Manuals+

Intermatic EI400C

Intermatic EI400C Electronic Countdown In-Wall Timer User Manual

Model: EI400C

1. INTRODUCTION

The Intermatic EI400C Electronic Countdown In-Wall Timer is designed to provide automatic shut-off functionality for various electrical loads, including indoor and outdoor lighting, bathroom fans, whole house fans, and other appliances. This timer offers precise control from 1 second to 24 hours, enhancing convenience and energy efficiency in your home or office. Its silent operation and simple push-button interface make it user-friendly, while its no-neutral wire requirement simplifies installation in most standard wall boxes.

2. IMPORTANT SAFETY INFORMATION

WARNING: Risk of Electric Shock. Improper installation can lead to serious injury or death.

- Always turn off power at the circuit breaker or fuse box before installing or servicing the timer.
- Installation should be performed by a qualified electrician or in accordance with all local and national electrical codes.
- Do not use this timer with sunlamps, saunas, or any loads that could cause personal injury if timed incorrectly or if the timer malfunctions.
- Ensure all wire connections are secure and properly insulated.
- This device is intended for indoor use only.

3. PRODUCT OVERVIEW

The Intermatic EI400C is an electronic countdown timer designed for in-wall installation. It features a digital display and intuitive controls for setting countdown durations.

3.1 Components

- **Digital Display:** Shows current time and countdown status.
- **On/Off Button:** Activates or deactivates the timer.
- **Plus (+)** / **Minus (-) Buttons:** Adjust countdown duration.
- **Pause Button:** Temporarily stops the countdown.
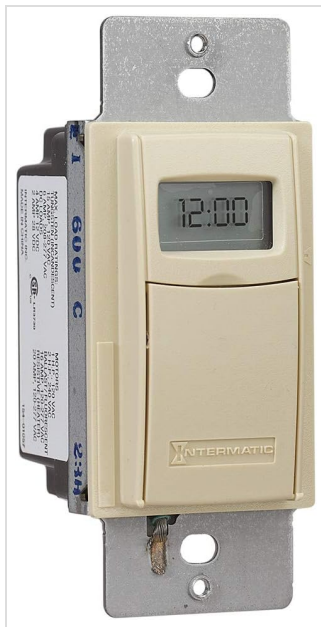- **Battery Compartment:** Houses the CR2 lithium battery.

3.2 Product Images

Figure 1: Intermatic EI400C Electronic Countdown Timer installed in a wall plate, showing the digital display.

Figure 2: Front view of the EI400C timer module, revealing its compact design before wall plate installation.

Figure 3: Side view of the EI400C timer, illustrating the wiring terminals and load ratings printed on the side.

Figure 4: The EI400C timer with its front cover opened, exposing the 'pause', 'on/off', and adjustment buttons for programming.

4. Sᴇᴛᴜᴘ ᴀɴᴅ Iɴꜱᴛᴀʟʟᴀᴛɪᴏɴ

The Intermatic EI400C timer is designed for easy installation, compatible with single-pole or 3-way switch configurations and does not require a neutral wire connection.

4.1 Pre-Installation Steps

1. **Turn off Power:** Locate the circuit breaker or fuse that controls the switch you are replacing and turn off the power. Verify power is off using a voltage tester.
2. **Remove Existing Switch:** Carefully remove the wall plate and unscrew the existing switch from the wall box. Disconnect the wires from the old switch.

4.2 Wiring Instructions

The EI400C timer is compatible with both single-pole and 3-way switch setups. Refer to the diagram provided with your product for specific wiring configurations. Generally, the timer will have two load wires and a ground wire. For 3-way applications, one of the traveler wires from the existing 3-way switch will be connected to the timer.

- Connect the timer's wires to the corresponding house wires using wire nuts.
- Ensure all connections are tight and secure.
- The EI400C does not require a neutral wire, simplifying installation in older homes.

4.3 Mounting and Finalizing Installation

1. Carefully push the wired timer into the wall box.
2. Secure the timer to the wall box with the provided screws.
3. Attach the decorative wall plate.
4. **Restore Power:** Turn the power back on at the circuit breaker.

4.4 Battery Installation

The timer comes with a replaceable CR2 lithium battery, which powers the internal clock and settings memory. The battery is typically pre-installed or needs to be inserted upon initial setup.

- Open the small front cover of the timer to access the battery compartment.
- Insert the CR2 lithium battery, observing the correct polarity.
- Close the battery compartment cover securely.

5. OPERATING INSTRUCTIONS

The EI400C timer offers simple, push-button operation for setting countdown durations from 1 second to 24 hours.

5.1 Setting a Countdown Time

1. **Access Controls:** Gently open the front cover of the timer to reveal the control buttons.
2. **Adjust Time:** Use the **+** and **-** buttons to set the desired countdown duration. The display will show the selected time.
3. **Start Timer:** Press the **On/Off** button to activate the timer. The connected load will turn on, and the timer will begin counting down.

5.2 Turning Off Before Countdown Ends

If you wish to turn off the connected load before the set countdown time expires, simply press the **On/Off** button again. This will immediately turn off the load and reset the timer.

5.3 Pause Function

Press the **Pause** button to temporarily halt the countdown. The connected load will remain on. Press **Pause** again to resume the countdown.

5.4 Lockable Settings

The timer features lockable settings to prevent unintended changes to the program. Refer to the detailed instructions included in the product packaging for how to activate and deactivate this feature.

5.5 Visual/Audible Warnings

The EI400C can be configured to provide a visual or audible warning before the timer turns off. Consult the full product manual for steps on enabling and customizing these warning options.

5.6 Instructional Video

Your browser does not support the video tag.

Video 1: An official Intermatic video providing an overview of their in-wall timers, including the EI400 series. This video demonstrates general features and benefits of Intermatic in-wall timers, which are applicable to the EI400C model.

6. MAINTENANCE

The Intermatic EI400C timer requires minimal maintenance, primarily focusing on battery replacement.

6.1 Battery Replacement

The internal CR2 lithium battery provides power for the timer's memory and display, typically lasting up to three years. When the battery is low, a 'LoBatt' indicator may appear on the display.

1. Open the front cover of the timer.
2. Carefully remove the old CR2 battery from its compartment.
3. Insert a new CR2 lithium battery, ensuring correct polarity.
4. Close the front cover securely.

Note: Some users have reported that the battery compartment cover can be difficult to open or may not stay securely closed after multiple battery changes. Exercise care when opening and closing the compartment. If the cover does not stay closed, ensure the battery makes proper contact.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your Intermatic EI400C timer.

Problem	Possible Cause	Solution
Timer display is blank or shows 'LoBatt'	Low or dead CR2 battery, or poor battery contact.	Replace the CR2 lithium battery. Ensure the battery is inserted correctly and the compartment cover is securely closed to maintain contact.
Timer shows 'NoOP' error	Indicates a problem with battery contact or internal operation.	Check and re-seat the CR2 battery. If the issue persists, the unit may require replacement.

Problem	Possible Cause	Solution
Connected load does not turn on/off	No power to the timer, incorrect wiring, or faulty load.	Verify power at the circuit breaker. Double-check wiring connections according to the installation instructions. Test the connected load (e.g., light bulb) with a different switch or power source.
Difficulty opening battery compartment cover	Tight fit or worn plastic tabs.	Use a small, flat-head screwdriver to gently pry open the cover. Be careful not to damage the plastic tabs.
Timer does not hold settings after power outage	Dead or missing CR2 battery.	The CR2 battery maintains settings during power outages. Ensure it is installed and functional.

8. SPECIFICATIONS

Feature	Detail
Model Number	EI400C
Brand	Intermatic
Color	Ivory
Material	Plastic
Voltage	120-277 VAC
Maximum Load	20 Amps
Timer Range	1 Second to 24 Hours
Switch Type	Single-pole or 3-way
Mounting Type	Standard Wall Box, Rectangular Decorator Wall Plate
Battery Required	1 CR2 Lithium (included)
Battery Life	Up to 3 years
Dimensions	4.13 x 1.75 x 1.2 inches
Item Weight	6 ounces (0.38 Pounds)
Certification	CSA Certified
UPC	078275101371

9. WARRANTY & SUPPORT

9.1 Warranty Information

The Intermatic EI400C Electronic Countdown In-Wall Timer comes with a **5-year limited warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.
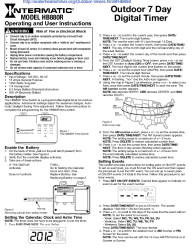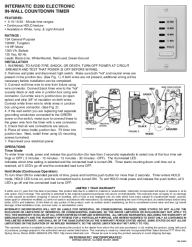
9.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Intermatic customer support. Refer to the official Intermatic website or the product packaging for the most current contact information.

Online Resources: Visit the Intermatic Store on Amazon for additional product information and resources.

Related Documents - EI400C

[Intermatic HB880R Outdoor 7-Day Digital Timer: Operating Instructions & Setup Guide](#)
Comprehensive user manual for the Intermatic HB880R outdoor 7-day digital timer. Learn how to install, program, set schedules, and troubleshoot this versatile time switch.

[Intermatic EI200 Electronic In-Wall Countdown Timer - Installation and Operation Guide](#)
Detailed guide for the Intermatic EI200 Electronic In-Wall Countdown Timer. Covers features, ratings, installation steps, operation modes (Timer Mode, Hold Mode), and a 1-year limited warranty. Includes wiring diagrams and safety warnings.

[Intermatic ET8215C Electronic Timer Control - Technical Data](#)
Detailed technical specifications for the Intermatic ET8215C Electronic Timer Control, an astronomic 7-day, 2-circuit electronic control suitable for 120-277 VAC applications in an indoor metal enclosure.

[Intermatic ST01 Series Digital In-Wall Timers - Specifications and Features](#)

Detailed specifications, features, ratings, and installation diagrams for the Intermatic ST01 Series Digital In-Wall Timers. Easy-to-program timers with astronomic features for sunrise and sunset switching.

[Intermatic EJ351 Indoor Wall Switch Timer: Installation and User Instructions](#)

This document provides installation and user instructions for the Intermatic EJ351 Indoor Wall Switch Timer. It covers specifications, wiring, programming methods (Rapid and 24-Hour), everyday use, troubleshooting, and a one-year limited warranty.

[Intermatic EI220 Electronic In-Wall Countdown Timer: Installation and Operation Guide](#)

Comprehensive guide for installing and operating the Intermatic EI220 electronic in-wall countdown timer. Covers features, electrical ratings, step-by-step installation, operational modes (Timer and Hold), and warranty information.