

Intermatic T104R3

Intermatic T104R3 Time Switch User Manual

Model: T104R3 | Brand: Intermatic

1. INTRODUCTION

The Intermatic T104R3 is a robust mechanical time switch engineered for reliable operation in various settings, including commercial, industrial, and residential environments. This device allows for precise scheduling of electrical loads, offering up to 12 ON/OFF operations per day. Its durable construction and high motor load ratings ensure long-lasting performance. This manual provides essential information for safe installation, operation, and maintenance of your time switch.

2. SAFETY INFORMATION

WARNING: RISK OF ELECTRICAL SHOCK

- Always turn power off at the main panel before servicing this switch or any equipment it controls.
- Use copper conductors only for wiring connections.
- Ensure the safety guard is reinstalled after completing all wiring.
- This portion of the safety guard may be removed if necessary to fit specific panel applications.

3. PRODUCT OVERVIEW



Figure 1: Internal view of the Intermatic T104R3 Time Switch, highlighting the timing dial and manual override switch.

The Intermatic T104R3 features a prominent yellow timing dial with markings for AM/PM hours. Two adjustable trippers (ON and OFF) are used to program the desired operation schedule. Below the dial, a manual override lever allows for temporary control of the connected load, bypassing the programmed schedule. A safety guard covers the wiring terminals, emphasizing the importance of electrical safety.

4. SETUP

4.1. Installation

1. **Power Disconnection:** Before beginning any installation, ensure the main power supply to the circuit is completely turned off at the breaker panel. Verify with a voltage tester.

- 2. **Mounting:** Securely mount the time switch enclosure to a suitable surface using appropriate hardware.
- 3. **Wiring:** Connect the electrical wiring to the designated terminals. Refer to the wiring diagram provided inside the enclosure or in the full product manual for specific connections. Ensure only copper conductors are used.
- 4. **Safety Guard:** After all wiring is complete and secure, reinstall the safety guard over the terminals.
- 5. **Power Restoration:** Once installation is complete and verified, restore power at the main panel.

4.2. Initial Time Setting

- 1. **Rotate Dial:** Grasp the outer edge of the yellow timing dial.
- 2. **Set Current Time:** Rotate the dial clockwise until the current time of day aligns with the stationary time pointer (usually located at the top of the dial). Ensure to differentiate between AM and PM hours.

5. OPERATING INSTRUCTIONS

5.1. Setting ON/OFF Operations

The T104R3 uses ON and OFF trippers to program the schedule. Each tripper represents a specific time for the connected load to turn ON or OFF.

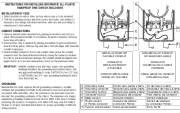

- 1. **Attach Trippers:** Slide the ON tripper (typically silver) onto the outer edge of the yellow dial at the desired ON time. Slide the OFF tripper (typically gold) onto the dial at the desired OFF time.
- 2. **Secure Trippers:** Ensure the trippers are firmly seated on the dial.
- 3. **Multiple Operations:** The time switch supports up to 12 ON/OFF operations per day. Additional trippers can be purchased separately if more than one ON/OFF cycle is required.
- 4. **Minimum Time:** The minimum ON or OFF time for any operation is 1 hour.

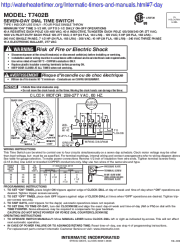

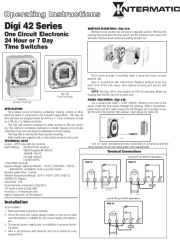

5.2. Manual Override

The manual override lever, located below the timing dial, allows you to temporarily control the connected load independently of the programmed schedule.

- **OFF Position:** Moves the lever to the

Related Documents - T104R3

	<p>Intermatic All-Plastic Rainproof Time Switch Enclosure Installation Instructions</p> <p>Detailed installation guide for the Intermatic all-plastic rainproof time switch enclosure, covering case mounting, conduit connections, and grounding requirements according to the National Electric Code.</p>
	<p>Intermatic ET2745 Time Switch: Installation & Setup Guide for 4-Circuit 365/7-Day Electronic Timer</p> <p>Detailed installation and setup instructions for the Intermatic ET2745 series 4-Circuit Electronic 365/7-Day Time Switch, covering configuration, programming, and troubleshooting for automated load control.</p>

	<p>Intermatic T7402B Seven-Day Dial Time Switch Manual</p> <p>Detailed instructions and specifications for the Intermatic T7402B Seven-Day Dial Time Switch, including wiring, programming, and operating instructions.</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>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 20 Memory Time Switch Instruction Manual</p> <p>Comprehensive guide for the Intermatic 20 Memory Time Switch, covering safety precautions, programming, time settings, pre-set and user-defined programs, and warranty information.</p>