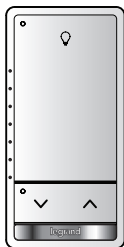


Catalog Numbers • Les Numéros de Catalogue • Los Números de Catálogo: LMSW-210, LMSW-211, LMSW-220, LMSW-222, LMSW-241, LMSW-250

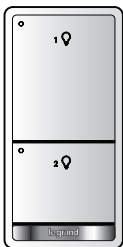
Country of Origin: Made in China • Pays d'origine: Fabriqué en Chine • País de origen: Hecho en China  
Models ending in -U are BAA and TAA compliant (Product produced in the U.S.)



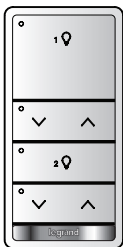
LMSW-210



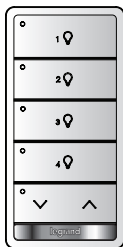
LMSW-211



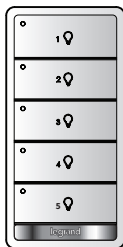
LMSW-220



LMSW-222



LMSW-241



LMSW-250

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

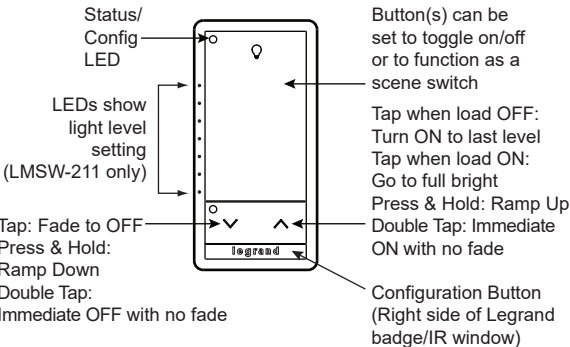
For full operational details, adjustment and more features of the product, see the DLM System Installation Guide provided with Wattstopper room controllers, and also available at [www.legrand.us/wattstopper](http://www.legrand.us/wattstopper).

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.

Do not apply cleaning solvent directly onto unit. Apply cleaning solvent onto a cloth, then wipe the unit to clean it.

BUTTONS AND INDICATORS



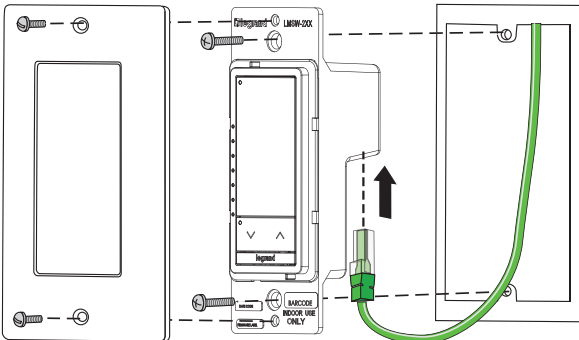
**Active Dim function:** When a scene button on any switch is tapped, rockers in the room will temporarily be assigned to the loads assigned to that button (if the rocker is not already assigned to them), thereby allowing the user to dim the selected scene. The switch LED flashes to indicate status. 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.

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 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                                                                                                                                                                                    |                             |

MOUNTING THE SWITCH



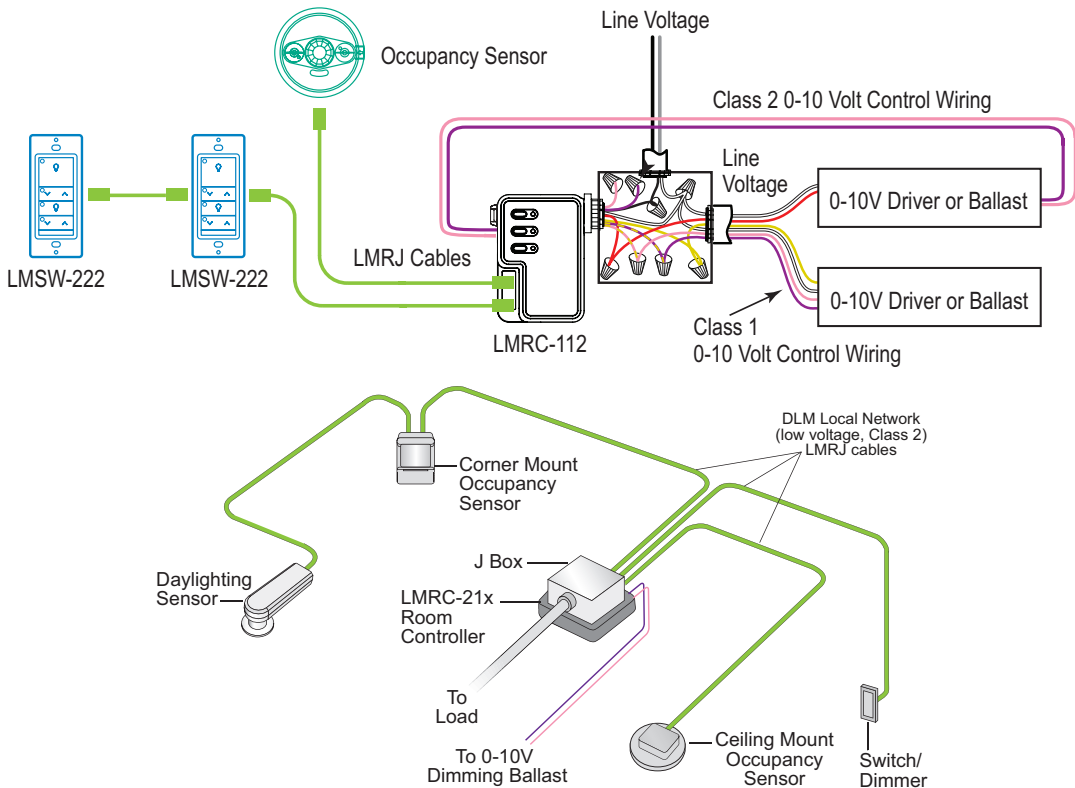
**WARNING:** Do not install to cover a junction box having Class 1, 3 or Power and Lighting Circuits.



**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.



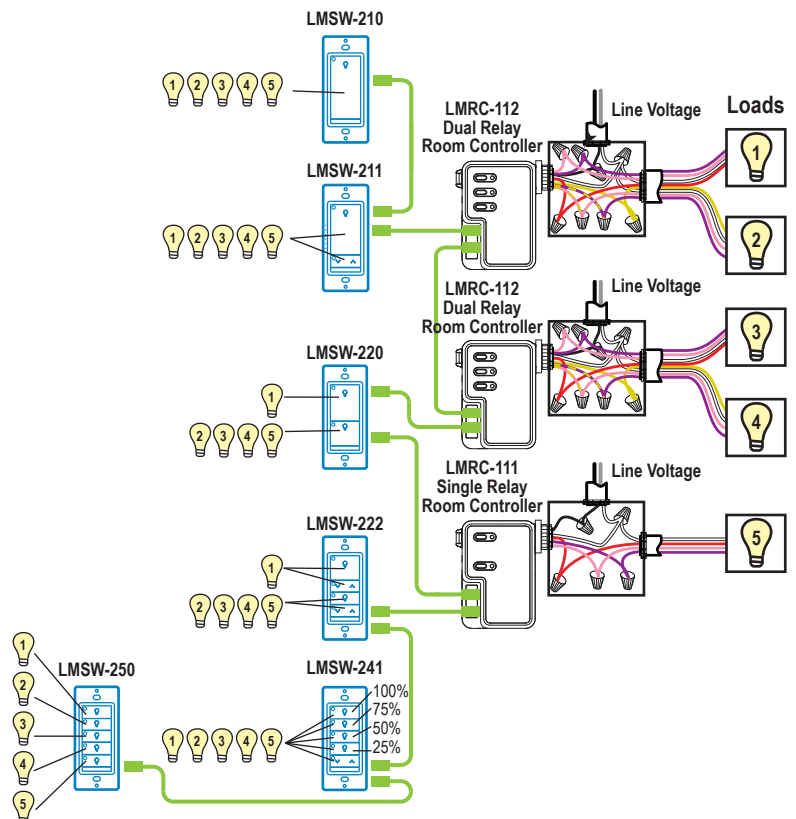
## PLUG N' GO OPERATION (PNG)

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



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

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### 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.

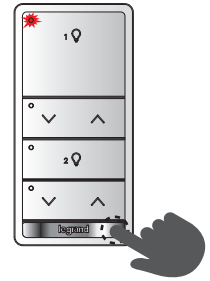
#### Step 1 Unlock Configuration Button

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).

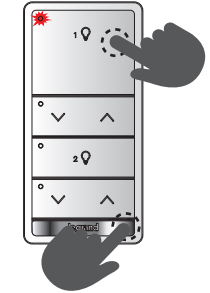
To check if it is unlocked, press the configuration button on the right-side of the Legrand badge.

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.

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