

## Intermatic ET8015C

# Intermatic ET8015C Digital Timer User Manual

Model: ET8015C | Brand: Intermatic

## 1. INTRODUCTION

The Intermatic ET8015C is a 120-277V, 30A SPST 7-day astronomic digital timer designed for automated load switching. This device offers precise, to-the-minute programming and features an astronomic function that automatically adjusts for sunset and sunrise times, eliminating the need for separate photo controls. Its independent 7-day programming provides flexibility for varying weekly schedules.

Key features include:

- Automated load switching based on preset weekly schedules.
- Multi-volt operation (120-277 VAC, 50/60 Hz) for versatile compatibility.
- To-the-minute programming for precise control and energy cost reduction.
- Astronomic feature for intelligent control, providing sunset ON and sunrise OFF settings.
- Battery backup for power loss and automatic daylight saving time corrections.
- Up to 28 programmable events.



Figure 1: Intermatic ET8015C Digital Timer with open enclosure, showing the control panel and wiring terminals.

## 2. SAFETY INFORMATION

### WARNING: RISK OF FIRE OR ELECTRIC SHOCK

- For proper installation, bonding between conduit connections is not automatic and must be provided as part of the installation.
- For outdoor locations or wet locations (rain-tight), conduit hubs must comply with requirements of the UL514B standard for fitting conduit and outlet boxes and are to be used.
- This enclosure does not provide grounding between conduit connections. When metallic conduit is used, you must also install grounding type bushings and jumper wire.
- Before performing any work on the timer switch, lock it in the OFF position and tag it to prevent unexpected application of power.

- Make sure 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.

Always consult a qualified electrician for installation to ensure compliance with local electrical codes and safety standards.

### 3. SETUP AND INSTALLATION

Installation of the ET8015C timer should be performed by a qualified professional. Refer to the wiring diagram provided on the inside of the timer's enclosure for specific connections. The timer supports direct control of loads up to 30 amps resistive or inductive and tungsten loads up to the switch rating shown above.

#### 3.1. Wiring Connections

Ensure power is disconnected before beginning any wiring. The timer features terminals for Neutral, Line 1, Line 2, Load 1, Load 2, and Load 3 (if applicable for multi-circuit models). For the 1-Circuit/30-Amp model (ET8015C), connect the incoming power lines and outgoing load lines according to the diagram on the unit.



Figure 2: Example of internal wiring and terminal layout for the Intermatic ET8015C. Always refer to the diagram on your specific unit for accurate connections.

Ensure all wire insulation is clear of terminal plates and that terminal screws are firmly tightened to prevent loose connections.

#### 3.2. Battery Installation

The unit requires 2 AAA batteries (included) for memory backup during power outages. Install these batteries in the designated battery compartment before initial setup.

### 4. OPERATING INSTRUCTIONS

The ET8015C offers various programming modes to control your lighting or other loads. The display indicates the current time, day, and load status.

## 4.1. Initial Setup and Clock Setting

1. Press the **MODE** button repeatedly until **SET DATE** appears in the upper portion of the display.
2. Set the current date using the **+** or **-** keys, then press **ENTER**.
3. Press the **MODE** again until **SET CLOCK** appears.
4. Set the current time using the **+** or **-** keys, then press **ENTER**.
5. The timer will automatically adjust for Daylight Saving Time once the date and time are set.

## 4.2. Programming Events (ON/OFF Times)

The timer supports up to 28 events. You can program specific ON and OFF times for each day of the week, or use the astronomic feature.

1. Press the **MODE** button until **SET EVENT** appears.
2. Use **+** or **-** to select the event number (e.g., 1 ON, 1 OFF). Press **ENTER**.
3. Set the desired time for the event using **+** or **-**. Press **ENTER**.
4. Select the days of the week for this event using the **DAY** button. You can select individual days, weekdays, weekends, or all days. Press **ENTER**.
5. Repeat for all desired ON/OFF events.

## 4.3. Astronomic Feature

The astronomic feature allows the timer to automatically turn loads ON at sunset and OFF at sunrise, based on your geographical location. This feature can be combined with independent programs for enhanced flexibility.

1. Press the **MODE** button until **SET ASTRO** appears.
2. Set your geographical zone using the **+** or **-** keys. Refer to the manual for zone details. Press **ENTER**.
3. You can manually adjust sunset/sunrise times by up to 2 hours earlier or later if needed.

## 4.4. Manual ON/OFF

To manually turn the load ON or OFF, press the **ON/OFF** button. The display will indicate if the load is currently ON or OFF.

# 5. MAINTENANCE

The Intermatic ET8015C is designed for long-term, reliable operation with minimal maintenance.

## 5.1. Cleaning

Wipe the exterior of the timer with a soft, dry cloth. Do not use abrasive cleaners or solvents.

## 5.2. Battery Replacement

The timer uses 2 AAA alkaline batteries for memory backup. While the batteries are included, it is recommended to replace them periodically (e.g., every 3-5 years) to ensure continuous programming retention during power outages. Use high-quality alkaline batteries for best performance.

# 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Timer display is blank.	No power to the unit or dead batteries.	Check power supply. Replace AAA batteries.
Load does not turn ON/OFF as programmed.	Incorrect programming, manual override, or wiring issue.	Verify programmed events. Check if manual override is active. Inspect wiring connections.
Astronomic feature not working correctly.	Incorrect date/time or geographical zone setting.	Re-enter current date and time. Verify correct astronomic zone setting.
Difficulty with programming.	Unfamiliarity with menu navigation.	Carefully re-read the "Operating Instructions" section. Practice navigating through the modes.

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

## 7. SPECIFICATIONS

Feature	Detail
Model Number	ET8015C
Voltage	120-277 VAC
Amperage	30A SPST
Frequency	50/60 Hz
Number of Circuits	1-Circuit
Enclosure Type	Type 1 Steel Enclosure (NEMA 1)
Programming	7-Day Astronomic Digital
Max Settings	28 events
Battery Type	2 AAA batteries (included)
Operating Temperature	-40°F to 104°F (-40°C to 40°C)
Item Weight	2.77 pounds
Product Dimensions	3.44 x 5.13 x 7.88 inches
Material	Metal
Color	Gray
Mounting Type	Wall Mount

## 8. WARRANTY AND SUPPORT

The Intermatic ET8015C comes with a 1-year limited warranty. For warranty claims or technical support, please contact Intermatic customer service.

For additional resources and frequently asked questions, visit the official Intermatic website or refer to the

full product manual.

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