

# **WattStopper LMRC-110 SERIES 0-10V DIMMING ROOM CONTROLLERS (LMRC-111, LMRC-112)**



WattStopper LMRC-110 SERIES 0-10V DIMMING ROOM CONTROLLERS (LMRC-111, LMRC-112). LMRC-110 series room controllers include one or two relay(s) to switch a total of 10 amps, a high-efficiency switching power supply and dual 0-10 volt outputs per relay for control of dimmable loads including compatible LED drivers or electronic ballasts. They are the foundation of a Digital Lighting Management (DLM) system, and allow integration of occupancy sensors, daylighting controls and switches for energy-efficient control.

LMRC-110 series room controllers operate on one 120 or 277 volt, 10 amp feed and provide Class 2 power to sensors and switches via the DLM local network. Once powered up, Plug n' Go automatically configures system components for the most energy-efficient operation. The room controllers then dim or switch lighting or motor loads in response to input from the communicating devices. When a dimming input is received, the relay switches on when the dimmed level rises above zero, and off when it reaches zero, to coordinate control of power and the 0-10 volt signal to the load. They also monitor the current draw of the total connected load. Each room controller stores up to

16 scene preset levels for each dimmed output.

## Features

- Push n' Learn™ functionality for personalization without the need for tools or a PC
- Digital Lighting Management components plug together on a free-topology Cat 5e DLM local network eliminating wiring errors
- On/Off/Dim local override button for each load
- LED indicates status of each load
- Optional lamp burn in; 12 or 100 hours
- Optional instantaneous current and voltage measurement of total connected load
- 2 RJ45 ports; molded cable tie ring for strain relief
- Zero-crossing circuitry for each relay for reliability and increased product life
- UL 2043 plenum rated
- This product meets the materials restrictions of RoHS
- U.S.-made models available for public works projects

## Specifications

- Voltage: 120/277VAC; 50/60Hz
- Maximum 10A combined load per Room Controller; each relay rated for 10A ballast, E-ballast or incandescent
- Galvanically isolated Class 1 pigtails and Class 2 terminals for 0-10VDC signal; sinks up to 50mA per output (Class 1/Class 2) per channel for control of compatible ballasts (25 if each sources 2mA)
- Intelligently controlled Class 2 output to DLM local network: 24VDC, up to 150mA across 2 RJ45 ports
- DLM local network parameters:
  - Maximum current: 800mA
  - Category 5e cable: 150' per device to 1,000' max.
  - Up to 64 loads
  - Up to 48 communicating devices
  - Maximum 4 LMPB-100, LMPL-101 or LMRC-100 Series Room

## Controllers

- Requires LMCS 4.5.1, Segment Manager 2.1.23, or LMCT 5.24 (or later)
- Operating conditions: for indoor use only; @120/277V: 32-131°F (0-55°C); 5-95% RH, non-condensing
- UL and cUL listed (E101196)
- FCC part 15 compliant
- Five year warranty

For other items like the WattStopper LMRC-110 SERIES 0-10V DIMMING ROOM CONTROLLERS [click here](#).

For more information on WattStopper's line of lighting control solutions [click here](#).