

ANALOG SENSOR INPUT MODULE

LMIO-201

Interfaces existing analog occupancy sensors to DLM

Component of Digital Lighting Management integrated control systems

Hinged dust cover protecting two RJ45 ports



Allows access to DLM networking functionality including Normal Hours and After Hours parameters

Options for DIN rail or wallbox mounting



DESCRIPTION

The LMIO-201 Analog Sensor Input Module is a single channel low voltage analog sensor to Digital Lighting Management (DLM) interface. It communicates a single state of occupancy, however it may be driven by multiple physical sensors wired together. The LMIO-201 works in conjunction with an auxiliary DC power source.

OPERATION

The LMIO-201 operates on power from the DLM local network. Connected sensor(s) operate on power from a power supply or BZ type power pack. The LMIO-201 is assigned to selected loads using Push n' Learn and will implement most typical DLM occupancy sensor functionality. It has a digitally configurable time delay that is added to the time delay of connected analog sensors; setting the sensor time delay to minimum allows the larger portion of the overall delay to be managed digitally. It contains a 24VDC normally closed (N/C) auxiliary relay for cycling power to any connected sensors if desired. This capability may be used to help identify which analog sensors are wired to the device.

DLM AND ANALOG SENSOR FUNCTIONALITY

The LMIO-201 DLM occupancy sensor functionality includes digital occupancy state, separate Normal Hours and After Hours time delays, binding to multiple loads, preset on/off and scene actions, and writable location and description properties. Sensor-specific functionality including walk-through mode, trigger and retrigger modes, and sensitivity must be set at each connected analog sensor using its DIP switches if required.

APPLICATIONS

The LMIO-201 is ideal for retrofit projects with existing analog occupancy sensors. Applications include private and open offices, conference rooms, classrooms, training centers, lunch rooms and break rooms. Additionally, the Analog Sensor Input Module allows integrators to easily coordinate the control of unconditioned or environmentally harsh spaces including kitchens, parking garages, exteriors or wet locations using appropriately rated occupancy sensors and DLM room controllers.

FEATURES

- Works with analog occupancy sensors; sensors require power pack or power supply
- Auxiliary relay for cycling power to connected sensors
- Status/Binding LED and configuration LED
- Push n' Learn functionality for personalizing system settings to accommodate application needs
- UL 2043 plenum rated
- The product meets the materials restrictions of RoHS

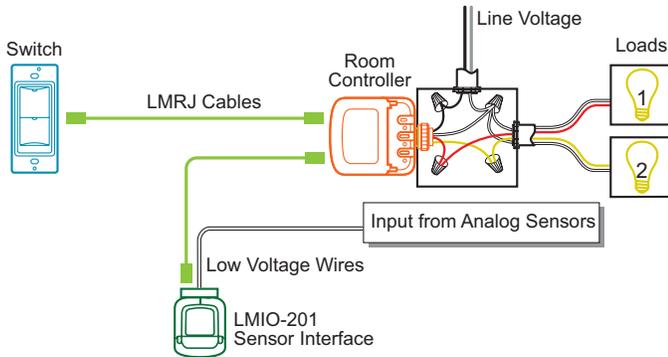
PROJECT		LOCATION/ TYPE	
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SPECIFICATIONS

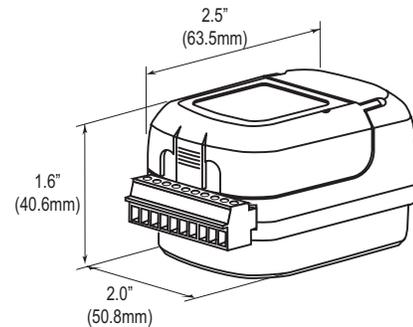
- Input voltage: 24VDC from DLM network
- Maximum current consumption: 20mA
- DLM local network connection: 2 RJ45 ports
- Removable terminal block for connections to analog sensors and power pack
- Relay contact ratings: 500 mA @ 24VDC
- Operating conditions; for indoor use only; 32-104°F (0-40°C)
- Fits inside 4" x 4" j-box, 1 gang back box or 3" octagonal box; optional DIN rail mounting
- UL and cUL listed
- Five year warranty

DIMENSIONS & MOUNTING

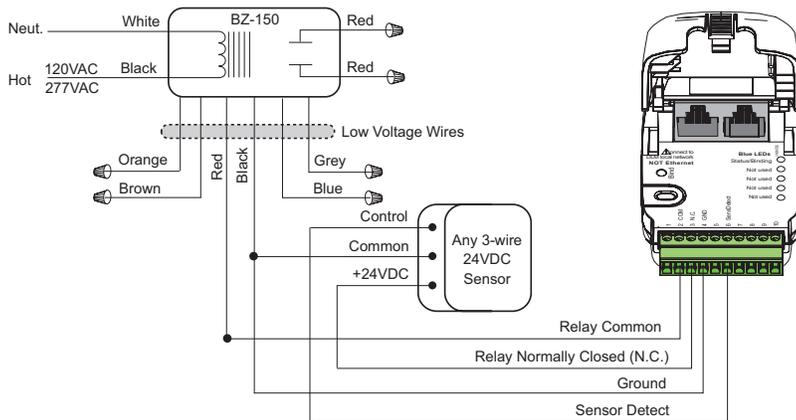
Connection to DLM Network



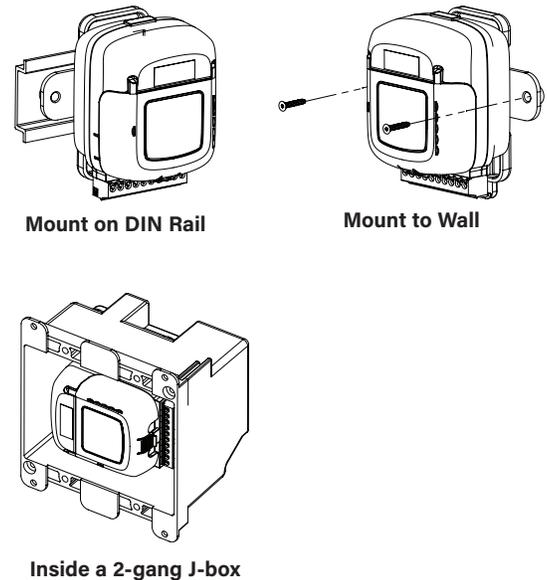
Dimensions



Wiring to 10-Position Terminal Block



Mounting Options



Position (L - R)	Default Setting
1	Not Used
2	Relay Common
3	Relay Normally Closed (N/C)
4	Ground
5	Not Used
6	Sensor Detect
7	Not Used
8	Not Used
9	Not Used
10	Not Used

ORDERING INFORMATION

Catalog #	Description
LMIO-201	Analog Sensor Input Module