

WIRELESS PLUG LOAD CONTROLLER

LMPL-611-20M



- Built-in IPv6 Mesh and Bluetooth® low energy technology antennas provide robust signal strength and reliable communication
- Accepts occupancy sensor signal for energy saving control of plug loads
- Uses IPV6 Mesh to establish network communication with all DLM wireless devices
- Plenum-rated controller with line voltage relay and switching power supply
- Commissioning using DLM Configuration App

DESCRIPTION

LMPL-611-20M Plug Load Controllers include a 20 amp relay for on/off control of connected outlets, and a high-efficiency switching power supply. They enable energy-efficient control of plug loads as a part of the Wattstopper Digital Lighting Management (DLM) system.

OPERATION

The LMPL-611-20M Plug Load Controller operates on 120 volts and communicates with wireless sensors, wireless room controllers and/or wireless switches. It communicates via a self formed wireless IPv6 mesh network to sensors and switches in DLM local network. Once installed it forms a wireless mesh network by automatically connecting to the edge DLM devices in the room (wireless DLM switches and sensors) drastically reducing installation time and eliminating wiring errors. Plug n' Go commissioning is then accomplished through one of two options:

1. **DLM Configuration App** available for iOS® or Android®. Simply walk through the on screen prompts to connect and configure wireless DLM devices in the room. Plug n' Go automatic configuration assigns all loads connected to dimming room controllers to the dimming switch upon system startup.
2. **Push-to-Pair** – Press the “config” button on each wireless device in the room to pair them together.

After commissioning, Plug n' Go automatically configures system components for the most energy-efficient operation. Once powered up, Plug n' Go automatically configures system components for the most energy-efficient operation. The plug load controllers then switch controlled outlets on and off in response to input from any communicating occupancy sensors. The DLM system may be reconfigured using Push n' Learn without the need for tools or a PC.



PLUG N' GO AUTOMATIC CONFIGURATION

DLM room controllers manage Plug n' Go automatic system configuration, which establishes functionality based on the installed components. Each LMPL-611-20M includes a Bluetooth low energy technology radio to communicate with the DLM Configuration App on the installer's mobile device, instead of configuring settings using the LMCT-100 IR remote.

Plug Load Controllers are initially controlled by all the occupancy sensors on the DLM local network, and default to automatic on/off operation whether or not there is a switch on the local network. DLM system operation may be reconfigured using Push n' Learn. As an example, a selected switch button may be bound to a plug load controller for manual-off control of outlets. Similarly, the plug load controller could be bound only to selected occupancy sensors.

APPLICATIONS

LMPL-611-20M Plug Load Controllers should be installed to switch outlets used for task lighting and non-essential equipment in private offices, open offices, lunch rooms and break rooms and other areas in commercial buildings.

PROJECT

LOCATION/
TYPE

FEATURES

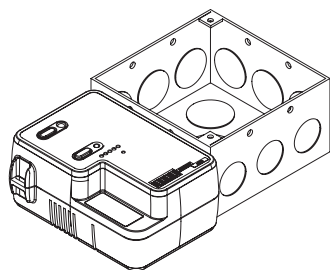
- Component of the wireless Digital Lighting Management integrated control system
- Robust and reliable BACnet IPv6 Mesh Network based on open standards & protocols
- Device Validation: Trusted hardware chips prevent outside devices from connecting to the lighting control network
- Zero touch provisioning: Pre-loaded digital identity and security profile increases system security level
- Ongoing AES encryption: Communication between devices is protected by AES128 symmetric key encryption
- Multiple options for commissioning: the DLM Configuration App for iOS or Android, Push n' Learn
- Firmware can easily be updated over the air using the DLM Configuration App via Bluetooth low energy technology
- Internal antennas with diversity provide robust signal strength and reliable communication
- Integral current monitoring of connected load
- IPv6 Mesh wireless standard delivers reliable, long range, low latency wireless communication that is scalable for a single room with up to 48 loads or devices"
- Plug n' Go™ automatic configuration for quick installation and maximum energy savings Push n' Learn™ functionality for personalization without the need for tools or a PC
- On/Off local override button for each load
- Blue LED for load status
- Load On/Off local override button
- Zero-crossing circuitry for each relay for reliability and increased product life
- UL 2043 plenum rated
- The product meets the materials restrictions of RoHS

SPECIFICATIONS

- Input Voltage: 120VAC, 50/60Hz
- Load Requirements: Ballast, E-ballast, or incandescent: 20A
Motor load: 1Hp
- Connection to DLM Network: Wireless IPv6 Mesh
- Wireless Standards supported:
 - IPv6 Mesh (6LoWPAN / 802.15.4 / 2.4GHz), range up to 100 ft.
 - Bluetooth low energy (802.15.4 / 2.4GHz), range up to 30 ft.
- Device Security: Factory provisioned trusted hardware
- Wireless Encryption: AES 128-bit symmetric key
- Built-in Antennas: IPv6 Mesh and Bluetooth low energy
- DLM local network parameters:
 - Up to 48 loads
 - Up to 48 communicating devices
- Operating conditions: for indoor use only; 32-140°F (0-60°C); 5-95% RH, non-condensing
- UL and cUL listed (E101196)
- FCC part 15 compliant
- Five year warranty

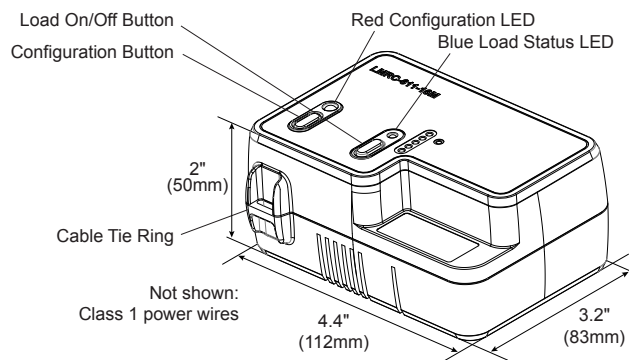
MOUNTING & CONTROLS

Mounting

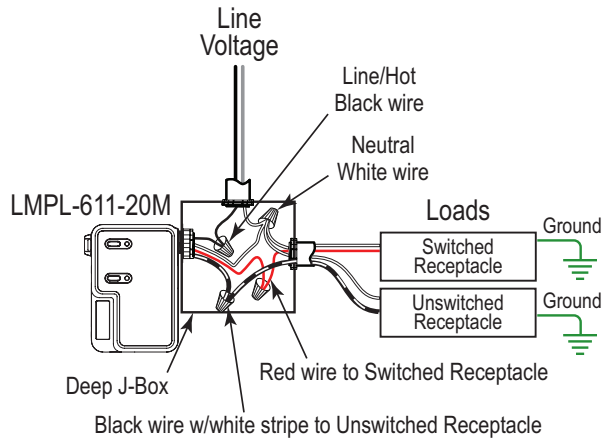


Mount to 1/2" KO on a deep J-box

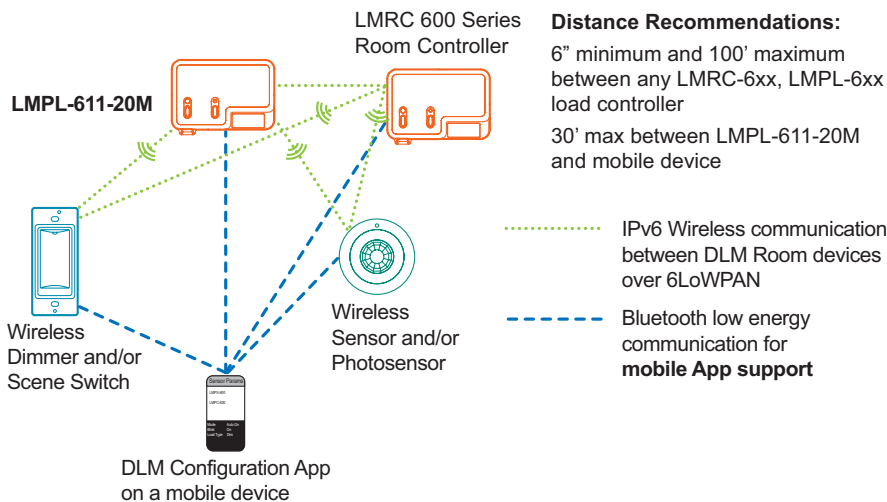
Controls and Dimensions




WIRING



WIRELESS CONNECTION



ORDERING INFORMATION

Catalog #	Description	Voltage	Total Rating
 LMPL-611-20M	1 Relay Wireless Plug Load Controller, with metering	120VAC	20A ballast, E-ballast or incandescent

The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and any use of such marks by Wattstopper is under license.

Google Play and the Google Play logo are trademarks of Google Inc.

The Apple logo, iPhone, iPod touch, and iTunes are trademarks of Apple Inc., registered in the U.S. and other countries.