

CBBEXP 1734-IT2I-NEW

1734-IT2I I/O Analog Temperature Input Module User Manual

Model: 1734-IT2I

Brand: CBBEXP

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of the CBBEXP 1734-IT2I I/O Analog Temperature Input Module. Please read this manual thoroughly before using the product to ensure safe and efficient operation.

The 1734-IT2I is a Programmable Logic Control (PLC) product designed for precise analog temperature input applications within industrial automation systems.

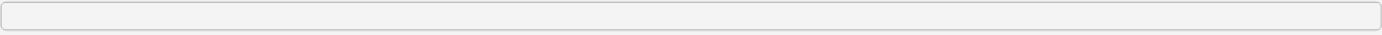


Figure 1: CBBEXP 1734-IT2I I/O Analog Temperature Input Module

SAFETY INFORMATION

Always adhere to local and national electrical codes. Disconnect power before installing or servicing the module. Only qualified personnel should perform installation and maintenance procedures. Failure to follow these instructions may result in injury or equipment damage.

- Ensure proper grounding.
- Do not operate the module in environments exceeding specified temperature and humidity limits.
- Verify all wiring connections before applying power.

SETUP AND INSTALLATION

The 1734-IT2I module is designed for easy integration into existing POINT I/O systems. Follow these steps for proper installation:

1. **Mounting:** Securely mount the module onto the POINT I/O mounting base. Ensure it clicks into place.
2. **Wiring:** Connect the thermocouple sensors to the designated input terminals (0 and 1) as indicated on the module.

Refer to the system wiring diagrams for specific connection details.

- 3. **Power Connection:** Ensure the POINT I/O system is powered correctly. The module draws power from the backplane.
- 4. **Configuration:** Configure the module parameters using your PLC programming software. This includes setting sensor types, scaling, and alarm limits.



Figure 2: Example of organized storage for industrial components, similar to the environment where the 1734-IT2I modules are handled.

OPERATING INSTRUCTIONS

Once installed and configured, the 1734-IT2I module operates by continuously monitoring the connected thermocouple inputs and converting the analog signals into digital data for the PLC. The module status and network status indicators provide visual feedback on its operational state.

- **Module Status Indicator:** A solid green light indicates normal operation. Other states (flashing, red) indicate errors or specific operational modes; refer to the PLC system documentation for detailed interpretations.
- **Network Status Indicator:** Indicates the communication status with the network. A solid green light typically means active communication.
- **Data Monitoring:** Temperature data can be monitored and logged through the PLC's human-machine interface (HMI) or programming software.

MAINTENANCE

The 1734-IT2I module is designed for minimal maintenance. Regular inspections are recommended to ensure optimal performance.

- **Visual Inspection:** Periodically check the module for any signs of physical damage, loose connections, or excessive dust accumulation.
- **Cleaning:** If necessary, gently clean the module's exterior with a soft, dry cloth. Do not use solvents or abrasive cleaners.
- **Firmware Updates:** Consult the manufacturer's website for any available firmware updates that may improve performance or address known issues.



Figure 3: Organized shelving units, typical of a facility managing industrial automation components.

TROUBLESHOOTING

If you encounter issues with your 1734-IT2I module, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Module Status Indicator is Red	Internal fault or configuration error.	Check PLC diagnostics for specific error codes. Verify module configuration in software. Power cycle the system.
No Temperature Reading	Incorrect wiring, faulty thermocouple, or incorrect module configuration.	Verify thermocouple connections. Test thermocouple continuity. Ensure correct sensor type is configured in PLC software.

Problem	Possible Cause	Solution
Network Status Indicator is Off or Flashing	Communication issue with the network or controller.	Check network cables and connections. Verify network settings in the PLC controller. Ensure the controller is powered and running.

For more complex issues, consult the detailed documentation provided with your PLC system or contact technical support.

SPECIFICATIONS

- **Model:** 1734-IT2I
- **Type:** I/O Analog Temperature Input Module
- **Manufacturer:** CBBEXP
- **Inputs:** 2 Thermocouple Inputs
- **Compatibility:** Designed for POINT I/O systems
- **Item Model Number:** 1734-IT2I-NEW
- **Date First Available:** September 2, 2023

WARRANTY INFORMATION

The CBBEXP 1734-IT2I I/O Analog Temperature Input Module comes with a**One-Year Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

The product is guaranteed to be 100% NEW and sealed in its original box upon delivery.

CUSTOMER SUPPORT

CBBEXP is devoted to providing excellent customer service. For technical assistance, troubleshooting, or warranty inquiries, please contact your supplier or refer to the official CBBEXP support channels.

Zhengbang Automation, a specialist in PLC hardware for over a decade, maintains a large stock and welcomes consultations for any model and quantity for good prices. They are a valuable resource for support and product information.

For further assistance, please visit the manufacturer's website or contact their authorized distributors.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question