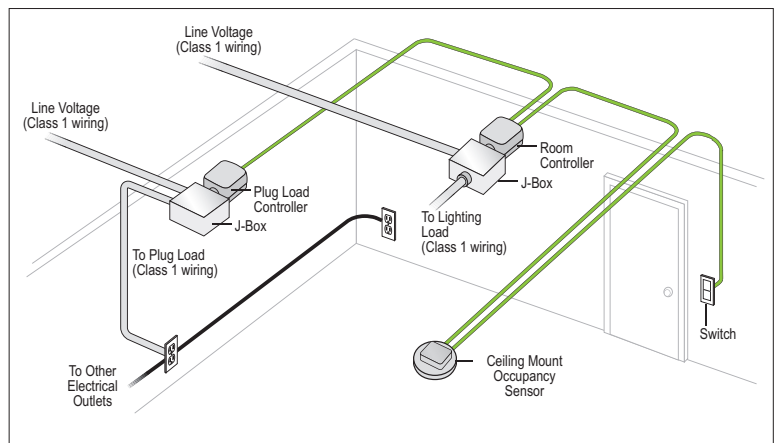
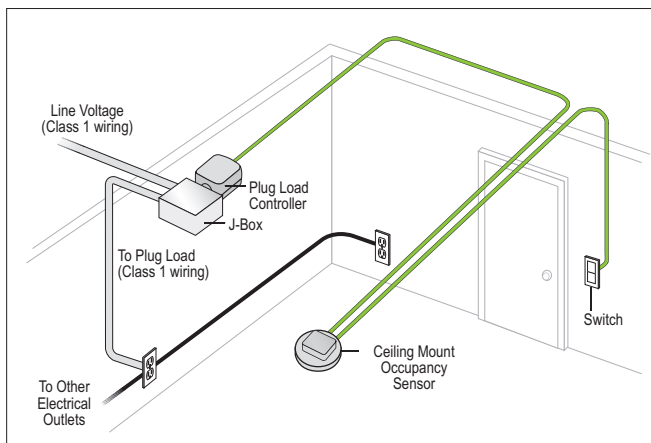
This unit is pre-set for Plug n' Go™ operation, adjustment is optional.

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.

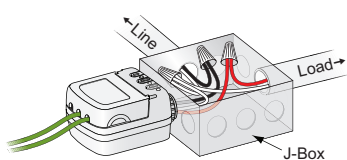
Installation shall be in accordance with all applicable regulations, local and NEC codes. Wire connections shall be rated suitable for the wire size (lead and building wiring) employed.

For Class 2 DLM devices and device wiring: To be connected to a Class 2 power source only. Class 2 Output Suitable for Parallel Interconnection Up to 10 Units Maximum – See Wiring Diagram. Do not reclassify and install as Class 1, or Power and Lighting Wiring.

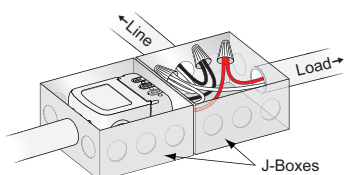
PLACEMENT EXAMPLES



MOUNTING THE CONTROLLER



Outside a 4" x 4" box



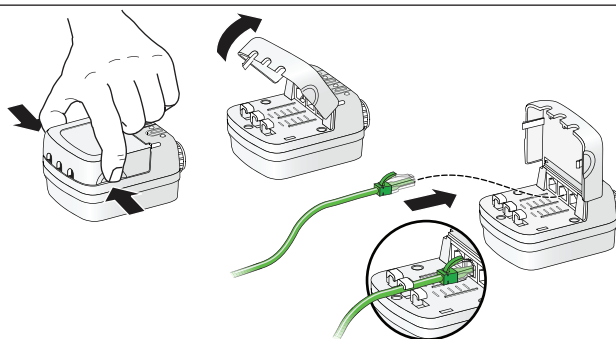
Inside a 4" x 4" box



WARNING: TURN THE POWER OFF AT THE CIRCUIT BREAKER BEFORE WIRING.



ATTACHING CABLES



Remove rubber jack covers if using all 3 RJ45 receptacles. Leave covers in place for all unused receptacles.

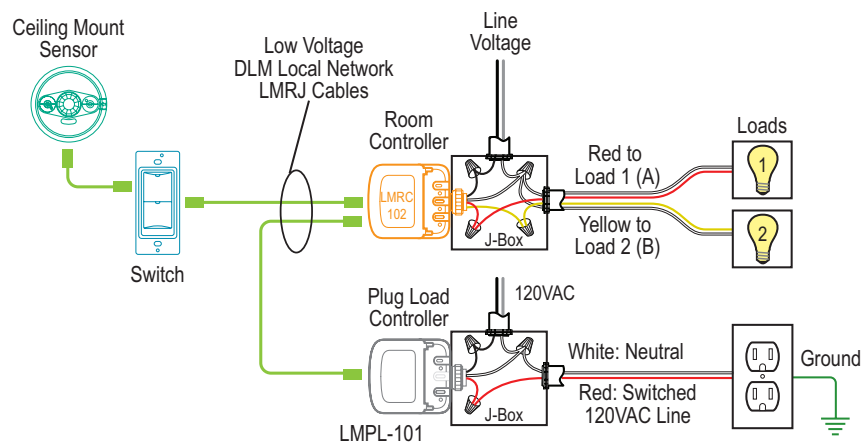
CONNECTIVITY

The LMPL-101 communicates with all other DLM devices connected to the DLM local network. Connection drawings are for example only. The low voltage LMRJ cables can connect to any DLM device with an open RJ45 receptacle.

All line voltage wiring is #12 AWG.



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.

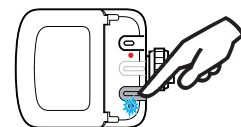


PLUG N' GO OPERATION (PNG)

The plug load circuit connected to the LMPL-101 is automatically controlled by all occupancy sensors on the DLM local network. After the last occupancy sensor's time delay expires, or when a switch button bound to the LMPL-100 is operated, the LMPL-101 shuts off the plug load circuit.

Load ON/OFF button

Blue LED ON when load is ON



UNIT ADJUSTMENT - PUSH N' LEARN

Load Selection Procedure

Before testing or adjusting the DLM local network load configuration, plug a lamp or radio into one of the electrical outlets on the controlled plug load circuit.

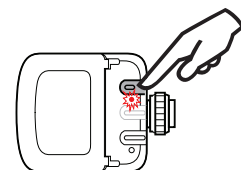
A configuration button (Config) allows access to our patented Push n' Learn™ technology to change binding relationships between sensors, switches and loads.

Step 1 Enter Push n' Learn.

Press and hold the Config button (on any DLM device) for 3 seconds.

The red LED on the LMPL-101 begins to blink faster (2x per second) as does the red LED on ALL other communicating devices connected to the DLM local network.

The red LEDs continue to blink until you exit PnL mode.



Config button & red LED

All loads in the room turn **OFF** immediately after entering PnL, then one load will turn **ON**. This is Load #1, which is bound to switch button #1 and occupancy sensors as part of the Plug n' Go factory default setting. **All switch buttons and sensors that are bound to this load have their blue LED solid ON.**

Step 2 Load selection.

Press and release the Config button to step through the loads connected to the DLM local network. As each load turns **ON** note the devices (switch buttons and sensors) that are showing a bright solid blue LED. These devices are currently bound to the load that is **ON**. The blue LED on the room controller or plug load controller connected to the load is also lit.

- To **unbind** a switch button from a load, press the switch button while its blue LED is **ON** bright. The blue LED goes dim to indicate the button no longer controls the load that is currently **ON**.
- To **unbind** an occupancy sensor, press the up (▲) or down (▼) adjustment button while its blue LED is **ON**. The blue LED turns **OFF** to indicate the sensor no longer controls the load that is currently **ON**.
- Pressing the switch or up (▲) or down (▼) button again while the load is **ON** **rebinds** the load to the button or sensor and the blue LED illuminates brightly.

Step 3 Exit Push n' Learn.

Press and hold the Config button until the red LED turns **OFF**, approximately 3 seconds.

TROUBLESHOOTING

Loads do not operate as expected.

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

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