L:legrand

LOW VOLTAGE DUAL RELAY INTERFACE

LMOR-102

Low Voltage relay accessory device

Component of Digital Lighting Management integrated control systems

Relays can be controlled by other DLM devices - switches, occupancy sensors, and/or timeclock

Plug to other components using Cat 5e cables with RJ45 connectors eliminating wiring errors

Provides output contact to control shades, AV hardware or any other device with a low voltage input

RoHS

DESCRIPTION

The LMOR-102 is an accessory interface device with two low voltage mechanically held relays. Other components of a Wattstopper Digital Lighting Management (DLM) System can control the relays similar to the line voltage relays in a room controller. This allows the two dry output contacts to control products that provide a 0-24V AC/DC input signal.

OPERATION

The LMOR-102 is powered by the 24VDC provided through DLM's Cat 5e "In Room Network" bus. Each relay can be assigned to any DLM device that can control an output, which includes load or network buttons on a switch, occupancy sensors, input accessory device, and/or a timeclock. The relays are mechanically held and provide a Form C output, and will maintain position even through loss of power on the Cat 5e network. Additionally, two override push buttons are accessible inside the device for testing the relay outputs.

DEFAULT AND PERSONALIZED OPERATION

The LMOR-102 has a unique Plug n' Go sequence. Unlike line voltage room controllers its relays do not automatically bind to any other DLM devices saving installation time. The dual relays in the device respond to Push n' Learn allowing them to be bound to any other DLM control component. Additionally, the relays in the device can be set to pulse for systems that require a momentary input.

APPLICATIONS

LMOR relays can be used to provide a dry contact closure for any device that uses 0-24V AC/DC as an input. Examples include inputs on AV hardware, projector lifts, shades, movable walls, and nurse call systems. The relays can also be used to make or break low voltage wires for other systems such as wireless plug load controllers or thermostats.

FEATURES

- Relays do not bind during Plug n' Go to simplify installation
- 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
- Two override buttons to test each relay
- Two LEDs to indicate status of each relay

- 2 RJ45 ports with integral strain relief and hinged dust cover
- 2 Mechanically held relays with Normally Open, Common, and Normally Closed terminals
- Can be mounted inside a 4" x 4" junction box, inside a 2-gang wall box, inside a 3" or 4" octagonal box, or on a 35mm din rail inside a panel
- The product meets the materials restrictions of RoHS

| PROJECT		LOCATION/ TYPE	

designed to be better.®

SPECIFICATIONS

- Input/output voltage: 24VDC from DLM network

- Maximum current consumption: 10mA

- DLM local network connection: 2 RJ45 ports

- Removable terminal block for connections to relay output (two Form-C mechanically held relays)

- Isolated relay ratings:
  - 0-24V AC/DC, 1A per relay, SPDT
  - Normally open (N/O), normally closed (N/C) and common terminals

- 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

- Terminal wire size: 16–28 AWG

- UL and cUL listed (E101196)
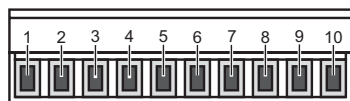
- Five year warranty
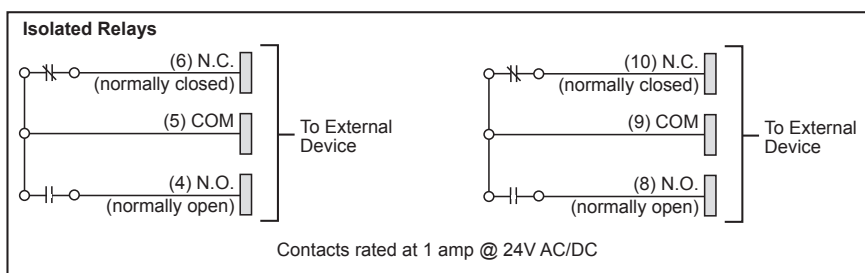
WIRING & CONNECTION

Connection to DLM Network
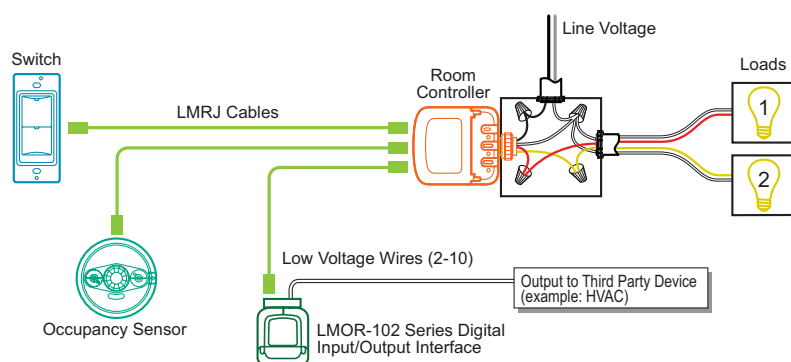
Dimensions
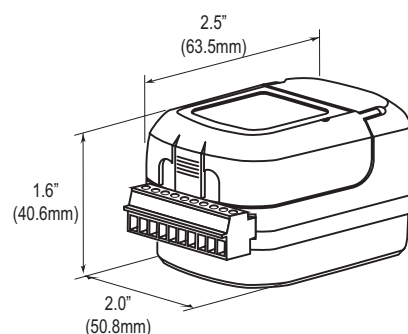
Wiring to 10-Position Terminal Block

Position (L - R)	Description
1	Not Used
2	Not Used
3	Not Used
4	Relay 1 Normally Open (N/O)
5	Relay 1 Common
6	Relay 1 Normally Closed (N/C)
7	Not Used
8	Relay 2 Normally Open (N/O)
9	Relay 2 Common
10	Relay 2 Normally Closed (N/C)

Isolated Relays

(6) N.C. (normally closed)
(5) COM — To External Device
(4) N.O. (normally open)

(10) N.C. (normally closed)
(9) COM — To External Device
(8) N.O. (normally open)

Contacts rated at 1 amp @ 24V AC/DC

ORDERING INFORMATION

Catalog #	Description
☐ LMOR-102	Dual Low Voltage Relay Interface

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