

LMDM-101

Digital Lighting Management

Low Voltage Dimming Wall Switch

Quick Start Guide

**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 Dimming System Addendum at www.wattstopper.com

Installation shall be in accordance with all applicable regulations, and codes.

To be connected to a Class 2 power source only.

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

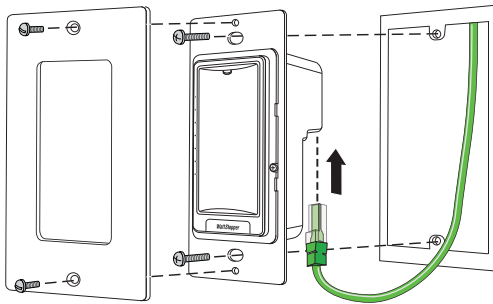
Wire connections shall be rated suitable for the wire size (lead and building wiring) employed.



SPECIFICATIONS

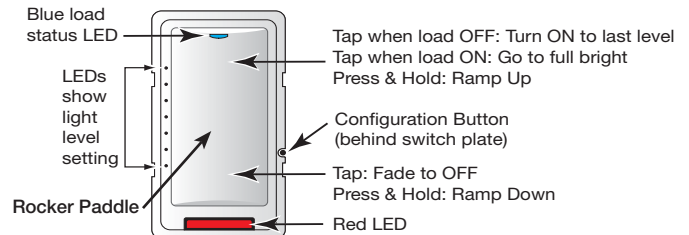
Voltage	24VDC
Current Consumption.....	5mA
Power Supply.....	WattStopper Room Controller
Connection to the DLM Local Network.....	2 RJ-45 ports
DLM Local Network Characteristics using LMRC-2xx/3xx room controllers:	
Low voltage power provided over Cat 5e cable (LMRJ); max current 800mA.	
Supports up 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	

MOUNTING



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

BUTTONS AND INDICATORS

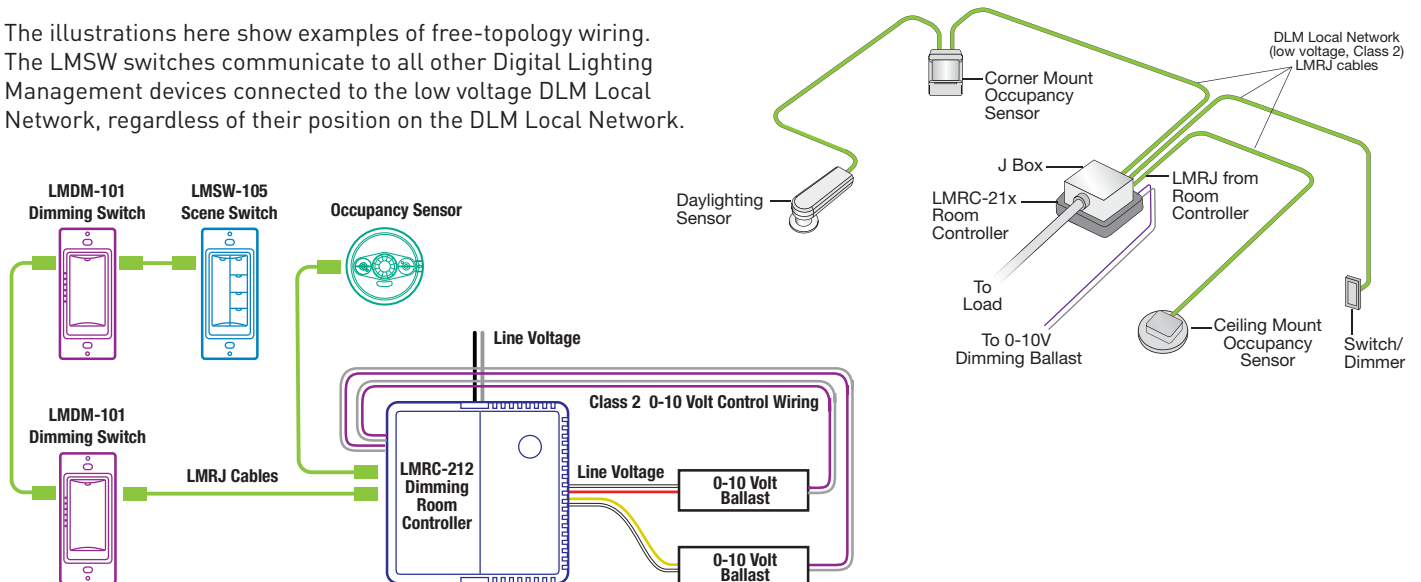


When all loads bound to the dimmer are OFF, the Blue load status LED is dim. A single light level LED is lit to show the last light level.

When any load bound to the dimmer is ON the load status LED is bright. The number of illuminated light level LEDs indicates the highest light level on any of those loads.

CONNECTIVITY

The illustrations here 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.

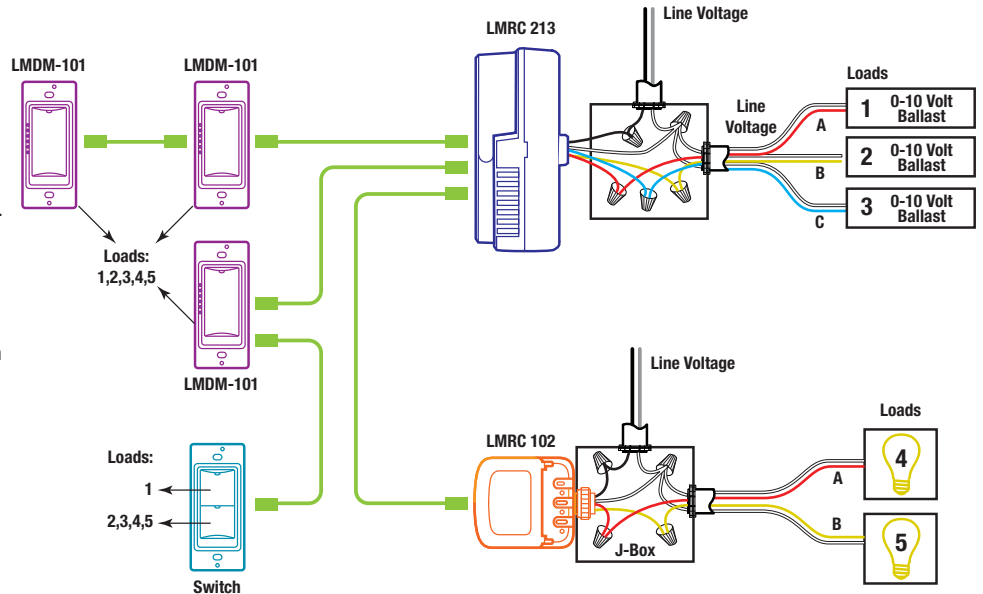


PLUG n' GO OPERATION (PnG)

All loads are automatically bound to the LMDM-101.

The rocker paddle on the LMDM-101 controls all loads on the DLM Local Network. Tap the top of the rocker to turn ON all loads to the last light level. Tap the bottom to turn OFF all loads. Dimmable loads dim (ramp down or up) in response to a press and hold of the appropriate portion of the rocker paddle. Switched loads turn OFF when ramped down below 50% and turn ON when ramped up above 50%.

To change the loads controlled by the LMDM-101 see UNIT ADJUSTMENT.



UNIT ADJUSTMENT - PUSH n' LEARN (PnL)

Load Binding 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: Enter Push n' Learn

Using a pointed tool, press and hold the configuration button for 3 seconds, until the Red LED on the switch begins to blink.

When you release the switch's configuration button, the red LED on other communicating DLM Local Network devices begins to blink.

The DLM Local Network is now in PnL mode. The Red LEDs continue to blink until you exit PnL mode.

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 Blue LED will be ON for all devices that are bound to this load.**



Step 2: Load selection

To step through the loads connected to the DLM Local Network, press and quickly release the configuration button. The first press turns OFF load 1 and turns ON load 2. The next press turns OFF load 2 and turns ON load 3, and so forth. As each load turns ON note which devices (switch buttons, sensors, etc.) are showing the blue LED. These devices are currently bound to the load that is ON.

To **unbind** a switch button or rocker paddle from a load, press the switch button or tap the rocker paddle while its blue LED is ON. The blue LED turns OFF to indicate the device no longer controls the load that is currently ON.

Pressing the switch button or rocker paddle again while the load is ON **rebinds** the load to the device and the blue LED illuminates.



Step 3: Exit Push n' Learn

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

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.

Switch button or rocker paddle LEDs 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 room controller. • If high voltage connections are good and high voltage is present, recheck DLM Local Network connections between the device and the room controller.
The wrong lights are controlled	<ol style="list-style-type: none"> 1. Configure the switch buttons and rocker paddle to control the desired lights using the Push n' Learn adjustment procedure.
Button or rocker paddle doesn't actuate	<ol style="list-style-type: none"> 1. Make sure the switch or dimmer frame and button are assembled properly. 2. Make sure that the wall plate is not pinching the frame.
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 controller.