LMJA 34-POINT IO MODULE

LMJA-IO-R-34

Provides global control of DLM segment networks via a 3rd party dry contact input

Support for both wired and wireless DLM Networks

DESCRIPTION

The LMJA-IO-R-34 supports remote monitoring and control applications that enable end-to-end automation and device-to-enterprise integration. The LMJA-IO-R-34 allows the JACE Network Controller to interface directly with simple non-intelligent inputs and outputs remotely located up to 2,500 feet from the Network Controller. The connection is established via an industry-standard RS 485 multi-drop communications bus. Multiple LMJA-IO-R-34 devices can be utilized on a single LMJA Network Controller, providing 250+ IO points .

OPERATION

The LMJA Network Controller communicates with DLM local in-room wired networks and panels over a BACnet MS/TP or BACnet IP segment network. It contains two on-board MS/TP ports for segment connections, and can use BACnet IP connections to NB-Routers for additional segments. The LMJA communicates over a TCP/IP connection. The Segment Manager on the JACE Network Controller used for initial set up and configuration must be used with a compatible web browser. Following set up, the Supervisor software may be used for centralized control of multiple segments.

The LMJA-x125-SM supports up to 125 rooms and 6250 points. The LMJA-x300-SM supports up to 300 rooms and 15000 points.

APPLICATIONS

The LMJA-IO-R-34 is ideal for applications involving an LMJA Network Controller where a global command is required via a third-party system. A typical application involves receiving a dry contact input from a fire alarm system to activate certain loads on a project.

The optional LMJA Network Controller Segment Manager Station and Supervisor are ideal solutions for managing lighting and plug load energy use, and providing remote access to DLM local networks.

FEATURES

- 16 Universal inputs: Type 3 (10k) thermistors, 0-100K ohm, 0-10VDC, 0-20 mA with external resistor
- 10 Relay outputs (Form A contacts, 24VAC @ .5 amp rated)
- 8 Analog outputs (0-10VDC)
- Powered from a 24VAC/DC source
- Connected to an LMJA Network Controller remotely over a shielded RS485 bus

PROJECT		LOCATION/ TYPE	

SPECIFICATIONS

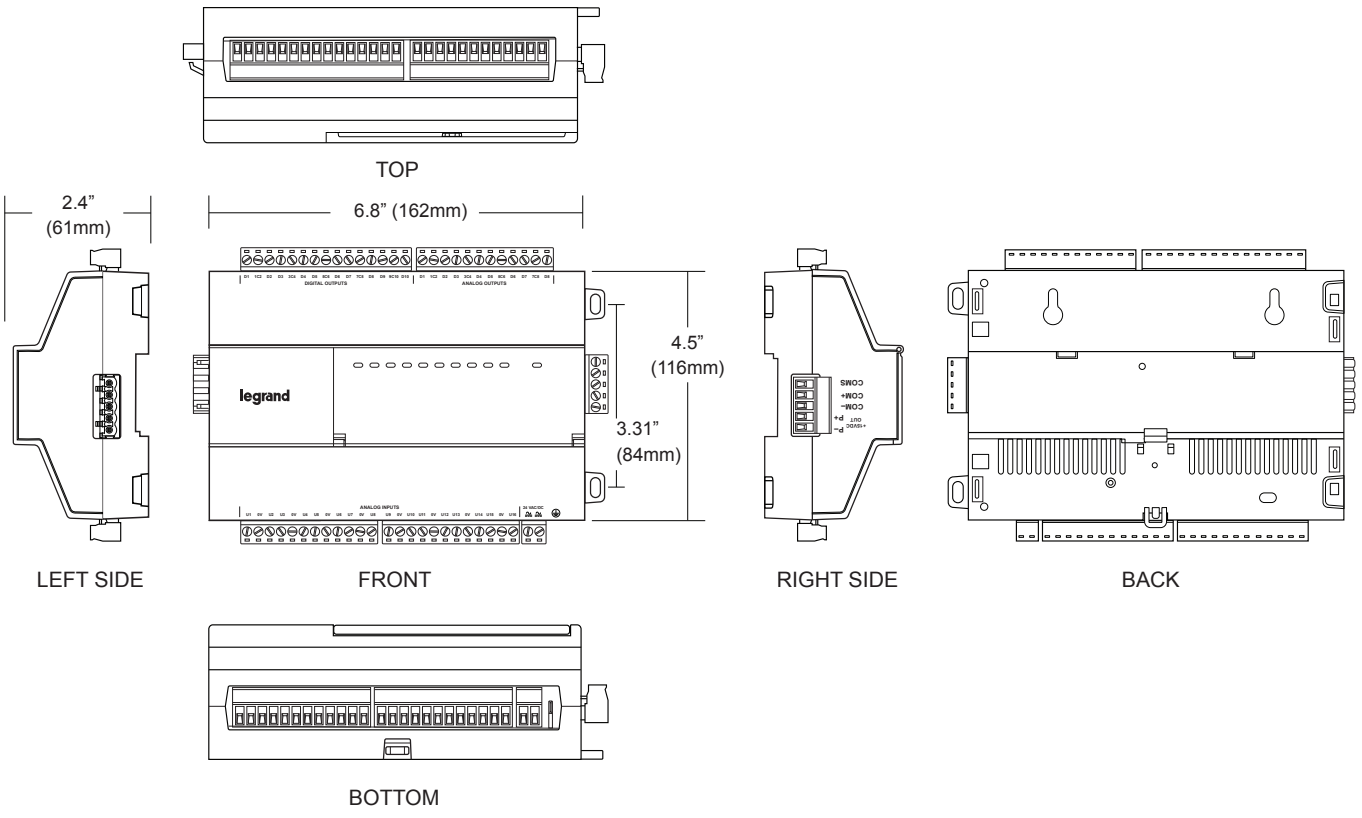
- Power: Power by the LMJA Network Controller or remote power supply (24VAC/DC source)
- Connection: Connected to LMJA Network Controller remotely over a shielded RS485 bus
- Inputs: 16 Universal inputs; Type 3 (10k) thermistors, 0-100K ohm, 0-10VDC, 0-20 mA with external resistor
- Analog Outputs: 8 Analog outputs (0-10VDC)
- Relay Outputs: 10 Relay outputs (Form A contacts, 24VAC @ .5 amp rated)
- Din Rail Mount: 35mm x 7.5mm with end clips
- Dimensions, W x H x D: 6.8 in x 4.5 in x 2.4 in (162mm x 116mm x 61mm)
- Weight: 1.1 lb (499g)
- Ambient operating temperature: -4°F - 140°F (-20°C - 60°C)
- Storage temperature: -40°F - 185°F (-40°C - 85°C)
- Humidity: 5% - 95%, non condensing
- Certification: C-UL, CE EN 61326-1:2013, FCC part 15, class b, China ROHS, RoHS2, Open Energy Management Class 2, REACH, WEEE, RCM
- Shipping and Vibration: ASTM D4169, Assurance Level II
- MTTF: 10 years +

END USER LICENSE AGREEMENT

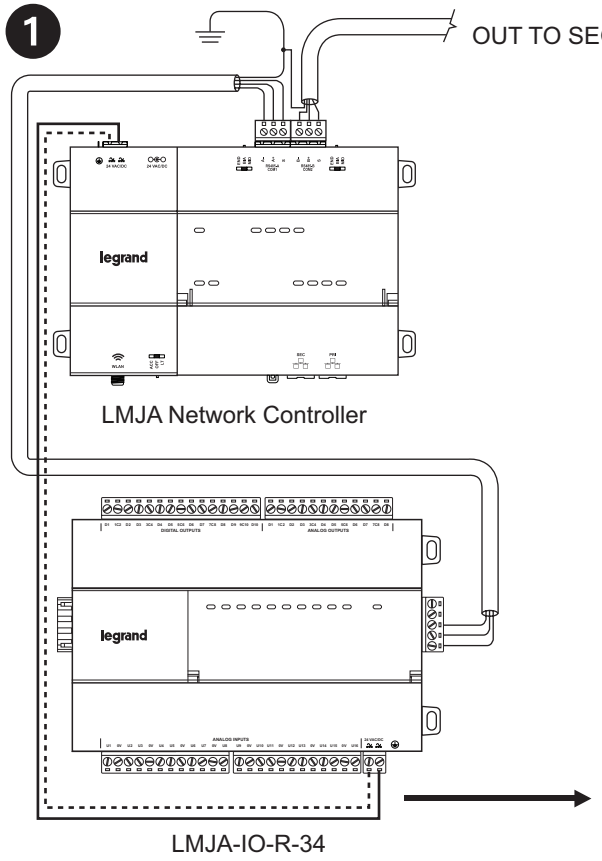
In order to enhance the security of our products, Legrand ships its products with all insecure ports closed and insecure protocols disabled. You are free to configure your device as needed, but in doing so note that you may be decreasing the security of your device and any information contained in the device. As you modify the device's default settings, keep in mind how this may impact the security of the device and your network. In addition, you should use caution in connecting your device to the Internet, especially if you have altered the default security settings. If you have any questions or concerns about how your modifications of the device may affect its security, please contact the Legrand customer service team at 1-800-879-8585.

https://www.legrand.us/support/wattstopper.aspx

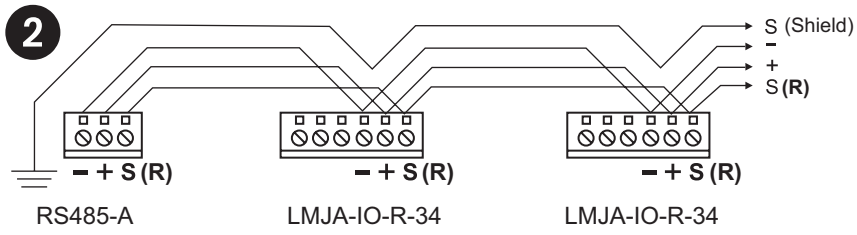
MULTI-VIEW DIMENSIONS



LMJA-IO-R-34 BASIC WIRING DIAGRAM



NOTE: The power for the LMJA-IO-R-34 could be sourced from the LMJA Network Controller if adequate current is available -OR- a dedicated Class 2, 24V transformer, or to a 24VDC power source. The LMJA-IO-R-34 can share transformer power with an LMJA Network Controller. If powering from a 24V transformer, do not also power equipment (other than an LMJA Network Controller) with the same transformer. Otherwise, conducted noise problems may result. Also, **do not** ground either side of the transformer's 24V secondary.



NOTE: R = S Terminals on Tridium hardware for Wattstopper wiring. Wattstopper uses a 3-wire conductor plus shield (LM-MSTP) for all installations.

The shield is terminated to ground typically at the network controller.

ORDERING INFORMATION

Catalog #		Description
☐	LMJA-IO-R-34	34 Point IO Module. Powered by 24VAC. Connected to LMJA Network Controller remotely over RS485.

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