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› [LRILLMAING 6ED1052-1MD08-0BA2 Programmable Logic Control Product User Manual](#)

## LRILLMAING 6ED1052-1MD08-0BA2

# LRILLMAING 6ED1052-1MD08-0BA2 Programmable Logic Control Product User Manual

## 1. INTRODUCTION

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This manual provides essential information for the safe and efficient use of the LRILLMAING 6ED1052-1MD08-0BA2 Programmable Logic Control (PLC) Product. Please read this manual thoroughly before installation, operation, or maintenance to ensure proper functionality and to prevent damage or injury. Keep this manual for future reference.

## 2. PRODUCT OVERVIEW

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The LRILLMAING 6ED1052-1MD08-0BA2 is a Programmable Logic Control (PLC) product designed for industrial automation applications. It is engineered for reliable performance and integration into various control systems.

### Key Features:

- Product Number: 6ED1052-1MD08-0BA2
- Type: Programmable Logic Control Product
- Designed for industrial automation environments



**Figure 2.1:** Front view of the LRILLMAING 6ED1052-1MD08-0BA2 Programmable Logic Control Product, showing its compact design and connection ports.

### 3. SAFETY INFORMATION

Observe the following safety precautions to prevent electric shock, fire, or damage to the product and connected equipment. Only qualified personnel should perform installation and maintenance.

- **Power Disconnection:** Always disconnect power before installing, wiring, or servicing the device.
- **Proper Grounding:** Ensure the device is properly grounded according to local electrical codes.
- **Environmental Conditions:** Operate the device within specified temperature and humidity ranges. Avoid exposure to moisture, dust, and corrosive substances.
- **Wiring:** Use appropriate wire gauges and insulation for all connections. Ensure all connections are secure.
- **Authorized Personnel:** Only trained and authorized personnel should access and operate this equipment.

### 4. SETUP

Follow these general steps for the initial setup of your LRILLMAING 6ED1052-1MD08-0BA2 PLC.

1. **Mounting:** Securely mount the PLC in a suitable industrial enclosure, ensuring adequate ventilation and clearance for wiring.
2. **Power Supply Connection:** Connect the appropriate DC power supply to the designated power terminals. Verify voltage and polarity before applying power.
3. **Input/Output Wiring:** Connect input devices (sensors, switches) to the input terminals and output devices (actuators, relays) to the output terminals as per your application's design.
4. **Communication Setup:** Connect any necessary communication cables (e.g., Ethernet, serial) to the appropriate ports for programming or network integration.
5. **Initial Power-Up:** After verifying all connections, apply power to the PLC. Observe indicator lights for proper operation.

## 5. OPERATING INSTRUCTIONS

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The LRILLMAING 6ED1052-1MD08-0BA2 PLC operates based on the program loaded into its memory. Operation typically involves programming, monitoring, and executing control logic.

### Programming:

- Use compatible programming software on a computer to develop your control logic.
- Connect the computer to the PLC via the designated programming port.
- Download the compiled program to the PLC's memory.

### Run Mode:

- Once the program is downloaded, switch the PLC to RUN mode.
- The PLC will execute the control logic, reading inputs and controlling outputs according to the program.
- Monitor the status indicators on the PLC for operational status.

### Stop Mode:

- Switch the PLC to STOP mode to halt program execution for modifications or troubleshooting.

## 6. MAINTENANCE

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Regular maintenance ensures the longevity and reliable operation of your PLC.

- **Visual Inspection:** Periodically inspect the PLC and its wiring for any signs of damage, loose connections, or overheating.
- **Cleaning:** Keep the PLC free from dust and debris. Use a soft, dry cloth or compressed air for cleaning. Do not use liquid cleaners.
- **Environmental Control:** Ensure the operating environment remains within specified temperature and humidity limits.
- **Firmware Updates:** Check the manufacturer's website for any available firmware updates that may improve performance or address issues.
- **Backup Programs:** Regularly back up your PLC programs to prevent data loss.

## 7. TROUBLESHOOTING

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This section provides solutions to common issues you might encounter with the LRILLMAING 6ED1052-1MD08-0BA2 PLC.

Problem	Possible Cause	Solution
PLC does not power on	No power supply, incorrect wiring, faulty power supply	Check power connections, verify power supply voltage, test power supply unit.
Inputs not responding	Sensor fault, wiring error, incorrect program logic	Verify sensor operation, check input wiring, review PLC program logic.
Outputs not activating	Actuator fault, wiring error, incorrect program logic, overloaded output	Verify actuator operation, check output wiring, review PLC program logic, ensure output current limits are not exceeded.
Communication error	Incorrect cable, wrong communication settings, software issue	Check communication cable, verify baud rates and protocols, restart programming software.

If the problem persists after attempting these solutions, please contact technical support.

## 8. SPECIFICATIONS

The following are key specifications for the LRILLMAING 6ED1052-1MD08-0BA2 PLC.

Attribute	Value
Manufacturer	LRILLMAING
Model Number	6ED1052-1MD08-0BA2
Product Type	Programmable Logic Control Product
Condition	100% NEW, sealed in box
Date First Available	June 21, 2024

## 9. WARRANTY AND SUPPORT

This LRILLMAING 6ED1052-1MD08-0BA2 PLC comes with a **One-Year Warranty** from the date of purchase, covering manufacturing defects. Please retain your proof of purchase for warranty claims.

For technical support, troubleshooting assistance, or warranty inquiries, please contact your vendor or the manufacturer directly. The seller, Transnew-PLC, is devoted to providing excellent customer service and can be reached through their official channels.