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Idec GT3W-A11AF20N

Idec GT3W-A11AF20N Recycle Timer Instruction Manual

Model: GT3W-A11AF20N

INTRODUCTION

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of the Idec GT3W-A11AF20N Recycle Timer. Please read this manual thoroughly before using the product to ensure safe and correct operation.

PRODUCT OVERVIEW

The Idec GT3W-A11AF20N is a versatile 8-pin plug-in DPDT recycle timer designed for industrial and automation applications. It operates on 120VAC/240VAC and has a 5A contact rating. This timer provides precise timing control for various processes.



Figure 1: Front view of the Idec GT3W-A11AF20N Recycle Timer, showing the control dials and indicator lights.

SAFETY INFORMATION

Always observe the following safety precautions to prevent electric shock, fire, or injury.

- Ensure power is disconnected before installation or maintenance.
- Only qualified personnel should perform installation and wiring.
- Do not disassemble or modify the timer.
- Verify correct voltage and current ratings before connecting.

SETUP AND INSTALLATION

1. Mounting

The GT3W-A11AF20N is an 8-pin plug-in type timer. It requires a compatible 8-pin socket for mounting. Ensure the socket is securely fastened to a panel or DIN rail.

2. Wiring

Refer to the wiring diagram for proper connections. Ensure all connections are secure and insulated.

- **Pin 2 & 7:** Power Supply (120VAC/240VAC)
- **Pin 1 & 8:** Common for DPDT contacts
- **Pin 3 & 4:** Normally Open (NO) contacts
- **Pin 5 & 6:** Normally Closed (NC) contacts

Note: Always confirm pin assignments with the product's label or datasheet before wiring.

OPERATING INSTRUCTIONS

1. Power On

Once wired correctly, apply power to the timer. The power indicator LED should illuminate.

2. Setting Time Ranges

The timer features adjustable time ranges. Use the rotary switches on the front panel to select the desired ON and OFF cycle times. The GT3W-A11AF20N is a recycle timer, meaning it continuously cycles between ON and OFF states.

3. Operation Mode

The timer will begin its cycle immediately upon power application or trigger, depending on the specific model variant. Monitor the output status indicator LEDs to confirm proper operation of the DPDT contacts.

MAINTENANCE

The Idec GT3W-A11AF20N Recycle Timer is designed for long-term, reliable operation with minimal maintenance.

- **Cleaning:** Keep the timer free from dust and debris. Use a soft, dry cloth for cleaning. Do not use solvents.
- **Inspection:** Periodically inspect wiring connections for tightness and signs of wear or damage.
- **Environment:** Ensure the operating environment remains within the specified temperature and humidity ranges.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Timer does not power on.	No power supply; incorrect wiring; faulty socket.	Check power source; verify wiring connections (Pins 2 & 7); test socket.
Output contacts do not switch.	Incorrect time setting; faulty timer; load issue.	Adjust time settings; test timer with a known good load; replace timer if necessary.
Timer cycles erratically.	Unstable power supply; electrical noise; internal fault.	Ensure stable power; check for sources of electrical interference; contact support if problem persists.

SPECIFICATIONS

- **Model:** GT3W-A11AF20N
- **Operating Voltage:** 120VAC/240VAC
- **Contact Configuration:** DPDT (Double Pole Double Throw)
- **Contact Rating:** 5A
- **Mounting:** 8-pin Plug-In
- **Dimensions:** Approximately 3 x 3 x 4 inches
- **Weight:** Approximately 4 ounces
- **Material:** Copper
- **Number of Settings:** 3

WARRANTY INFORMATION

Idec products are typically covered by a standard manufacturer's warranty against defects in materials and workmanship. For specific warranty terms and duration, please refer to the official Idec warranty statement or contact Idec customer service. Keep your purchase receipt as proof of purchase.

SUPPORT AND CONTACT

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Idec customer support.

Idec Corporation:

Website: us.idec.com

Phone: Refer to the official Idec website for regional contact numbers.

When contacting support, please have your product model number (GT3W-A11AF20N) and purchase details available.