L1 legrand

SERIAL DATA INTERFACE

LMDI-100

RS-232 interface connects DLM local network to 3rd party control system

Plugs to free topology DLM local network allowing mounting in remote location

Hinged dust cover protects two RJ45 ports

Facilitates combining DLM with A/V and shade control systems

Provides access to local network data including occupancy status

Fits into standard single gang wallbox; optional DIN rail mounting

ioXt
internet of secure things

RoHS

DESCRIPTION

The LMDI-100 Serial Data Interface connects a Digital Lighting Management (DLM) local network to a third party system for coordinated control of devices including lighting controls, AV equipment, shade controls and user interfaces by either system.

OPERATION

The LMDI-100 operates on power from the DLM local network and can transmit and receive industry standard RS-232 signals. A built-in protocol allows automatic response to message requests from third party devices. Message options include queries, such as load status, occupancy sensor status, power reading and other parameter data. Other messages can command scene recall or load operation.

A/V INTERFACE OPERATION

The LMDI-100 allows an A/V system to control a DLM local network as a slave device. The A/V system can be added to the installation at any time, and is not required for implementation of code-compliant lighting control sequences of operation using Plug n' Go™ or Push n' Learn™.

APPLICATIONS

The serial data interface is ideal for use in conference rooms, training centers, auditoriums or theaters where specialized loads or equipment must be controlled by third party devices. Examples include applications with projectors, mechanical shade control systems and theatrical lighting.

FEATURES

- RS-232 communication at 9600, 19200, 38400, 57600 or 115200 baud; default is 19200
- Integral message protocol eliminates the need for interface configuration
- Status LEDs for transmit and receive allow simple verification of connectivity

- UL 2043 plenum rated
- The product meets the materials restrictions of RoHS
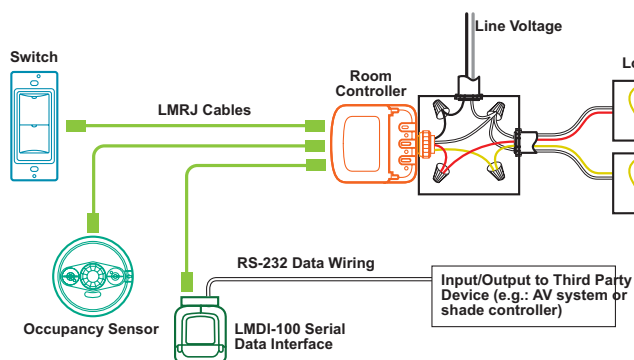- BAA/TAA-compliant models available

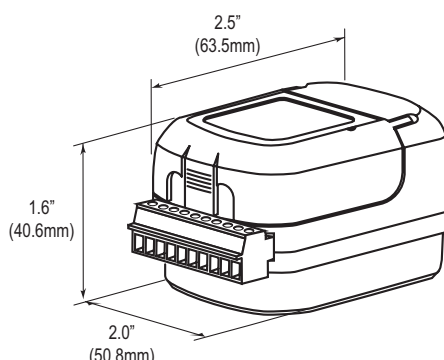| PROJECT		LOCATION/ TYPE	

SPECIFICATIONS

- Operating voltage: 24VDC from DLM network
- Maximum current consumption: 15mA
- DLM local network connection: 2 RJ45 ports
- Removable terminal block for connection to third party system
- Baud rate configurable to 9600, 19200, 38400, 57600 or 115200

- Operating conditions: for indoor use only; 32-104°F (0-40°C); 9-95% RH, non-condensing
- Fits inside 4″ x 4″ j-box, 1 gang back box or 3″ octagonal box; optional DIN rail mounting
- UL and cUL listed
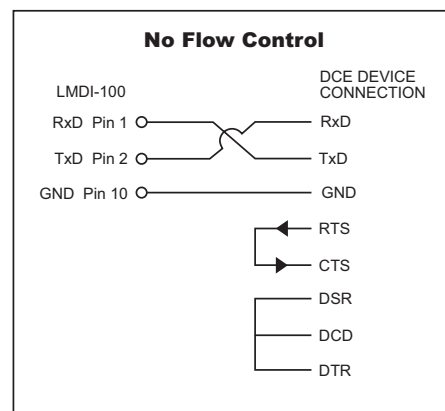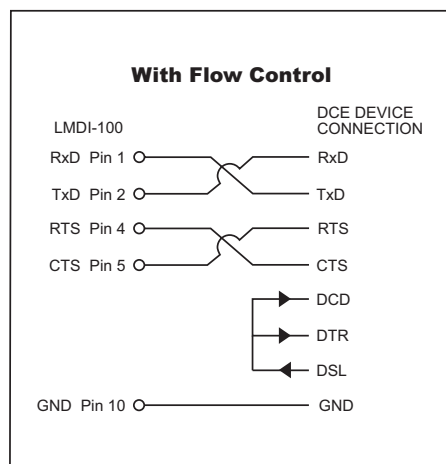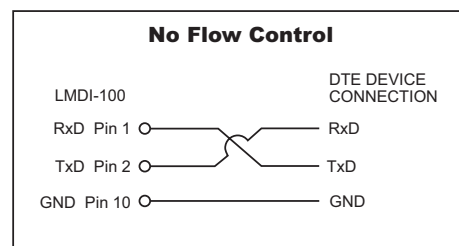- Five year warranty
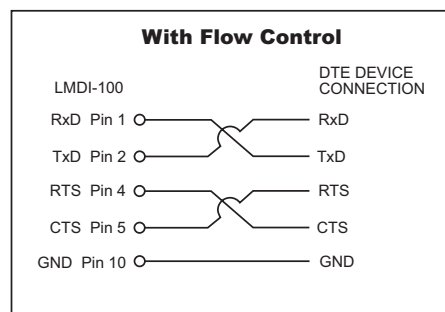
WIRING & CONNECTION

Connection to DLM Network

Switch
LMRJ Cables
Line Voltage
Room Controller
Loads
1
2
Occupancy Sensor
RS-232 Data Wiring
LMDI-100 Serial Data Interface
Input/Output to Third Party Device (e.g.: AV system or shade controller)

Dimensions

2.5" (63.5mm)
1.6" (40.6mm)
2.0" (50.8mm)

Wiring to 10-Position Terminal Block

1 2 3 4 5 6 7 8 9 10

With Flow Control

LMDI-100
RxD Pin 1 — RxD
TxD Pin 2 — TxD
RTS Pin 4 — RTS
CTS Pin 5 — CTS
GND Pin 10 — GND
DTE DEVICE CONNECTION

No Flow Control

LMDI-100
RxD Pin 1 — RxD
TxD Pin 2 — TxD
GND Pin 10 — GND
DTE DEVICE CONNECTION

Connections to Data Terminal Equipment (DTE)

With Flow Control

LMDI-100
RxD Pin 1 — RxD
TxD Pin 2 — TxD
RTS Pin 4 — RTS
CTS Pin 5 — CTS
DCD
DTR
DSL
GND Pin 10 — GND
DCE DEVICE CONNECTION

Connections to Data Communication Equipment (DCE) such as computer or modem

No Flow Control

LMDI-100
RxD Pin 1 — RxD
TxD Pin 2 — TxD
GND Pin 10 — GND
RTS
CTS
DSR
DCD
DTR
DCE DEVICE CONNECTION

ORDERING INFORMATION

Catalog #	Description
☐ LMDI-100-U	Serial Data Interface, BAA/TAA compliant*

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

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