L legrand

DLM DMX CONTROLLER

LMSI-DMX

Provides DMX control for a single set of loads sharing up to 6 channels

Color Picker palette available for RGB/RGBW DMX fixture types

Native DLM solution for controlling DMX fixtures

Class 2 device powered from DLM local network

Each channel is addressable to meet fixture control needs

Plug n' Go™ automatically connects module with all devices on DLM local network

RoHS

DESCRIPTION

The LMSI-DMX Controller provides up to 6 channels of DMX control for a single fixture or a single load of multiple fixtures. As a native Digital Lighting Management (DLM) device, the LMSI-DMX enables easy integration of DMX fixtures into a DLM room solution.

OPERATION

The LMSI-DMX Controller operates on Class 2 power supplied over a DLM local network by one or more DLM room controllers. It is connects to the In-Room Bus (IRB) free-topology network at any convenient location using standard LMRJ cables, and provides terminals for connecting DMX-compatible RS-485 cable to one or more DMX lights. The LMSI-DMX supports up to 6 channels and supports RGB, RGBW, and tunable white color control scenes.

The LMSI-DMX channels follow DLM's Plug n' Go operation to confirm proper wiring. Programming is then required to configure the desired operation.

APPLICATIONS

The LMSI-DMX Controller is ideal for a single set of RGB or CCT color controlled fixtures in applications such as patient rooms, lobbies, cafeterias, and spaces with cove or wall facade lighting. Multiple LMSI-DMX Controllers may be used on a single IRB for separate control of DMX fixtures; however, they must remain independent of each other on the DMX bus.

The LMSI-DMX device operates strictly as a DMX controller without RDM functionality, providing precise, integrated control of color and intensity within the DLM system.

FEATURES

- Component of the Digital Lighting Management integrated control system
- Capable of communicating all its settings over an optional room-to-room network allowing it to be programmed via DLM LMCS software
- Easy integration with a set of fixtures that have the same set of addresses up to 6 channels
- Color picker palette available in LMCS software or LMGS Graphic Switch.

- May be controlled by DLM daylight sensors
- Scene recall for DMX fixtures via occupancy, local switches, or time-clock signal
- Class 2 operation and plenum-rated housing facilitate simple installation
- DIN rail mounting bracket provided with the unit to facilitate box or panel mounting
- UL 2043 plenum-rated
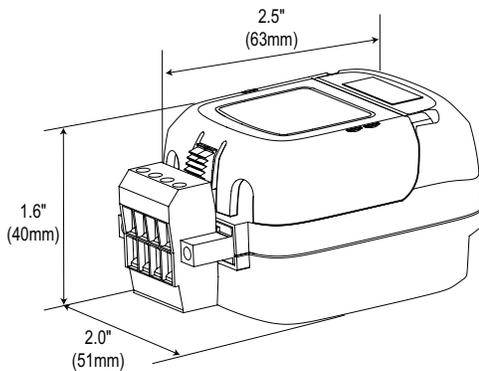- This product meets the materials restrictions of RoHS

PROJECT		LOCATION/TYPE	

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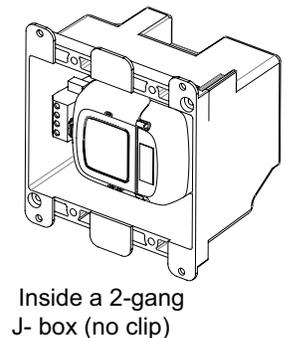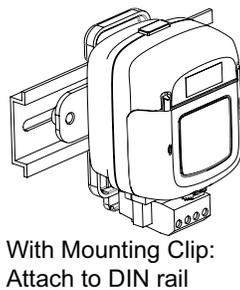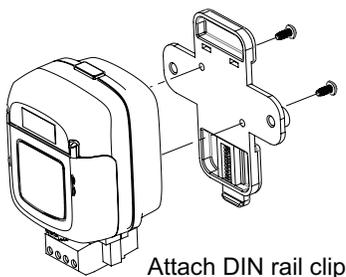
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SPECIFICATIONS

- Operating voltage: 24VDC from DLM local network

- Current consumption: 30mA

- Power supply: Wattstopper Load Controllers (LMRC-XXX, LMPL-XXX, LMPB-100, , LMZC-301, and LMCP Panels)

- DMX channels follow DLM load limitations

- DMX fixture parameters:
  - DMX standard wire: RS-485
  - Up to 31 fixtures all assigned to the same set of addresses on a single controller

- Operating conditions: for indoor use only; 32-158°F (0-70° C); 1-95% RH, non-condensing

- UL and cUL listed

- FCC part 15 compliant

- RoHS Compliant

- Five year warranty

DIMENSIONS
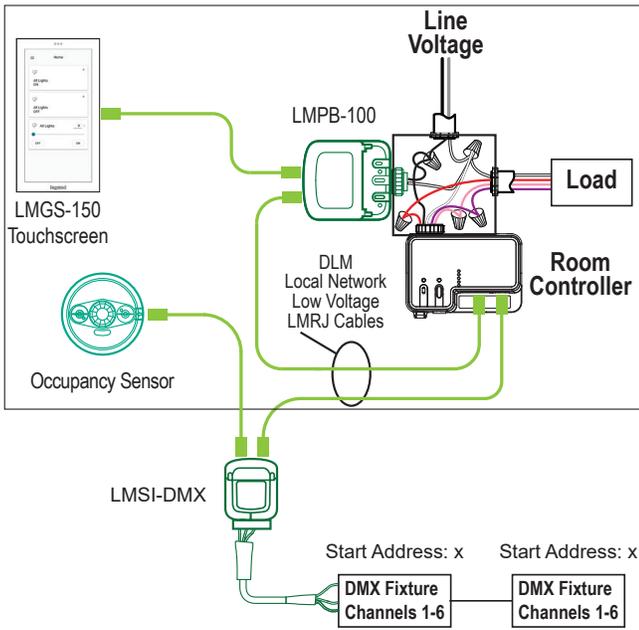

2.5" (63mm)

1.6" (40mm)

2.0" (51mm)

MOUNTING

With the included mounting clip, the LMSI-DMX can be mounted to a DIN rail, or directly to a wall. Additionally, the unit can be mounted inside a 2-gang J-box.
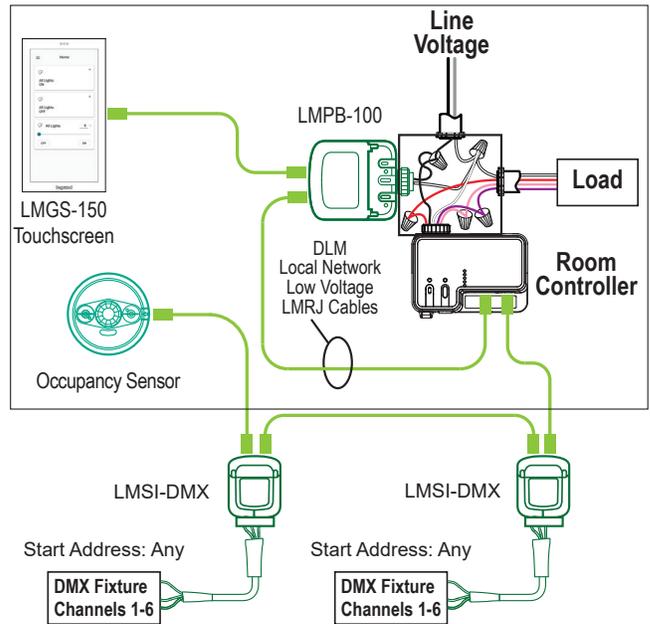

Attach DIN rail clip

With Mounting Clip: Attach to DIN rail

With Mounting Clip: Mount to wall

Inside a 2-gang J- box (no clip)

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TYPICAL WIRING CONNECTIONS

DLM Lighting Room with Two DMX Fixtures on One Load

Line Voltage

LMPB-100

Load

LMGS-150 Touchscreen

DLM Local Network Low Voltage LMRJ Cables

Room Controller

Occupancy Sensor

LMSI-DMX

Start Address: x | Start Address: x

DMX Fixture Channels 1-6 | **DMX Fixture Channels 1-6**

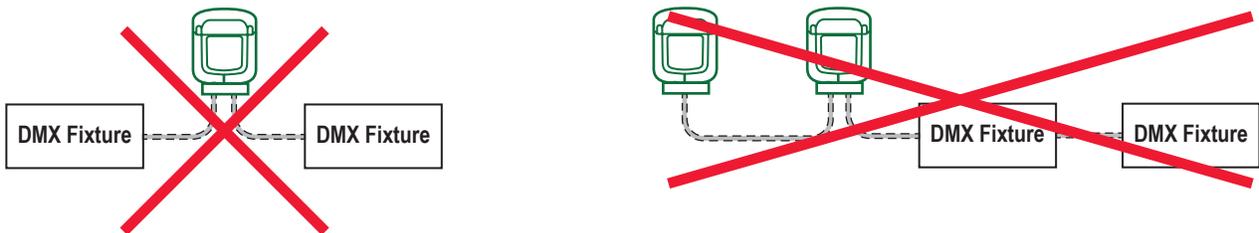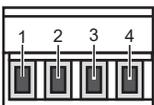**NOTE:** In this application, multiple DMX fixtures must share the same start address and will operate under the same control.

DLM Lighting Room with Two DMX Loads

Line Voltage

LMPB-100

Load

LMGS-150 Touchscreen

DLM Local Network Low Voltage LMRJ Cables

Room Controller

Occupancy Sensor

LMSI-DMX | LMSI-DMX

Start Address: Any | Start Address: Any

DMX Fixture Channels 1-6 | **DMX Fixture Channels 1-6**

Unsupported Wiring Applications

DMX Fixture ---- DMX Fixture

DMX Fixture ---- DMX Fixture

NOTE: The LMSI-DMX Controller must always be at the end point of a DMX run.

Wiring to 4-Position Terminal Block

1 2 3 4

Position (L - R)	Description
1	Shield/Common
2	Data +
3	Data –
4	Not Used

ORDERING INFORMATION

Catalog #	Description
☐ LMSI-DMX	DLM DMX Controller

35315r2 Rev 11/25

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