

INPUT INTERFACE

LMIN-104

Input interface for integration of third party devices

Component of Digital Lighting Management integrated control systems

Fits into standard single gang wallbox; optional DIN rail mounting



Hinged dust cover protecting two RJ45 ports

Status LED for each input

Four configurable inputs for contact closure and sensor integration



DESCRIPTION

The LMIN-104 Input Interface allows seamless integration with third party devices to provide additional functionality in a Digital Lighting Management (DLM) system.

OPERATION

The LMIN-104 operates on power from the DLM local network. It is completely programmable via the LMCT handheld remote and/or LMCS software, and does not require adjustment of dip switches to program. The LMIN-104 also includes a 24VDC output and four input terminals for maintained or momentary switch closure inputs, or third party logic inputs. Input signals may come from a wide variety of devices including building automation systems, time clocks and key switches, for purposes including hold-on/hold-off, load shedding and cleaning.

DEFAULT AND PERSONALIZED OPERATION

The LMIN-104's 4 inputs are unassigned to loads when initially connected to the system. Its inputs can be assigned to loads for on/off control via standard PnL steps. Once accessed via the LMCT-100-2 or LMCS-100, the LMIN-104's inputs can be configured to provide unique scenarios such as shed, clean, switch enable, occupancy sensor input, and others. Two inputs can also be linked to create a 3-wire rocker up/down input.

The LMIN-104 can also be programmed to be a replacement for any one of the following: LMIO-102 Partition Interface, LMIO-201 Analog Occupancy Sensor Interface, or LMIO-301 Exterior Photocell Interface, although this will prevent it from being able to accept simple 2-wire or 3-wire inputs.

APPLICATIONS

The LMIN-104 can also be programmed to operate as a partition interface or an exterior photocell interface. Note that these modes consume all inputs on the LMIN-104 to perform their respective functions.

FEATURES

- Push n' Learn™ functionality for personalizing system settings to accommodate application needs
- Self-contained switching power supply and relay system
- Five status LEDs and configuration LED
- Over-current protection
- Hold-on/hold-off, occupancy sensor, time clock, load shed, cleaning switch and key switch modes available
- UL 2043 plenum rated
- The product meets the materials restrictions of RoHS

PROJECT

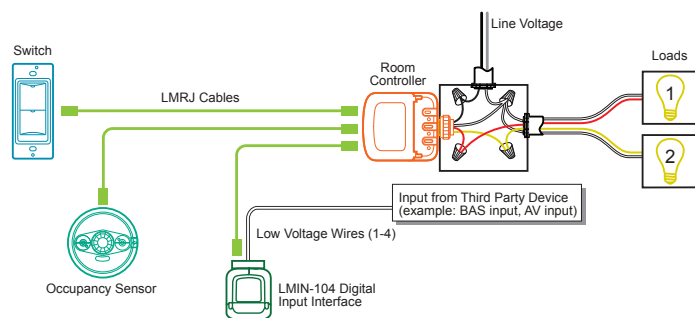
LOCATION/
TYPE

SPECIFICATIONS

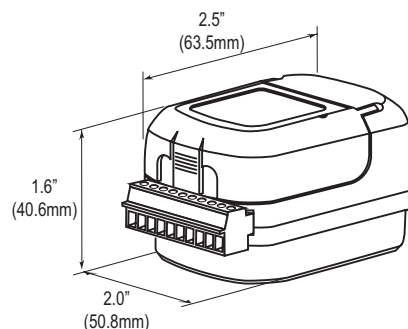
- Operating voltage: 24VDC from DLM network
- Maximum current consumption: 20mA
- DLM local network connection: 2 RJ45 ports
- Removable terminal block for connections third party inputs
- Input ratings:
 - Input max. sink/source current: 1- 5 mA
 - Logic input signal voltage High: >18 VDC
 - Logic input signal voltage Low: < 2 VDC
- Operating conditions; for indoor use only; 32-131°F (0-55°C)
- Fits inside 4" x 4" j-box, 1 gang back box or 3" octagonal box; optional DIN rail mounting
- UL and cUL listed (E101196)
- Five year warranty

WIRING & CONNECTION

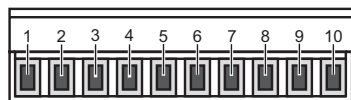
Connection to DLM Network



Dimensions



Wiring to 10-Position Terminal Block

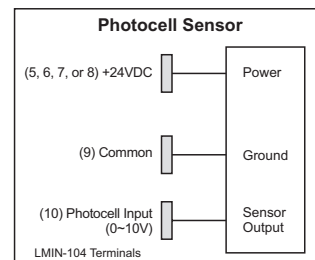
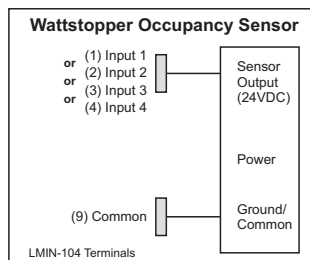
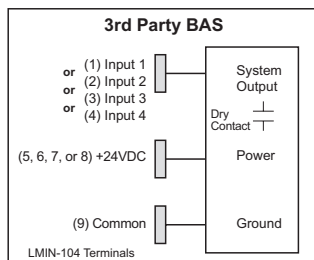
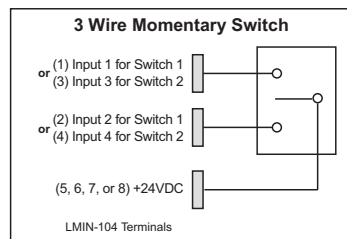
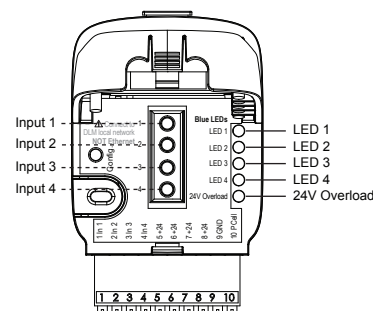


| Position (L - R) | Description |
|------------------|--------------|
| 1 | Input 1 |
| 2 | Input 2 |
| 3 | Input 3 |
| 4 | Input 4 |
| 5 | +24 VDC |
| 6 | +24 VDC |
| 7 | +24 VDC |
| 8 | +24 VDC |
| 9 | Ground |
| 10 | Photocell In |

LED Indicators

Ch 1 through Ch 4 Status:
Associated with Inputs 1-4, LEDs track load status. They also show bindings in PnL.

24V Overload:
Indicates 24VDC current overload.



ORDERING INFORMATION

| Catalog # | Description |
|-----------|-----------------|
| LMIN-104 | Input Interface |