

Intermatic WG1570

Intermatic WG1570 Replacement Time Clock Motor User Manual

For T101, T103, and T105 Time Switches

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the Intermatic WG1570 Replacement Time Clock Motor. This motor is designed for use with Intermatic T101, T103, and T105 series time switches, ensuring reliable timing functionality.

SAFETY INFORMATION

WARNING: Risk of electric shock. Disconnect power at the circuit breaker or fuse box before installing or servicing the timer motor. All electrical work should be performed by a qualified electrician or in accordance with local electrical codes.

- Ensure power is completely off before beginning any work.
- Verify voltage and frequency (125V, 60Hz) match your existing timer system.
- Do not operate the motor if it appears damaged.

PRODUCT OVERVIEW

The Intermatic WG1570 is a genuine replacement motor for various Intermatic mechanical time switches. It is engineered for durability and precise timing, featuring fixed tab connectors for straightforward installation.



Figure 1: Intermatic WG1570 Replacement Time Clock Motor. This image displays the compact motor unit with its metal casing, integrated gear, and two white wires terminating in ring terminals for electrical connection. The model number WG1570-5, voltage 125V, and frequency 60Hz are visible on the casing.

SPECIFICATIONS

Feature	Detail
Model Number	WG1570
Voltage	125 Volts
Frequency	60 Hz
Compatibility	Intermatic T101, T103, T105 Time Switches
Material	Metal
Dimensions	2.25 x 1.44 x 3.06 inches
Weight	2.89 ounces
Special Features	Shock and vibration resistant

INSTALLATION INSTRUCTIONS

This section outlines the steps for replacing the time clock motor in compatible Intermatic time switches. It is recommended to consult the original timer's manual for specific enclosure access procedures.

1. **Power Disconnection:** Locate the circuit breaker or fuse controlling the time switch and turn off the power completely. Verify power is off using a voltage tester.
2. **Access Timer Enclosure:** Open the time switch enclosure. This typically involves unscrewing a cover or latch.
3. **Identify Old Motor:** Locate the existing time clock motor. It will be a small, usually metal, unit with wires connected to the timer's terminals and a gear mechanism engaging with the timer dial.
4. **Disconnect Wires:** Carefully disconnect the wires from the old motor. Note their original connection points for correct re-installation. The WG1570 features fixed tab connectors that easily slip over the timer connection poles.
5. **Remove Old Motor:** Unscrew or unclip the old motor from its mounting bracket. There are typically a couple of screws holding it in place.
6. **Install New Motor:** Position the new Intermatic WG1570 motor in the same location as the old one. Secure it with the mounting screws. Ensure the motor's gear properly engages with the timer's main gear.
7. **Connect Wires:** Reconnect the motor wires to the appropriate terminals on the time switch. Ensure connections are secure.
8. **Close Enclosure:** Close and secure the time switch enclosure.
9. **Restore Power:** Turn the power back on at the circuit breaker or fuse box.
10. **Test Operation:** Observe the timer's operation to ensure the motor is functioning correctly and the clock is advancing.

OPERATING INSTRUCTIONS

The Intermatic WG1570 motor is an internal component responsible for driving the time-keeping mechanism of your Intermatic T101, T103, or T105 time switch. Once installed, its operation is integrated with the overall function of the time switch. Refer to your specific time switch's user manual for instructions on setting the time, programming ON/OFF cycles, and adjusting timer pins.

The motor continuously rotates the timer's clock dial at a rate of 60 Hz, ensuring accurate timekeeping for your programmed events.

MAINTENANCE

The Intermatic WG1570 motor is designed for long-term, maintenance-free operation. No routine lubrication or adjustment is required.

- Periodically inspect the time switch enclosure for dust, debris, or moisture. Keep the area clean and dry.
- Ensure all electrical connections remain secure.
- If the motor or timer exhibits unusual noise or erratic behavior, refer to the troubleshooting section.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Timer clock not advancing	No power to the timer; Motor failure; Main timer gear damage.	Check circuit breaker/fuse. Verify motor connections. If motor is new and still not advancing, inspect the main gear of the timer for broken teeth.
Motor making unusual noise	Motor malfunction; Gear misalignment.	Ensure motor gear is properly aligned with the timer's main gear. If noise persists, the motor may need replacement.
Timer not switching ON/OFF at programmed times	Incorrect timer programming; Motor not keeping accurate time.	Verify timer pin settings and current time. If the clock is not advancing accurately, the motor may be faulty.

WARRANTY INFORMATION

The Intermatic WG1570 Replacement Time Clock Motor comes with a**1-year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. For warranty claims or detailed terms, please contact Intermatic customer support.



SUPPORT

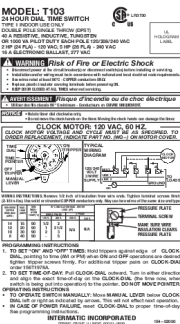
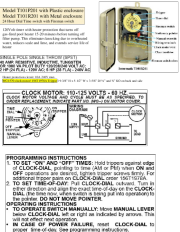

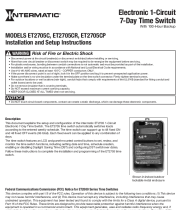
For technical assistance, replacement parts, or further inquiries regarding your Intermatic WG1570 motor or compatible time switches, please visit the official Intermatic website or contact their customer service department. Have your product model number (WG1570) and any relevant timer model numbers (T101, T103, T105) ready when contacting support.



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Related Documents - WG1570

	<p>Intermatic T100 Series Timer: Operation and Setting Guide</p> <p>A comprehensive guide on how to operate, set, and troubleshoot Intermatic T100 series mechanical timers, including safety instructions, component descriptions, and resources for support.</p>
	<p>How to Operate and Set Intermatic T100 Series Timers</p> <p>A comprehensive guide to operating and setting Intermatic T100 series mechanical timers, including models T101, T103, T104, T105, and T106. Learn about timer specifications, safety precautions, setting ON/OFF trippers, using manual override, and finding resources for troubleshooting and replacement parts.</p>

 <p>MODEL: T103 24-HOUR DIAL TIME SWITCH</p> <p>CAUTION: RISK OF FIRE OR ELECTRIC SHOCK SEE WARNING SECTION</p> <p>WARNING: Risk of Fire or Electric Shock</p> <p>INSTALLATION INSTRUCTIONS</p> <p>CAUTION: Before you begin installation, make sure the power is OFF.</p> <p>CLOCK MOTOR: 150 VAC, 60 HZ, 1/20 HP, 0.35 AMP, 1.0 WATT</p> <p>WIRING INSTRUCTIONS</p> <p>PROGRAMMING INSTRUCTIONS</p> <p>OPERATING INSTRUCTIONS</p> <p>INTERMATIC INCORPORATED</p>	<p>Intermatic T103 24-Hour Dial Time Switch: Installation and Operation Manual</p> <p>Detailed guide for the Intermatic T103 24-Hour Dial Time Switch, covering specifications, safety warnings, wiring instructions, programming, and operation. Suitable for indoor use with 120/208/240 VAC power.</p>
 <p>MODEL: T101P201/T101R201 24-HOUR TIME SWITCH WITH FIREMAN SWITCH</p> <p>CAUTION: RISK OF FIRE OR ELECTRIC SHOCK SEE WARNING SECTION</p> <p>WARNING: Risk of Fire or Electric Shock</p> <p>INSTALLATION INSTRUCTIONS</p> <p>CAUTION: Before you begin installation, make sure the power is OFF.</p> <p>CLOCK MOTOR: 150 VAC, 60 HZ, 1/20 HP, 0.35 AMP, 1.0 WATT</p> <p>WIRING INSTRUCTIONS</p> <p>PROGRAMMING INSTRUCTIONS</p> <p>OPERATING INSTRUCTIONS</p> <p>INTERMATIC INCORPORATED</p>	<p>Intermatic T101P201/T101R201 24-Hour Time Switch with Fireman Switch</p> <p>Detailed guide for Intermatic T101P201 (plastic) and T101R201 (metal) 24-hour dial time switches with fireman switch functionality for pool heaters. Includes wiring, programming, and operating instructions.</p>
 <p>MODEL: EI500 ELECTRONIC 7-DAY IN-WALL TIME SWITCH</p> <p>CAUTION: RISK OF FIRE OR ELECTRIC SHOCK SEE WARNING SECTION</p> <p>WARNING: Risk of Fire or Electric Shock</p> <p>INSTALLATION INSTRUCTIONS</p> <p>CAUTION: Before you begin installation, make sure the power is OFF.</p> <p>WIRING INSTRUCTIONS</p> <p>PROGRAMMING INSTRUCTIONS</p> <p>OPERATING INSTRUCTIONS</p> <p>INTERMATIC INCORPORATED</p>	<p>Intermatic EI500 Series 7-Day In-Wall Time Switch: Installation & User Guide</p> <p>Detailed installation and user instructions for the Intermatic EI500 Series Electronic 7-Day In-Wall Time Switch, covering features, ratings, wiring, programming, operating modes, and warranty information.</p>
 <p>MODEL: ET2705, ET2705CR, ET2705CP ELECTRONIC 1-CIRCUIT 7-DAY TIME SWITCH</p> <p>CAUTION: RISK OF FIRE OR ELECTRIC SHOCK SEE WARNING SECTION</p> <p>WARNING: Risk of Fire or Electric Shock</p> <p>INSTALLATION INSTRUCTIONS</p> <p>CAUTION: Before you begin installation, make sure the power is OFF.</p> <p>WIRING INSTRUCTIONS</p> <p>PROGRAMMING INSTRUCTIONS</p> <p>OPERATING INSTRUCTIONS</p> <p>INTERMATIC INCORPORATED</p>	<p>Intermatic ET2705 Series Electronic 7-Day Time Switch Installation and Setup Guide</p> <p>Comprehensive installation, setup, and programming guide for the Intermatic ET2705, ET2705CR, and ET2705CP Electronic 1-Circuit 7-Day Time Switches. Covers wiring, initial setup, scheduling, DST configuration, USB data transfer, and troubleshooting.</p>