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CARLO GAVAZZI AMB-C-D11

CARLO GAVAZZI ELECTROMATIC AMB-C-D11 Timer User Manual

Model: AMB-C-D11

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of the CARLO GAVAZZI ELECTROMATIC AMB-C-D11 Timer. Please read this manual thoroughly before attempting to install or operate the device. Retain this manual for future reference.

2. SAFETY INFORMATION

WARNING: Risk of Electric Shock

- Installation and maintenance must be performed by qualified personnel only.
- Disconnect all power to the device before performing any installation, wiring, or maintenance.
- Ensure proper grounding to prevent electric shock.
- Do not operate the device if it is damaged or malfunctioning.
- Adhere to all local and national electrical codes.

3. PRODUCT DESCRIPTION

The CARLO GAVAZZI ELECTROMATIC AMB-C-D11 is a versatile industrial timer designed for precise control in various applications. It features a wide timing range from 0.1 seconds to 10 hours and supports multiple supply voltages, including 24VAC/DC and 115V. The timer utilizes an 11-pin base for secure and reliable connection within control panels.



An image showing the CARLO GAVAZZI ELECTROMATIC AMB-C-D11 industrial timer, typically featuring its housing, pin configuration, and control dials or indicators.

4. SETUP AND INSTALLATION

4.1 Mounting

The AMB-C-D11 timer is designed for panel mounting using a compatible 11-pin socket. Ensure the mounting location is free from excessive vibration, moisture, and extreme temperatures. Secure the socket firmly before inserting the timer.

4.2 Wiring

Refer to the wiring diagram provided on the timer's housing or in its accompanying technical datasheet for specific connection details. Ensure all connections are secure and correctly polarized. Use appropriate wire gauges for the applied voltage and current. Double-check all wiring before applying power.

- Connect the power supply (24VAC/DC or 115V) to the designated pins.
- Connect the load to the output relay contacts as per the application requirements.
- Ensure all connections comply with local electrical codes.

5. OPERATING INSTRUCTIONS

5.1 Setting the Time Range

The timer features a rotary switch or dip switches to select the desired time range (e.g., 0.1-1s, 1-10s, 1-10min, 1-10h). Adjust this switch to the appropriate range for your application.

5.2 Adjusting the Time Value

A fine-adjustment potentiometer or dial allows for precise setting of the time within the selected range. Rotate the dial to achieve the required delay or interval. Some models may include an indicator LED to show the timer's status (e.g., timing, output active).

5.3 Function Selection

If your specific AMB-C-D11 model supports multiple timing functions (e.g., On-delay, Off-delay, Interval), select the desired function using the dedicated switch or dip settings as per the product's technical documentation.

6. MAINTENANCE

The CARLO GAVAZZI AMB-C-D11 timer is designed for long-term, reliable operation with minimal maintenance. However, periodic checks are recommended:

- **Cleaning:** Keep the timer free from dust and debris. Use a soft, dry cloth for cleaning. Do not use abrasive cleaners or solvents.
- **Connections:** Periodically inspect wiring connections to ensure they remain tight and free from corrosion.
- **Environmental Conditions:** Ensure the operating environment remains within the specified temperature and humidity ranges.

WARNING: Disconnect power before any maintenance.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Timer not powering on	No power supply; incorrect voltage; faulty wiring	Check power source; verify voltage matches timer specifications; inspect wiring connections.
Timer not timing	Incorrect function selected; faulty input signal; timer malfunction	Verify function settings; check input signal to the timer; if problem persists, contact support.
Output not activating	Load wiring incorrect; load faulty; timer output relay failure	Check load connections; test the load independently; if timer output is faulty, replace the unit.

8. SPECIFICATIONS

- **Brand:** CARLO GAVAZZI
- **Model:** AMB-C-D11

- **Timing Range:** 0.1 seconds to 10 hours
- **Supply Voltage:** 24VAC/DC, 115V
- **Pin Configuration:** 11-PIN
- **Item Weight:** 0.6 Kilograms
- **Manufacturer Part Number:** AMB C D11
- **Unit Count:** 1.0 Count

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official CARLO GAVAZZI website or contact your authorized distributor. Keep your purchase receipt for warranty claims.