LINQ™

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LINQ4RM

4-Port Network Managed I/O Relay Module

Installation Guide

CE

Altronix®

More than just power.™

Rev. 110926

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____

Overview:

Altronix LINQ4RM Network Managed I/O Relay Module extends the capabilities of the LINQ platform by providing flexible remote monitoring, programmable automation, and enhanced system intelligence for today's connected security, access control, and power management applications.

LINQ4RM features two (2) dry contact inputs and two (2) individually configurable ports selectable as a supervised input or programmable output, allowing the module to be tailored to the unique requirements of virtually any installation. Configured as inputs, the ports enable remote monitoring of connected devices and critical system conditions in real time. Configured as outputs, they provide flexible remote control functionality that can be activated manually or automatically in response to programmable events, enabling intelligent, event-driven automation. Channels can be programmed to follow a temperature threshold exceeded, another input reading, and a calendar schedule. The results can also be combined, i.e. the relay is closed M-F 9AM - 12PM or when temperature is above 90ºC.

Ideal for access control, intrusion, network infrastructure, remote enclosures, and critical power applications, the LINQ4RM gives integrators and system administrators the ability to remotely monitor, automate, and control essential infrastructure from virtually anywhere. Its configurable I/O architecture simplifies system design, reduces the need for additional hardware, and provides the flexibility to adapt as application requirements evolve.

Features:

Agency Listings:
- CE European Conformity.

Input/Output:
- PoE midspan or endspan powered.
- Two (2) Dry Contact inputs.
- Two (2) Dry Contact programmable and supervised monitoring inputs or outputs (Normally Open).
- Locally or remotely controlled.
- Contacts are rated 1A/30VDC.

Programming:
- Programmable via web browser.

Monitoring:
- Provide real-time remote monitoring and notifications.
- Intelligent input-to-output automation capabilities.
- Monitor device input status.
- Remote control of connected devices.
- Enhanced preventative maintenance through environmental and power monitoring.

Reporting:
- Alert notifications on website.

Applications:
- Access Control, Intrusion & Security Systems.
- Environmental Monitoring.
- Network & Edge Infrastructure.

LED Indicators:
- **Heartbeat:** Normal operation.
- **Network Connection:** I/O trigger ON/OFF.

Environmental:
- Operating and storage temperature: – 40ºC to 70ºC (– 40ºF to 158ºF).
- Relative humidity: 20 to 85%, non-condensing.

Mechanical:
- Dimensions (W x L x H approx.): 3.5" x 3.5" x 1" (88.9mm x 88.9mm x 25.4mm).

Installation Instructions:

Wiring methods shall be in accordance with the National Electrical Code/NFPA 70/ANSI, and with all local codes and authorities having jurisdiction. Wiring should be UL Listed and/or Recognized wire suitable for the application.

LINQ4RM is not intended to be connected to outside plant leads and should be installed indoors within the protected premises. It is intended for indoor use only.

Unit should not be mounted above 2 meters if attached by itself on an open wall.

1. Secure LINQ4RM to the desired mounting surface with a proper fastening device utilizing the unit's mounting hole *(Fig. 1a, pg. 3)*. Unit should be mounted in proximity to ethernet switch/network. Unit should not be mounted above 2 meters if attached by itself on an open wall.
2. Connect structured cable from ethernet midspan or endspan device to RJ45 jack marked [PoE Input] *(Fig. 1, pg. 3)*.
3. Teminals marked [Dry Contact Input/Output + –] are programmable as either Input or Output. Terminals marked [Dry Contact Input+ –] are programmable only as Input. *(Fig. 1, pg. 3)*. Connect your devices to these terminal pairs carefull observing correct polarity.

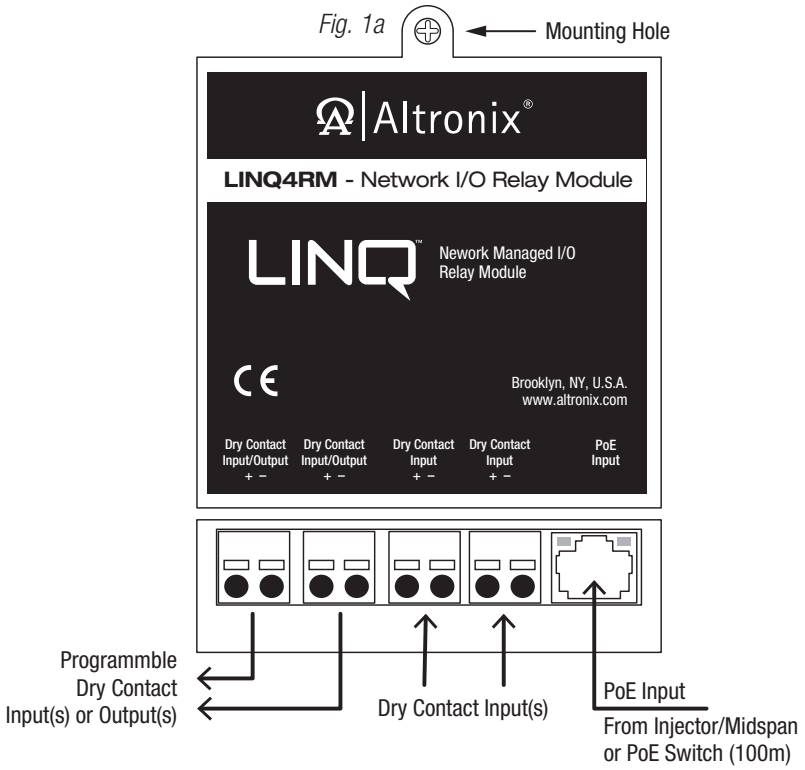
Configuring Unit for Network Connection:

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Fig. 1

Typical Application:

Fig. 1a



Technical Specifications:

Parameter	Description
Connections	RJ45 for CAT5/6 or higher ethernet link. 2-wire screw terminals for devices connection.
Input power requirements	Midspan or switch port connected.
Indicators	**Heartbeat:** Normal operation **Network Connection:** I/O trigger ON/OFF.
Environmental Conditions	**Operating Ambient Temperature:** – 40ºC to 70ºC (– 40ºF to 158ºF). **Storage Temperature:** – 40ºC to 70ºC (– 40ºF to 158ºF). **Relative Humidity:** 20 to 85%, non-condensing. **Operating Altitude:** – 304.8 to 2,000m.
Regulatory Compliance	CE European Conformity.
Weights (approx.)	Product: 0.22 lb. (0.1 kg) I Shipping: 0.4 lb. (0.18 kg)