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Legrand 047681

Legrand 047681 Altis Cabinet External Assembly Kit

Instruction Manual

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1. INTRODUCTION

The Legrand 047681 Altis Cabinet External Assembly Kit is designed to securely connect Altis series cabinets externally. This kit ensures the structural integrity and maintains the Ingress Protection (IP) rating of the assembled cabinets, supporting significant loads up to 500 kg/m³.

Please read this manual thoroughly before installation and use to ensure proper assembly and safe operation.

2. SAFETY INFORMATION

- Always wear appropriate personal protective equipment (PPE) such as gloves and safety glasses during installation.
- Ensure that the cabinets are stable and properly supported before and during the assembly process.
- Do not exceed the specified load capacity of 500 kg/m³ for the assembled cabinets.
- Verify that all components are correctly installed and tightened according to the instructions to prevent structural failure.
- Keep children and unauthorized personnel away from the work area during assembly.
- If any component is damaged, do not use it. Contact Legrand support for replacement parts.

3. PACKAGE CONTENTS

Verify that all the following components are present in your Legrand 047681 kit:

- 12 x Assembly Elements
- 6 x Retaining Pins
- 1 x Sealing Gasket

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

4. SETUP AND INSTALLATION

This section outlines the general steps for assembling Altis cabinets using the 047681 kit. Specific cabinet models may have additional requirements; refer to the individual cabinet's manual for detailed instructions.

1. **Preparation:** Ensure the surfaces of the cabinets to be joined are clean, dry, and free from obstructions. Position the cabinets in their final location, ensuring they are level and aligned.
2. **Aligning Cabinets:** Use the provided conical pins to precisely align the cabinets. Insert the conical pins into the designated holes on the cabinet frames. This ensures accurate positioning and structural integrity.
3. **Attaching Assembly Elements:** Secure the 12 assembly elements to the exterior of the cabinets at the designated connection points. Use appropriate fasteners (not included, refer to cabinet manual) to firmly attach these elements.
4. **Applying Sealing Gasket:** Carefully apply the sealing gasket along the joint between the two cabinets. This gasket is crucial for maintaining the IP rating of the cabinets, protecting internal components from dust and moisture.
5. **Securing Retaining Pins:** Once the cabinets are aligned and assembly elements are in place, insert the 6 retaining pins to further secure the connection. Ensure these pins are fully engaged and locked.
6. **Final Check:** Visually inspect all connections to ensure they are tight and secure. Confirm that the sealing gasket is properly seated along the entire joint.

The assembly process is designed to maintain the IP rating of the cabinets, ensuring continued protection against environmental factors.

5. USAGE AND FUNCTIONALITY

Once properly assembled, the Legrand 047681 kit allows multiple Altis cabinets to function as a single, cohesive unit. The primary functions include:

- **Structural Integration:** The kit provides a robust mechanical connection, allowing the combined cabinets to support a total load of up to 500 kg/m³.
- **IP Rating Maintenance:** The sealing gasket and precise alignment ensure that the original Ingress Protection (IP) rating of the individual cabinets is preserved, protecting sensitive equipment inside from dust and water ingress.
- **Enhanced Stability:** By securely joining cabinets, the kit enhances the overall stability of the installation, reducing the risk of tipping or displacement.

No specific 'operation' is required for the assembly kit itself after installation; its function is passive, providing structural support and environmental protection.

6. MAINTENANCE

The Legrand 047681 assembly kit requires minimal maintenance. Regular inspections are recommended to ensure continued performance and safety.

- **Periodic Inspection:** Annually, or more frequently in harsh environments, inspect all assembly elements, retaining pins, and the sealing gasket for signs of wear, corrosion, or damage.

- **Tightness Check:** Verify that all fasteners and pins remain securely tightened. Retighten if necessary.
- **Gasket Integrity:** Check the sealing gasket for cracks, hardening, or displacement. A compromised gasket can affect the IP rating of the cabinets. Replace if damaged.
- **Cleaning:** Keep the exterior of the assembly components clean. Use a soft, damp cloth to wipe away dust and dirt. Avoid abrasive cleaners or solvents that could damage the metal or gasket material.

7. TROUBLESHOOTING

This section addresses common issues that may arise during or after the installation of the assembly kit.

Problem	Possible Cause	Solution
Cabinets are not aligning properly.	Conical pins not fully engaged or cabinet surfaces obstructed.	Ensure conical pins are inserted correctly. Clear any debris from cabinet surfaces and alignment holes.
Gap visible between joined cabinets.	Assembly elements not tightened sufficiently or cabinets not fully pushed together.	Retighten assembly elements. Ensure cabinets are flush against each other before final tightening.
IP rating appears compromised (e.g., water ingress).	Sealing gasket improperly installed or damaged.	Inspect the sealing gasket. Re-seat it correctly or replace if damaged. Ensure all connections are tight.
Kit components appear loose after installation.	Fasteners or pins have vibrated loose over time.	Periodically check and retighten all assembly elements and retaining pins.

8. SPECIFICATIONS

Feature	Detail
Model Number	047681
Manufacturer	Legrand
Material	Metal
Load Capacity	500 kg/m ³
Package Dimensions	24.5 x 24 x 11 cm
Item Weight	1.55 kg
Items in Package	1 (kit)
Batteries Required	No
ASIN	B00DG79071

9. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the documentation provided with your purchase or visit the official Legrand website. Warranty terms typically cover manufacturing defects for a specified period from the date of purchase.

If you require technical assistance, have questions about installation, or need to report a missing/damaged component, please contact Legrand customer support:

- **Legrand Official Website:** www.legrand.com
- **Customer Service:** Refer to the contact section on the Legrand website for regional support numbers and email addresses.

Please have your product model number (047681) and purchase details ready when contacting support.