

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](#).