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› [Intermatic WG733-14D 208/240/277V Time Clock Motor User Manual](#)

Intermatic WG733-14D

Intermatic WG733-14D Time Clock Motor User Manual

Model: WG733-14D | Brand: Intermatic

1. PRODUCT OVERVIEW

The Intermatic WG733-14D motor is a replacement component designed for use in specific Intermatic timer series. This motor is crucial for maintaining accurate timekeeping and operational cycles within compatible timer units.

Compatible Intermatic Timer Series:

- R8800 Series
- T1900 Series
- T1970 Series
- T8800 Series

This motor operates at 208/240/277V and 60 Hz, featuring 14-inch leads for connection.



Figure 1: Intermatic WG733-14D Time Clock Motor. This image displays the compact motor unit, showing its metal casing with model number "WG733", voltage "208/277 V", and frequency "60 HZ" clearly printed. The motor also features two

white insulated wires with crimped terminals for electrical connection and visible gears on one side, indicating its mechanical function within a timer.

2. SAFETY INFORMATION

WARNING: Electrical shock hazard. Always disconnect power at the circuit breaker or fuse box before installing or servicing this product. Failure to do so can result in serious injury or death.

- Installation should be performed by a qualified electrician or trained personnel.
- Ensure all wiring connections comply with local and national electrical codes.
- Verify the voltage and frequency of your timer system match the motor's specifications (208/240/277V, 60 Hz).
- Do not operate the motor if it appears damaged.

3. PACKAGE CONTENTS

The package contains the following item:

- 1 x Intermatic WG733-14D Time Clock Motor

4. TECHNICAL SPECIFICATIONS

Specification	Detail
Model Number	WG733-14D
Brand	Intermatic
Voltage	208/240/277 Volts AC
Frequency	60 Hz
Lead Length	14 inches
Material	Lead (wiring insulation)
Item Weight	1.58 ounces
Product Dimensions	1.25 x 1.38 x 2.13 inches

5. INSTALLATION INSTRUCTIONS

This section provides general guidance for replacing a time clock motor. Always refer to the specific instructions for your Intermatic timer series for detailed steps.

- 1. Disconnect Power:** Before beginning any work, ensure that power to the timer unit is completely disconnected at the main circuit breaker or fuse box. Verify with a voltage tester.
- 2. Access Timer:** Open the timer enclosure to access the internal components. This may involve removing screws or latches.
- 3. Identify Old Motor:** Locate the existing time clock motor within the timer. Note its mounting position and how it connects to the timer's gears and electrical terminals.
- 4. Disconnect Old Motor:** Carefully disconnect the electrical leads from the old motor. Note the polarity

if applicable, though most AC motors are not polarity sensitive. Detach the motor from its mounting bracket or clips.

5. **Install New Motor:** Position the new Intermatic WG733-14D motor in the same location as the old one. Secure it using the existing mounting hardware or clips.
6. **Connect Wiring:** Connect the 14-inch leads of the new motor to the appropriate terminals within the timer. Ensure connections are secure and free from loose strands.
7. **Verify Gear Engagement:** Confirm that the motor's drive gear properly engages with the timer's gear train. The gears should mesh smoothly without binding.
8. **Close Timer:** Carefully close the timer enclosure, ensuring all wires are clear of moving parts and pinch points.
9. **Restore Power:** Restore power to the timer unit at the circuit breaker. Observe the timer's operation to ensure the motor is functioning correctly and the clock is advancing.

If you are unsure about any step, consult a qualified electrician.

6. OPERATION

The Intermatic WG733-14D motor is an integral part of your compatible Intermatic time clock. Once correctly installed, it continuously rotates, driving the internal gears of the timer mechanism. This rotation ensures that the timer accurately tracks time and executes programmed switching operations (e.g., turning devices on or off) at the designated intervals.

The motor's function is automatic upon power supply, requiring no direct user interaction for its operation beyond the initial installation and ensuring continuous power to the timer unit.

7. MAINTENANCE

The Intermatic WG733-14D time clock motor is designed for long-term, maintenance-free operation. However, periodic inspection of the timer unit can help ensure its longevity and proper function:

- **Visual Inspection:** Annually, with power disconnected, visually inspect the motor and its connections for any signs of wear, corrosion, or damage.
- **Cleanliness:** Keep the timer enclosure clean and free from dust, debris, or insect infestations, which can impede gear movement or cause overheating.
- **Secure Connections:** Ensure all electrical connections remain tight and secure.

No lubrication or internal servicing of the motor is required.

8. TROUBLESHOOTING

If your Intermatic timer is not functioning correctly after motor replacement, consider the following troubleshooting steps:

Problem	Possible Cause	Solution
Timer clock does not advance.	No power to the timer. Motor not properly connected. Gears are jammed or misaligned.	Check circuit breaker and power supply. Verify motor wiring connections are secure (with power off). With power off, gently check gear engagement; ensure no obstructions.

Problem	Possible Cause	Solution
Timer makes unusual noise.	Gears are binding or damaged. Motor defect.	Disconnect power and inspect gears for damage or obstructions. If noise persists, the motor may be faulty.
Timer operates intermittently.	Loose electrical connections. Intermittent power supply.	With power off, check all wiring connections for tightness. Verify stable power supply to the timer.

If troubleshooting steps do not resolve the issue, it is recommended to contact Intermatic customer support or a qualified electrician.


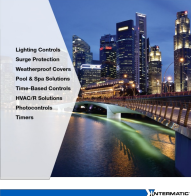
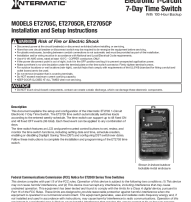
9. WARRANTY AND CUSTOMER SUPPORT



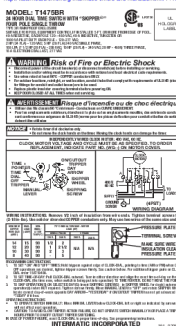
Warranty: The warranty information for the Intermatic WG733-14D Time Clock Motor is provided by the manufacturer. Please refer to the official Intermatic documentation or website for specific warranty details.

Customer Support: For technical assistance, replacement parts, or further inquiries, please contact Intermatic customer support directly. Contact information can typically be found on the Intermatic official website or product packaging.

Intermatic Official Website: www.intermatic.com

Related Documents - WG733-14D

	<p>Intermatic Mechanical Time Switches Product Catalog</p> <p>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.</p>
	<p>Intermatic Product Catalog: Comprehensive Controls for Lighting, HVAC, and More</p> <p>Explore the Intermatic Product Catalog featuring a wide range of lighting controls, time switches, occupancy sensors, surge protection, and weatherproof covers for residential, commercial, and industrial applications. Discover solutions for energy efficiency and automation.</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>

 <p>Operating Instructions Intermatic Digi 42 Series One Control. Electronic. 24 Hour or 7 Day Time Switches.</p>	<p>Intermatic Digi 42 Series Electronic Time Switch Operating Instructions</p> <p>Operating instructions for the Intermatic Digi 42 Series electronic time switches, covering installation, programming, and troubleshooting for 24-hour and 7-day schedules.</p>
 <p>Intermatic ET1100 Series Electronic Time Switches</p>	<p>Intermatic ET1100 Series Electronic Time Switches: Features, Specifications, and Models</p> <p>Detailed information on the Intermatic ET1100 Series 24-Hour Electronic Time Switches, including features, technical specifications, contact ratings, enclosure options, and model variations for accurate load control.</p>
 <p>http://waterheatertimer.org/Intermatic-timers-and-manuals.html#T1400 MODEL T1475BR 24 HOUR, 240 VOLT, 15 AMP DIAL TIME SWITCH</p>	<p>Intermatic T1475BR 24 Hour Dial Time Switch User Manual and Specifications</p> <p>Detailed manual and specifications for the Intermatic T1475BR 24 Hour Dial Time Switch. Includes installation, programming, operating instructions, wiring diagrams, and electrical load capacities for pool equipment and general use. Source: http://waterheatertimer.org/Intermatic-timers-and-manuals.html#T1400</p>