

PARTITION INTERFACE

LMIO-102

Automatically reconfigures lighting controls for logical operation when movable walls are opened and closed

Component of Digital Lighting Management integrated control systems

Works with third party contact closure inputs



Recalls 16 configurations for spaces with up to 5 partitioned areas and 4 movable walls

Fits into standard single gang wallbox; optional DIN rail mounting

Plugs to DLM local network via Cat 5e cables with RJ45 connectors



DESCRIPTION

The LMIO-102 Partition Interface automatically coordinates lighting controls in flexible spaces with up to four movable walls equipped with contact closures. It is part of a Digital Lighting Management (DLM) system, and can reconfigure connected switches and occupancy sensors.

OPERATION

The LMIO-102 Partition Interface operates on Class 2 power supplied to a DLM local network by one or more room controllers. It includes a 24VDC output and four input terminals for maintained third party contact closure inputs, typically from limit switches on movable walls. Prior to operation, the user must establish load profiles for each possible configuration of the space, with up to four walls open and closed. Up to 16 load profiles may be configured using Push n' Learn or other DLM configuration tools. When the walls in the controlled space are reconfigured, the interface automatically recalls one of the 16 load profiles based on the combination of inputs.

REMOTE STATUS DISPLAY OPTION

Four status LEDs under the hinged cover of the LMIO-102 indicate the position of each wall (open or closed). If a remote wall-mounted status display is required, the interface may be used in conjunction with an LMPS-104 Partition Switch. When both devices are used together the switch buttons are inactive, but the switch LEDs display the status of each wall based on the contact closure signals to the interface.

APPLICATIONS

LMIO-102 Partition Interfaces are ideal for multi-use spaces that are frequently reconfigured. Applications include hotel and conference center ballrooms and meeting rooms, school multi-use rooms, and other spaces with movable walls.

FEATURES

- Push n' Learn™ functionality for personalizing system settings to accommodate application needs
- Four status LEDs indicate if walls are open or closed
- Two RJ45 ports with hinged dust cover
- UL 2043 plenum rated
- The product meets the materials restrictions of RoHS
- BAA/TAA-compliant models available

PROJECT

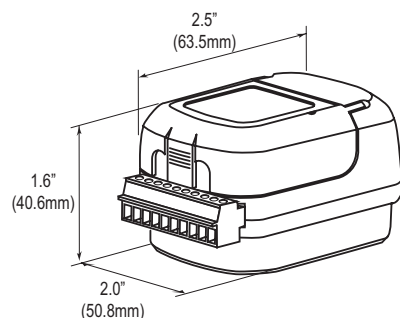
LOCATION/
TYPE

SPECIFICATIONS

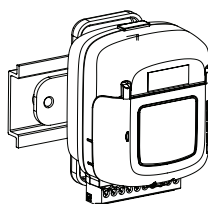
- Input voltage: 24VDC from DLM local network
- Current consumption: 20mA
- DLM local network connection: 2 RJ45 ports
- Input ratings:
 - Input max. sink/source current: 1- 5 mA
 - Logic input signal voltage High: >18 VDC
 - Logic input signal voltage Low: < 2 VDC
- Removable terminal block for connections to third party contact closure inputs
- Operating conditions: for indoor use only; 32-104°F (0-40°C)
- Fits inside 4" x 4" j-box, 1 gang back box or 3" or 4" octagonal box; optional DIN rail mounting
- UL and cUL listed
- Five year warranty

DIMENSIONS & MOUNTING

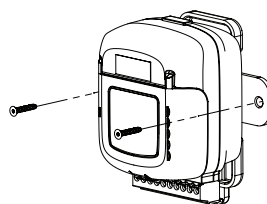
Dimensions



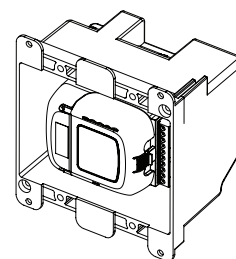
Mounting Options



Attach to DIN Rail



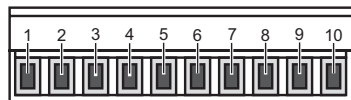
Mount to Wall



Inside a 2-gang J-box

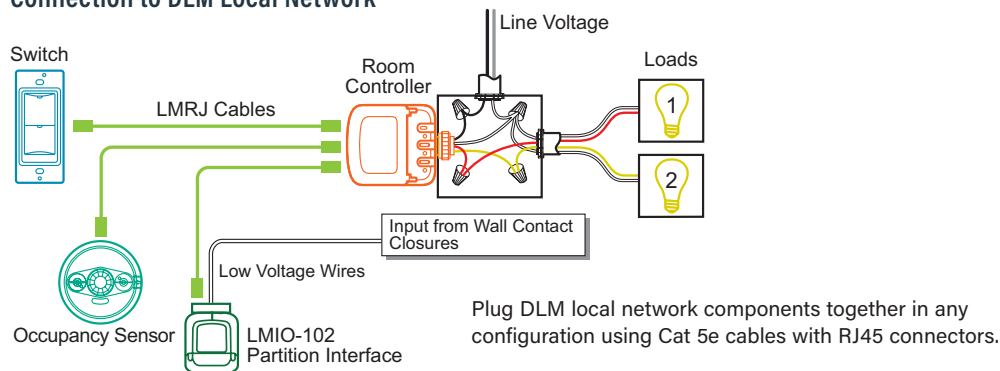
WIRING & CONNECTION

Wiring to 10-Position Terminal Block



Position (L - R)	Default Setting
4	Ground
5	+24 VDC
6	Wall 1 Input
7	Wall 2 Input
8	Wall 3 Input
9	Wall 4 Input

Connection to DLM Local Network



ORDERING INFORMATION

Catalog #	Description
LMIO-102-U	Partition Interface, BAA/TAA compliant*

LMSW-108 8-button Wall Switches do not support partitioning. LMIO-102 Partition Interfaces are compatible with all other DLM switches and control devices.

*Product is compliant with Buy American Act and Trade Agreement Act

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