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Legrand 400408

Legrand 400408 Tetrapolar Modular Distributor 125A User Manual

Model: 400408

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Legrand 400408 Tetrapolar Modular Distributor 125A. Please read this manual thoroughly before attempting any installation or operation to ensure proper use and to prevent potential hazards.

1.1 Safety Information

WARNING: Electrical work should only be performed by qualified and authorized personnel. Failure to follow these instructions can result in serious injury, death, or property damage.

- Always disconnect power at the main circuit breaker before installing, servicing, or removing the distributor.
- Verify that all connections are secure and correctly polarized before restoring power.
- Ensure that the product is installed in an environment free from excessive moisture, dust, or corrosive substances.
- Adhere to all local and national electrical codes and regulations.

2. PRODUCT OVERVIEW

The Legrand 400408 is a robust tetrapolar modular distributor designed for efficient and organized electrical power distribution within a circuit breaker panel. It is rated for 125 Amps and features 6 modules with 10 connection points (starts), making it suitable for various electrical configurations.



Figure 1: Legrand 400408 Tetrapolar Modular Distributor. This image shows the compact design and connection terminals of the distributor unit.

2.1 Key Features

- **Tetrapolar Design:** Supports four-pole electrical systems.
- **Modular:** Accommodates 6 modules for flexible integration.
- **High Current Rating:** Rated for 125 Amps.
- **Multiple Connection Points:** Provides 10 starts for various circuits.
- **DIN Rail Mount:** Easy and secure installation on standard DIN rails.
- **Durable Material:** Constructed from polyethylene for reliability.
- **Versatile Compatibility:** Suitable for S-type switches, 1-3 phase meters, and drivers.
- **Perforated Mounting Rail:** Facilitates flexible mounting options.
- **Airtight Seal:** Ensures protection within the enclosure.

3. PACKAGE CONTENTS

Upon unpacking, please verify that all components are present and undamaged. The package typically includes:

- 1 x Legrand 400408 Tetrapolar Modular Distributor 125A
- Necessary mounting hardware (e.g., screws, clips for DIN rail)

If any items are missing or damaged, please contact your supplier immediately.

4. SETUP AND INSTALLATION

Installation must be carried out by a qualified electrician in accordance with all applicable electrical codes and safety standards.

4.1 Mounting

1. Ensure the main power supply to the electrical panel is completely disconnected and locked out.
2. Identify a suitable location within the electrical panel for the distributor, typically on a DIN rail.
3. Attach the distributor securely to the DIN rail using its integrated mounting mechanism. Ensure it clicks firmly into place.
4. If using the perforated mounting rail, secure the distributor using appropriate screws or fasteners.

4.2 Wiring

1. Connect the incoming tetrapolar (four-pole) power supply cables to the main input terminals of the distributor. Ensure correct phase (L1, L2, L3) and neutral (N) connections.
2. Connect the outgoing circuit cables (up to 10 starts) to the respective output terminals. Ensure each connection is tight and secure.
3. Verify all connections for proper polarity and tightness to prevent loose connections, which can cause overheating or electrical faults.
4. Once all wiring is complete, double-check all connections before restoring power.

5. OPERATION

The Legrand 400408 Tetrapolar Modular Distributor functions as a central point for distributing electrical power to multiple circuits within an electrical panel. It does not have active operational controls but facilitates the organized connection of various modular devices.

5.1 Module Integration

The distributor is designed to integrate seamlessly with other modular devices such as S-type switches, 1-3 phase meters, and drivers. These devices can be mounted on the same DIN rail and connected to the distributor's output terminals to create a comprehensive electrical distribution system.

- Ensure that any connected modular devices are compatible with the distributor's voltage and current ratings.
- Follow the installation instructions provided with each modular device for proper connection to the distributor.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Legrand distributor. Always disconnect power before performing any maintenance.

- **Periodic Inspection:** Annually inspect the distributor and its connections for any signs of wear,

corrosion, or loose terminals.

- **Cleaning:** Use a dry, lint-free cloth to gently clean the exterior of the distributor. Do not use abrasive cleaners or solvents.
- **Professional Check:** It is recommended to have a qualified electrician perform a thorough inspection and maintenance check periodically, especially in industrial or high-demand environments.

7. TROUBLESHOOTING

This section addresses common issues that may arise. For problems not listed here, contact Legrand customer support or a qualified electrician.

Problem	Possible Cause	Solution
No power to connected circuits	Main power supply off; Loose input connection; Faulty upstream breaker.	Check main power supply; Verify input terminal connections; Inspect and reset upstream circuit breakers.
Overheating at terminals	Loose connections; Overload on a circuit; Incorrect wire gauge.	Disconnect power and tighten all terminal screws; Reduce load on the affected circuit; Ensure correct wire gauge for the current.
Difficulty mounting on DIN rail	Incorrect DIN rail size; Obstruction.	Ensure standard DIN rail is used; Clear any obstructions; Apply firm, even pressure to snap into place.

8. TECHNICAL SPECIFICATIONS

Specification	Value
Brand	Legrand
Model Number	400408
Current Rating	125 Amps
Number Of Contacts	10
Mounting Type	DIN Rail Mount
Material	Polyethylene
Color	Blue
Voltage	230 Volts (AC)
Number Of Poles	6
Specification Met	CE
Manufacturer	LEGRAND
Item Weight	8.8 ounces

9. WARRANTY AND SUPPORT

9.1 Warranty Information

This Legrand product is covered by the manufacturer's standard warranty. Please refer to the official Legrand website or contact your point of purchase for detailed warranty terms and conditions.

9.2 Customer Support

For technical assistance, product inquiries, or support, please contact Legrand customer service through their official website or the contact information provided with your purchase. When contacting support, please have your product model number (400408) and purchase details readily available.