

Intermatic ET1105C

Intermatic ET1105C 24-Hour Electronic Time Switch Instruction Manual

Model: ET1105C

INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of the Intermatic ET1105C 24-Hour Electronic Time Switch. This device is designed to control electrical loads with precise, programmable timing, offering an upgrade from mechanical time switches with features like up-to-the-minute programming, battery backup, and automatic daylight saving time corrections.

IMPORTANT SAFETY INFORMATION

WARNING: Risk of Fire or Electric Shock

- For plastic enclosures, bonding between conduit connections is not automatic and must be provided as part of the installation.
- If the power disconnect point is out of sight, lock it in the OFF position and tag it to prevent unexpected application of power.
- Ensure there is no wire insulation under the terminal plate on the time switch connector. Firmly tighten terminal screws.
- Replace plastic insulator covering terminals before powering ON.
- KEEP DOOR CLOSED AT ALL TIMES when not servicing.

AVERTISSEMENT: Risque d'incendie ou de choc électrique

Pour les boîtiers en plastique, la liaison entre les raccordements de conduits n'est pas automatique et doit être prévue dans le cadre de l'installation.

PRODUCT OVERVIEW



Image: Intermatic ET1105C Electronic Time Switch with its protective cover open, revealing the digital display, control buttons (MODE, RESET, ENTER/NEXT, ON/OFF, +, -), and the wiring terminal block at the bottom. The internal wiring diagram and specifications are visible on the left panel.

The Intermatic ET1105C is an electronic 24-hour time switch designed for direct control of loads up to 30 amps resistive or inductive, and tungsten loads. It features battery-powered carryover for program retention during power outages.

Control Panel

- **MODE Button:** Cycles through programming menus.
- **RESET Button:** Clears memory.
- **ENTER/NEXT Button:** Confirms selections and advances to the next step.
- **ON/OFF Button:** Manually turns the load ON or OFF, or toggles events.
- **+ / - Buttons:** Adjusts values (date, time, event settings).
- **LCD Display:** Shows current time, date, program status, and load status.

INSTALLATION

Voltage Selection

The ET1105C supports multi-volt operation from 120 to 277 VAC, 50/60 Hz. Refer to the internal instruction manual or wiring diagram for specific voltage selection procedures.

Wiring

Wiring should be performed by a qualified electrician in accordance with all local and national electrical codes.

1. Ensure all power to the circuit is disconnected at the main breaker before beginning installation.
2. Mount the time switch securely in the desired location.
3. Connect the power supply wires to the designated terminals.
4. Connect the load wires to the appropriate output terminals.
5. Ensure all terminal screws are firmly tightened and no wire insulation is caught under the terminal plate.
6. Replace the plastic insulator covering the terminals before restoring power.

Refer to the wiring diagram printed on the inside of the enclosure for detailed connection instructions.

OPERATING INSTRUCTIONS

Manual ON/OFF Operation

In either AUTO or MANUAL mode, press the **ON/OFF** button to manually toggle the load. The display will indicate if the load is currently ON or OFF.

Programming Steps

The time switch allows for up to 28 events (14 ON / 14 OFF).

1. **Accessing Menus:** Press the **MODE** button repeatedly to cycle through the programming menus (DATE, TIME, ON/OFF EVENTS).
2. **Setting Date:** When "SET DATE" appears, use the + or - keys to enter the current date. Press **ENTER** to confirm.
3. **Setting Time:** When "SET CLOCK" appears, use the + or - keys to enter the current time. Press **ENTER** to confirm.
4. **Setting ON/OFF Events:** When "ON/OFF EVENTS" appears, press the + or - button. The display will show "12:00 AM" with the load status (ON/@) and event number. Use the + or - keys to set the desired ON or OFF time and day(s) for the event. Press the **ON/OFF** load button to toggle the load status (ON or OFF). To clear an event, select "(nil)". Press **ENTER** to save the event and move to the next event, or press **MODE** to advance to AUTO run mode.

Automatic Mode (AUTO)

Press the **MODE** button repeatedly until "AUTO" appears on the display. In AUTO mode, the time switch will execute the programmed ON/OFF events. Manual overrides using the **ON/OFF** load button are temporary and will revert to the programmed schedule at the next event.

Editing and Reviewing Events

Events can be edited or reviewed by returning to the appropriate menu using the **MODE** button.

MAINTENANCE

Battery Replacement

The time switch uses two industrial-grade AAA standard non-rechargeable 1.5-volt alkaline batteries for program retention.

1. To replace the battery, locate the battery tray.
2. Pull the battery tray out and downward to remove the battery holder.
3. Replace the batteries, observing correct polarity.
4. The batteries should be replaced approximately every 3 years after installation.

SPECIFICATIONS

| Feature | Specification |
|--------------|--------------------|
| Model | ET1105C |
| Timer Supply | 120-277 VAC, 60 Hz |

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|-----------------------|---|
| Max Power Consumption | 6.0 W |
| Switch Rating (SPST) | 30 A Inductive/Resistive 120/240 VAC, 60 Hz |
| DC Resistive | 20 A Resistive 28 VDC |
| HP Rating (120 VAC) | 1 HP |
| HP Rating (240 VAC) | 2 HP |
| Tungsten Load | 5 A Tungsten 120/240 VAC, 60 Hz |
| Ballast Load | 20 A Ballast 120-277 VAC, 60 Hz |
| Number of Events | Up to 28 (14 ON/14 OFF) |
| Battery Type | 2 x AAA Alkaline (included) |
| Battery Life | Approximately 3 years |
| Enclosure Type | Type 1 Steel Enclosure |
| Dimensions | 3.25"D x 5.5"W x 8"H |
| Item Weight | 2.8 Pounds |

WARRANTY



This product comes with a 1-year limited warranty. For detailed warranty information and claims, please contact Intermatic customer support.





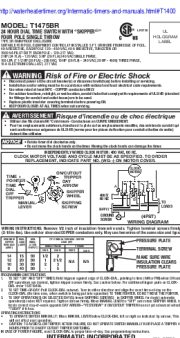
SUPPORT

For technical assistance, troubleshooting, or further information, please visit the official Intermatic website or contact their customer service department.

Intermatic Incorporated, Spring Grove, Illinois 60081-9698

Related Documents - ET1105C

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|  <p>Instruction Manual</p>  <p>50 memories time switch</p> | <p>Intermatic GMXFM1 Electronic Time Switch Instruction Manual</p> <p>Instruction manual for the Intermatic GMXFM1 electronic time switch, covering safety precautions, symbols, initial setup, programming, time settings, daylight saving adjustments, operating modes, and warranty information.</p> |
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|  | <p>Intermatic ET1100 Series Electronic 24-Hour Time Switch Installation and User Instructions</p> <p>Installation and user instructions for the Intermatic ET1100 Series Electronic 24-Hour Time Switch. Covers setup, programming, specifications, and warranty information for models ET1105C and ET1125C.</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>Intermatic T170, T1400 & T1800 Series Electromechanical Time Switches</p> <p>Comprehensive details on Intermatic T170, T1400, and T1800 Series 24-Hour Electromechanical Time Switches, covering features, specifications, ratings, model variations, and wiring diagrams for commercial, industrial, and residential applications.</p> |
|  | <p>Intermatic ET1100 Series Electronic 24-Hour Time Switch Installation and User Instructions</p> <p>Comprehensive guide for installing and operating the Intermatic ET1100 Series Electronic 24-Hour Time Switch. Learn about specifications, wiring, programming, and maintenance for efficient load control.</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> |