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› DNSJB 1747-M2 Memory Module PLC User Manual

## DNSJB 1747-M2

# DNSJB 1747-M2 Memory Module PLC User Manual

Model: 1747-M2

## 1. INTRODUCTION

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This manual provides essential instructions for the proper installation, operation, and maintenance of the DNSJB 1747-M2 Memory Module. This module is designed for use in Programmable Logic Controller (PLC) systems, enhancing their memory capabilities. Please read this manual thoroughly before using the product to ensure safe and efficient operation.

### 1.1 Safety Information

Always observe standard industrial safety practices when working with electrical components. Disconnect power before installation or maintenance. Ensure proper grounding and avoid exposure to moisture or extreme temperatures. Only qualified personnel should perform installation and servicing.



**Figure 1:** The DNSJB 1747-M2 Memory Module. This image displays the DNSJB 1747-M2 Memory Module, a critical component for Programmable Logic Controllers (PLCs). The module features a black casing with a label indicating 'CAT 1747-M2 A', 'MADE IN U.S.A.', 'SER FRN 2', and 'XICOR PART NO. X28256'. It has a series of metallic pins along one edge for connection to a compatible PLC slot.

## 2. SETUP AND INSTALLATION

Follow these steps for proper installation of the 1747-M2 Memory Module into your PLC system.

1. **Power Disconnection:** Ensure that the PLC system is completely powered off and disconnected from all power sources before beginning installation.
2. **Locate Slot:** Identify the appropriate memory module slot on your PLC. Refer to your PLC's specific documentation for slot compatibility.
3. **Module Insertion:** Carefully align the 1747-M2 module with the designated slot. Apply gentle, even pressure to insert the module until it is fully seated. Do not force the module.
4. **Secure Module:** If your PLC system includes securing mechanisms (e.g., latches or screws) for modules, engage them to hold the 1747-M2 firmly in place.
5. **Power Connection:** Once the module is securely installed, reconnect power to the PLC system.
6. **System Verification:** Power on the PLC and verify that the system recognizes the newly installed memory module. Consult your PLC's programming software or diagnostic tools for confirmation.

## 3. OPERATION

The 1747-M2 Memory Module functions as an integral part of your PLC system, providing additional memory capacity. Its operation is typically transparent to the user, managed directly by the PLC's firmware and programming.

- **Memory Expansion:** The module expands the available memory for program storage, data tables, and other PLC functions.
- **Automatic Recognition:** Most compatible PLC systems will automatically detect and utilize the installed memory module upon power-up.
- **Programming Software:** Use your PLC's dedicated programming software to manage memory allocation and verify the module's status.

## 4. MAINTENANCE

The DNSJB 1747-M2 Memory Module is designed for reliable, long-term operation with minimal maintenance. However, periodic checks can help ensure optimal performance.

- **Visual Inspection:** Periodically inspect the module and its connections for any signs of physical damage, corrosion, or loose connections.
- **Cleaning:** If necessary, gently clean the module's exterior with a soft, dry, lint-free cloth. Do not use liquid cleaners or solvents. Ensure the PLC system is powered off before cleaning.
- **Environmental Control:** Maintain the operating environment within specified temperature and humidity ranges to prevent premature wear or failure.

## 5. TROUBLESHOOTING

If you encounter issues with the 1747-M2 Memory Module, consider the following troubleshooting steps:

Problem	Possible Cause	Solution
PLC does not recognize module	Module not fully seated; incompatible slot; power issue	Ensure module is fully inserted. Verify slot compatibility with PLC documentation. Check PLC power supply.
System errors after installation	Module fault; incorrect installation	Re-seat the module. If errors persist, remove the module and test the PLC without it to isolate the issue.
Intermittent operation	Loose connection; environmental factors	Check all connections for tightness. Ensure operating environment is stable (temperature, humidity).

If these steps do not resolve the issue, contact technical support.

## 6. SPECIFICATIONS

Key technical specifications for the DNSJB 1747-M2 Memory Module:

- **Model:** 1747-M2
- **Type:** Memory Module
- **Manufacturer:** DNSJB
- **Item Weight:** 4.41 pounds (approximately 2 kg)
- **Compatibility:** Designed for specific PLC systems (refer to your PLC documentation for exact compatibility).
- **Origin:** Made in U.S.A. (as indicated on the module)

## 7. WARRANTY AND SUPPORT

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For information regarding warranty coverage, technical support, or service for your DNSJB 1747-M2 Memory Module, please refer to the documentation provided at the point of purchase or contact your supplier. Keep your purchase receipt as proof of purchase.

For general inquiries, you may visit the manufacturer's website or contact their customer service department.