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Legrand 020123

Legrand XL3 400 Side Cell Distribution Box Instruction Manual

1. Introduction

This manual provides essential information for the safe and efficient installation, operation, and maintenance of the Legrand XL3 400 Side Cell Distribution Box (Model 020123). Please read this manual thoroughly before attempting any installation or operation to ensure proper use and to prevent potential hazards. Keep this manual in a safe place for future reference.

2. Safety Information

WARNING: Electrical shock hazard. Installation and servicing of this equipment should only be performed by qualified and licensed electricians in accordance with all national and local electrical codes and regulations. Failure to follow these instructions can result in serious injury or death.

- Always disconnect power at the main service panel before working on or inside the distribution box.
- Use appropriate personal protective equipment (PPE), including insulated gloves and safety glasses.
- Ensure all connections are secure and properly torqued.
- Do not operate the distribution box with damaged components or wiring.
- Keep the distribution box clear of obstructions and ensure proper ventilation.

3. Product Overview

The Legrand XL3 400 Side Cell Distribution Box is designed for electrical distribution applications, providing a robust and organized enclosure for circuit breakers and other electrical components. Its side cell design allows for flexible integration into larger electrical systems.



Image showing the Legrand XL3 400 Side Cell Distribution Box, highlighting its compact design and access panel.

4. Setup and Installation

Installation must be performed by a qualified electrician.

1. **Preparation:** Ensure the installation location is clean, dry, and provides adequate space for ventilation and access. Verify that the mounting surface is structurally sound.
2. **Mounting:** Securely mount the distribution box to the wall or designated structure using appropriate fasteners. Ensure the box is level and plumb.
3. **Wiring:** Route all incoming and outgoing electrical cables through the designated knockouts. Connect wires to the appropriate terminals, ensuring correct polarity and secure connections. Refer to the wiring diagram provided with your specific electrical components.
4. **Component Installation:** Install circuit breakers and other electrical devices into their designated slots within the enclosure.
5. **Grounding:** Ensure the distribution box and all metallic components are properly grounded according to local electrical codes.
6. **Inspection:** Before restoring power, perform a thorough visual inspection to confirm all connections are tight, wiring is neat, and no debris is present inside the box.

5. Operating Instructions

Once installed and wired by a qualified professional, the Legrand XL3 400 Side Cell Distribution Box operates passively as an enclosure for your electrical components. Operation primarily involves the use of the circuit breakers or other devices housed within it.

- **Access:** Open the front cover to access the internal components. Ensure power is disconnected if performing any maintenance or modifications.
- **Circuit Breakers:** To turn a circuit ON, push the breaker handle firmly to the 'ON' position. To turn a circuit OFF, push the handle firmly to the 'OFF' position. If a breaker trips, it will move to a central or 'TRIPPED' position. To reset, push the handle fully to 'OFF' first, then to 'ON'.
- **Indicators:** Observe any indicator lights or displays on installed components for operational status.

6. Maintenance

Regular maintenance helps ensure the longevity and safe operation of your distribution box. Always disconnect power before performing any maintenance.

- **Periodic Inspection:** Annually, or more frequently in dusty environments, inspect the interior of the box for dust, debris, or signs of overheating (discoloration, burnt smell).
- **Cleaning:** Use a dry, non-conductive cloth or a vacuum cleaner to remove dust and debris from inside the enclosure. Do not use liquids.
- **Connection Check:** Periodically check all electrical connections for tightness. Loose connections can cause overheating and potential fire hazards.
- **Component Integrity:** Inspect circuit breakers and other installed components for any physical damage or signs of wear. Replace damaged components immediately.

7. Troubleshooting

If you encounter issues with your electrical system, consider the following troubleshooting steps. Always ensure power is disconnected before inspecting the interior of the box.

- **No Power to a Circuit:** Check if the corresponding circuit breaker is tripped. If so, reset it (OFF then ON). If it trips again immediately, there may be a short circuit or overload on that circuit.
- **Frequent Tripping:** If a circuit breaker frequently trips, it indicates an overload or fault on the circuit. Reduce the load or have a qualified electrician inspect the wiring.
- **Overheating:** If you notice any unusual heat or a burning smell from the distribution box, immediately disconnect power and contact a qualified electrician. This could indicate loose connections or an overloaded circuit.
- **Physical Damage:** If the box or its components are physically damaged, do not attempt to operate. Disconnect power and arrange for repair or replacement by a qualified professional.

For issues beyond these basic steps, contact a qualified electrician or Legrand customer support.

8. Specifications

Feature	Detail
Brand	Legrand
Model Number	020123
Product Dimensions	17.5 x 31 x 60 cm
Weight	500 g

Feature	Detail
Manufacturer	Legrand
ASIN	B00DG7998S
First Available Date	23 May 2022

9. Warranty and Support

For information regarding product warranty, technical support, or service, please contact Legrand customer service or visit the official Legrand website. Keep your purchase receipt and model number (020123) handy when contacting support.

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