Legrand 048408

Legrand 048408 Room Controller IP 8Mod

USER MANUAL

1. Introduction

This manual provides essential information for the safe and efficient installation, operation, and maintenance of the Legrand 048408 Room Controller IP 8Mod. Please read this manual thoroughly before attempting to install or operate the device. Keep this manual for future reference.
The Legrand 048408 is an IP-enabled room controller designed for integrated building management systems, offering control over various room functions. It features 8 modules for flexible configuration within a control panel.

Figure 1: Front view of the Legrand 048408 Room Controller IP 8Mod. This image shows the compact design of the 8-module device, typically installed in a control cabinet.

2. Safety Information

WARNING: Risk of electric shock. Installation and servicing must be performed by qualified personnel only. Disconnect power before installation or maintenance.

- Always follow local and national electrical codes.
- Ensure the power supply is disconnected before working on the device or its connections.
- Do not expose the device to moisture or extreme temperatures.
- Use appropriate personal protective equipment (PPE) during installation.
- Verify all wiring connections are secure and correct before applying power.

3. Setup and Installation

The Legrand 048408 Room Controller is designed for DIN rail mounting within an electrical enclosure.

3.1. Mounting

1. Ensure the DIN rail is securely installed within the control panel.

2. Align the controller's DIN rail clip with the rail.

3. Press the controller firmly onto the DIN rail until it clicks into place.

3.2. Wiring Connections

Refer to the wiring diagram provided with the product packaging for specific connection details. General steps include:

- **Power Supply:** Connect the appropriate power supply (e.g., 24V DC) to the designated terminals. Observe polarity.
- **IP Network:** Connect an Ethernet cable from your network switch or router to the RJ45 port on the controller.
- **Module Connections:** Connect external devices (e.g., sensors, actuators, lighting controls) to the 8 module terminals as per your system design. Ensure correct terminal assignments for inputs and outputs.

3.3. Initial Power-Up

1. Double-check all wiring connections for correctness and security.

2. Restore power to the control panel.

3. Observe the status indicator LEDs on the controller. A solid green LED typically indicates normal operation.

4. Operating Instructions

The Legrand 048408 Room Controller is primarily managed through a network interface or integrated building management software. Direct manual operation is limited to status indication.

4.1. Status Indicators

- **Power LED:** Indicates power supply status. (e.g., Green = On, Off = No Power)
- **Network LED:** Indicates network connectivity and activity. (e.g., Solid Green = Connected, Blinking = Data Transfer)
- **Module Status LEDs:** Individual LEDs for each of the 8 modules may indicate their operational status or output state. Refer to the product's technical documentation for specific LED behavior.

4.2. Network Configuration

Access the controller's web interface or use the provided configuration software to set up IP addresses, subnet masks, gateway, and other network parameters. Consult the Legrand software documentation for detailed instructions on network setup and device integration into your building management system.

5. Maintenance

The Legrand 048408 Room Controller requires minimal maintenance. Regular checks ensure optimal performance and longevity.

- **Cleaning:** Periodically clean the exterior of the device with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure power is disconnected before cleaning.
- **Firmware Updates:** Check the official Legrand website for available firmware updates. Follow the provided instructions carefully to update the device firmware, typically via the network interface.
- **Connection Checks:** Annually inspect all wiring connections for tightness and signs of wear or corrosion.

6. Troubleshooting

This section provides solutions to common issues you might encounter.

Problem	Possible Cause	Solution
Device not powering on.	No power supply; incorrect wiring; faulty power supply.	Check power connections and supply voltage. Ensure polarity is correct. Test power supply.
No network connectivity.	Ethernet cable disconnected or faulty; incorrect IP settings; network switch issue.	Verify Ethernet cable connection. Check network LED status. Confirm IP settings in the controller's configuration. Test network switch.
Module outputs not responding.	Incorrect wiring to external device; software configuration error; faulty module.	Check wiring to the external device. Review software configuration for the specific module. Contact support if module appears faulty.

If the problem persists after attempting these solutions, contact Legrand technical support.

7. Specifications

Technical specifications for the Legrand 048408 Room Controller IP 8Mod:

Feature	Detail
Model Number	048408
Brand	Legrand
Product Dimensions	1.97 x 7.87 x 3.15 inches
Item Weight	2.2 pounds (approximately 1 Kilogram)
Number of Modules	8
Mounting Type	DIN Rail
Connectivity	IP (Ethernet)
Batteries Required	No
Date First Available	July 23, 2022

8. Warranty and Support

Legrand products are manufactured to high standards and are backed by a limited warranty. For specific warranty terms and conditions, please refer to the documentation included with your purchase or visit the official Legrand website.

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Legrand customer support:

- **Website:** www.legrand.us (or your regional Legrand website)
- **Contact Information:** Refer to the "Contact Us" section on the Legrand website for phone numbers and email support.