

Intermatic WG1603-11D

Intermatic WG1603-11D Timer Clock Motor Instruction Manual

For T1900, T8800, and R8800 Series Time Clocks

1. INTRODUCTION

This manual provides essential instructions for the safe and proper installation, operation, and maintenance of the Intermatic WG1603-11D Timer Clock Motor. This motor is designed as a replacement component for Intermatic T1900, T8800, and R8800 series time clocks. Please read this manual thoroughly before proceeding with installation or operation.

2. SAFETY INFORMATION

WARNING: Risk of Electric Shock. Disconnect power at the circuit breaker or fuse box before installing or servicing this motor. Failure to do so may result in serious injury or death.

- Installation should be performed by a qualified electrician or authorized service personnel.
- Ensure the power supply matches the motor's voltage requirements (208-277V, 60Hz).
- Do not operate the motor if it appears damaged.
- Keep hands and tools clear of moving parts during operation.

3. SETUP AND INSTALLATION

The Intermatic WG1603-11D motor is a direct replacement for compatible Intermatic time clock series. Follow these steps for proper installation:

1. **Power Disconnection:** Locate the circuit breaker or fuse controlling the time clock and turn off the power supply. Verify that power is off using a voltage tester.
2. **Access Time Clock:** Open the time clock enclosure to access the existing motor.
3. **Disconnect Old Motor:** Carefully disconnect the wiring from the old motor. Note the orientation and connection points for reinstallation. The WG1603-11D features fixed tab connectors designed for easy slip-on connection.

4. **Remove Old Motor:** Unmount the old motor from its position within the time clock.
5. **Install New Motor:** Position the new Intermatic WG1603-11D motor in the same location as the old one. Ensure it is securely mounted.
6. **Connect Wiring:** Connect the fixed tab connectors of the new motor to the corresponding connection poles within the time clock. Ensure connections are secure and correct.
7. **Close Enclosure:** Close and secure the time clock enclosure.
8. **Restore Power:** Restore power to the time clock at the circuit breaker or fuse box.



Image 1: The Intermatic WG1603-11D Timer Clock Motor, showing its compact design and fixed tab connectors for easy installation.

4. OPERATING INSTRUCTIONS

Once the WG1603-11D motor is installed, the time clock will resume its normal operation. The motor itself does not require direct user interaction for operation; it functions as an internal component driving the time clock mechanism.

- Ensure the time clock is properly programmed according to its specific model's instructions.
- Verify that the time clock's hands or digital display are moving correctly after power restoration.

5. MAINTENANCE

The Intermatic WG1603-11D Timer Clock Motor is designed for long-term, maintenance-free operation. No routine lubrication or adjustment is required for the motor itself.

- Periodically inspect the time clock enclosure for dust, debris, or moisture accumulation.
- Ensure all electrical connections remain secure.
- If the time clock exhibits erratic behavior or stops functioning, refer to the troubleshooting section.

6. TROUBLESHOOTING

If the time clock is not functioning correctly after motor replacement, consider the following:

- **Time Clock Not Running:**
 - Check if power is supplied to the time clock. Verify the circuit breaker or fuse.
 - Ensure the motor's fixed tab connectors are securely attached to the time clock's terminals.
 - Confirm the motor's voltage (208-277V) matches the supply voltage.
 - Inspect for any visible damage to the motor or wiring.

- **Incorrect Time Keeping:**

- This motor is a replacement for the drive mechanism. If time keeping is incorrect, refer to the original time clock's manual for programming or adjustment instructions.
- Ensure the time clock is not subjected to extreme temperatures or vibrations that could affect its accuracy.

If issues persist, contact a qualified electrician or Intermatic customer support.

7. SPECIFICATIONS

Model Number	WG1603-11D
Voltage	208-277V
Frequency	60Hz
Compatibility	Intermatic T1900, T8800, R8800 Series Time Clocks
Connection Type	Fixed Tab Connectors
Material	Steel
Item Weight	0.2 Pounds (approx. 90.7 grams)
Product Dimensions	7 x 7 x 7 inches (approx. 17.8 x 17.8 x 17.8 cm)

8. WARRANTY AND SUPPORT

For warranty information and technical support regarding the Intermatic WG1603-11D Timer Clock Motor, please refer to the official Intermatic website or contact their customer service department. Keep your purchase receipt as proof of purchase.

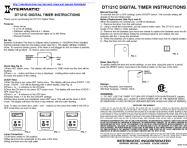
Intermatic Contact Information:

- [Official Intermatic Website](#)
- Refer to the original time clock's documentation or Intermatic's website for specific support contact details.



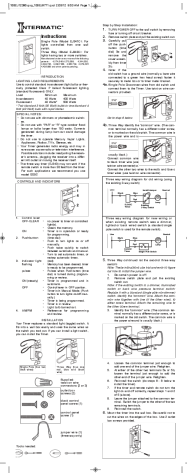
[Intermatic Mechanical Time Switches Product Catalog](#)

Comprehensive catalog of Intermatic mechanical time switches, including 24-hour, 7-day, short-range cycle, sprinkler/irrigation, and heavy-duty models. Features detailed specifications, applications, and model numbers.



[Intermatic DT121C Digital Timer: Instructions and Setup Guide](#)

Comprehensive instructions for setting up and operating the Intermatic DT121C Digital Timer, including features, programming, battery replacement, and warranty information.



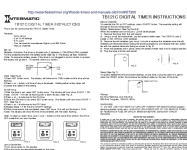
[Intermatic EJ341C/EJ343C Lighting Timer Switch Installation and Programming Guide](#)

Detailed instructions for installing and programming Intermatic EJ341C (Single Pole) and EJ343C (Three Way) lighting timer switches. Covers setup, controls, programming methods, troubleshooting, and specifications.



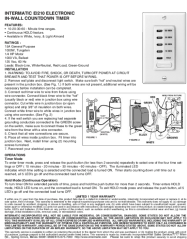
[Intermatic Timer Motor Selection and Replacement Guide](#)

A comprehensive guide from Zoro on how to select and replace a motor for an Intermatic timer, including diagnostic steps, part identification, and replacement procedures.



[Intermatic TB121C Digital Timer Instructions and Setup Guide](#)

Comprehensive instructions for setting up, operating, and maintaining the Intermatic TB121C Digital Timer, including features, wiring, and warranty information.



[Intermatic EI210 Electronic In-Wall Countdown Timer - Installation & Operation Guide](#)

Comprehensive guide for the Intermatic EI210 electronic in-wall countdown timer, detailing features, installation steps, operation modes (Timer and Hold), and warranty information. Includes technical specifications and contact details for Intermatic Incorporated.