

Lanlily 1734-OE2V

Lanlily 1734-OE2V Output Module User Manual

Model: 1734-OE2V

1. INTRODUCTION

This manual provides essential information for the installation, operation, maintenance, and troubleshooting of the Lanlily 1734-OE2V Output Module. This module is designed for industrial automation applications, providing analog voltage output capabilities. Please read this manual thoroughly before attempting to install or operate the device.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent personal injury and damage to the equipment:

- Ensure power is disconnected before installing, wiring, or removing the module.
- Only qualified personnel should perform installation and maintenance.
- Protect the module from moisture, dust, and extreme temperatures.
- Follow all local and national electrical codes.
- Do not operate the module outside its specified environmental limits.

3. PRODUCT OVERVIEW

The Lanlily 1734-OE2V is an analog output module designed for use in Programmable Logic Controller (PLC) systems. It provides two channels of analog voltage output, typically ranging from 0 to +10 Vdc or -10 to +10 Vdc, with a current output of 3 mA. This module is a critical component for controlling various industrial devices that require precise analog signals.

Key features include:

- Model: 1734-OE2V
- Type: Output Module
- Analog Voltage Output: 0 to +10 Vdc, 3 mA; -10 to +10 Vdc, 3 mA

- Compact design for POINT I/O systems.



Figure 3.1: Front view of the Lanlily 1734-OE2V Output Module, showing status indicators for Module Status, Network Status, and Analog Voltage Output channels (0 and 1).



Figure 3.2: Rear view of the Lanlily 1734-OE2V Output Module, displaying technical specifications, certifications (UL, Ex, CE, UKCA, EAC), and manufacturing details. It indicates a backplane supply of 5 Vdc, 75 mA, and output ranges.

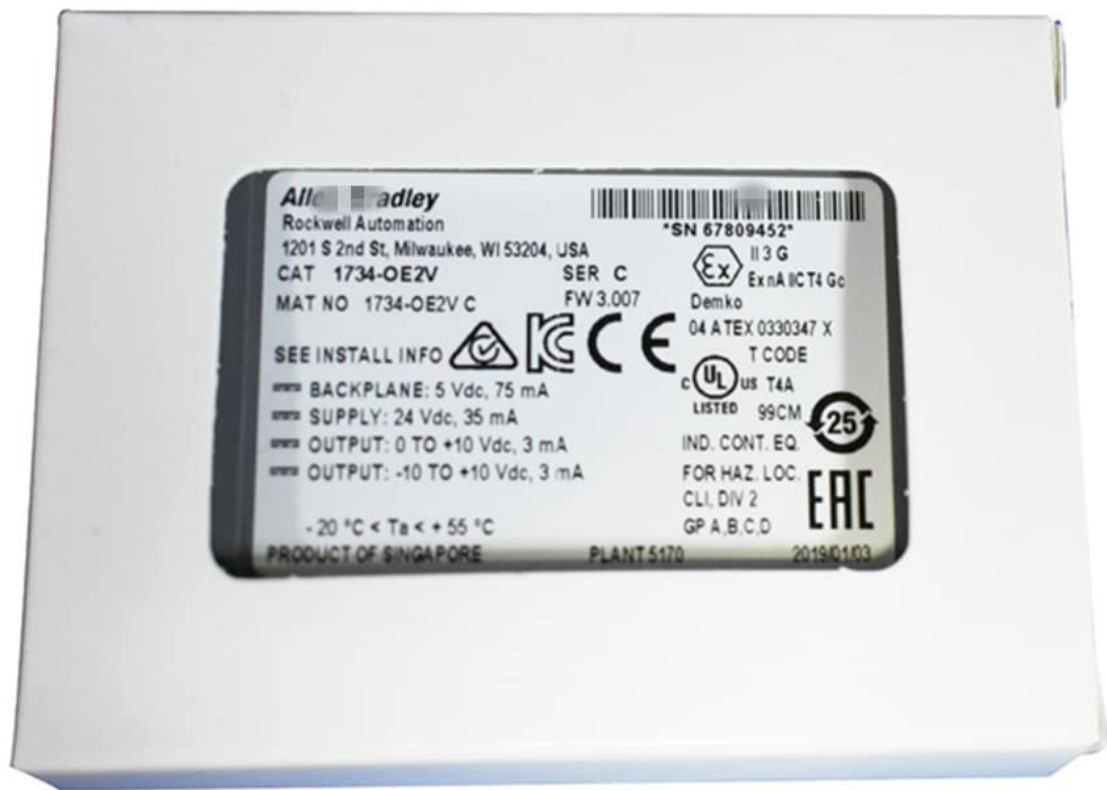


Figure 3.3: Packaging of the Lanlily 1734-OE2V Output Module, showing the product label with model number, serial number, firmware version, and manufacturing information.

4. WHAT'S IN THE BOX

Upon opening the package, verify that all components are present and undamaged:

- 1734-OE2V Output Module (1 unit)

5. SETUP AND INSTALLATION

The 1734-OE2V module is designed for installation in a compatible POINT I/O system chassis. Refer to the specific installation instructions for the POINT I/O system and the 1734-OE2V C module for detailed wiring and mounting procedures.

1. **Power Disconnection:** Ensure all power to the POINT I/O system is disconnected before beginning installation.
2. **Mounting:** Securely mount the module into an available slot on the POINT I/O backplane. Ensure it clicks into

place.

3. **Wiring:** Connect the analog output wiring to the appropriate terminals on the module. Pay close attention to polarity and signal type (voltage output). Refer to the wiring diagrams provided in the full installation manual for the 1734-OE2V C.
4. **Grounding:** Ensure proper grounding of the module and associated wiring to prevent electrical noise and ensure safety.
5. **Power Connection:** After all wiring is complete and verified, reconnect power to the system.

For detailed installation information, refer to the official documentation for "1734-OE2V C".

6. OPERATING INSTRUCTIONS

Once installed and powered, the 1734-OE2V module operates under the control of the PLC. The module receives digital commands from the PLC and converts them into analog voltage signals for connected devices.

- **Configuration:** The module's output range and scaling are typically configured within the PLC programming software. Consult your PLC's programming manual for details on configuring analog output modules.
- **Status Indicators:** Observe the "Module Status" and "Network Status" LEDs on the front of the module (refer to Figure 3.1). These indicators provide visual feedback on the module's operational state and network connectivity.
- **Output Verification:** Use appropriate measurement tools (e.g., a multimeter) to verify the analog voltage output at the terminals, ensuring it matches the programmed values.

7. MAINTENANCE

The Lanlily 1734-OE2V Output Module is designed for reliable operation with minimal maintenance. However, periodic checks can help ensure optimal performance and longevity.

- **Visual Inspection:** Regularly inspect the module and its wiring for any signs of damage, loose connections, or corrosion.
- **Environmental Control:** Ensure the operating environment remains within the specified temperature and humidity ranges. Keep the area free from excessive dust or contaminants.
- **Cleaning:** If necessary, gently clean the module's exterior with a soft, dry cloth. Do not use solvents or abrasive cleaners.
- **Firmware Updates:** Check the manufacturer's website periodically for any recommended firmware updates for the module. Follow update procedures carefully.

8. TROUBLESHOOTING

If the module is not functioning as expected, consider the following troubleshooting steps:

| Problem | Possible Cause | Solution |
|---|---|--|
| Module Status LED is off or red. | No power, module fault, or incorrect installation. | Verify backplane power. Re-seat the module. Check for system errors in the PLC software. |
| No analog output or incorrect output voltage. | Incorrect wiring, PLC programming error, or module fault. | Check wiring connections and polarity. Verify PLC program logic and output scaling. Test with a known good load. |
| Network Status LED is off or red. | Network communication issue. | Check network cable connections. Verify network configuration in PLC software. |

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

9. SPECIFICATIONS

| Parameter | Value |
|-------------------------|----------------------|
| Model Number | 1734-OE2V |
| Type | Output Module |
| Backplane Supply | 5 Vdc, 75 mA |
| Output (0 to +10 Vdc) | 3 mA |
| Output (-10 to +10 Vdc) | 3 mA |
| Operating Temperature | -20 °C < Ta < +55 °C |
| Manufacturer | Lanlily |
| Date First Available | August 1, 2022 |

10. WARRANTY AND SUPPORT

The Lanlily 1734-OE2V Output Module comes with a one-year warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For technical support, warranty claims, or further inquiries, please contact your vendor or the manufacturer directly. Ensure you have your product model number (1734-OE2V) and purchase details available when seeking support.