

Intermatic EI400WC

Intermatic EI400WC Electronic Auto-Off Timer

USER INSTRUCTION MANUAL

Model: EI400WC | Brand: Intermatic

1. Introduction

The Intermatic EI400WC Electronic Auto-Off Timer is designed to provide convenient and energy-efficient control over various electrical loads. This in-wall timer allows for precise countdown timing from 1 second to 24 hours, making it suitable for a wide range of applications including lighting, fans, and appliances. Its user-friendly interface and robust design ensure reliable operation.

2. Safety Information

WARNING: Risk of Electric Shock. May result in serious injury or death. Turn power OFF at circuit breaker before installing.

- Installation should be performed by a qualified electrician or trained personnel.
- Ensure all local and national electrical codes are followed.
- Do not use with sunlamps, saunas, or loads that could cause personal injury if timed incorrectly.
- Verify that the timer's voltage and current ratings are compatible with your application.
- This device is intended for indoor use only.

3. Package Contents

- Intermatic EI400WC Electronic Auto-Off Timer
- Mounting Screws
- Wire Nuts
- Instruction Manual (this document)

4. Installation

The EI400WC timer is designed for easy installation, compatible with both single-pole and 3-way switch configurations. It

does not require a neutral wire connection, simplifying retrofitting.

4.1. Wiring Diagram Overview

Below is an image of the Intermatic EI400WC timer, showing its compact design and wiring leads for installation into a standard wall box.



Figure 1: Intermatic EI400WC Electronic Auto-Off Timer with wiring leads.

4.2. Installation Steps

1. **Turn off power:** Locate the circuit breaker controlling the switch you are replacing and turn it OFF. 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.
3. **Connect the timer:**

- Connect the timer's wires to the corresponding house wires using the provided wire nuts. Refer to the specific wiring diagram for single-pole or 3-way applications.
 - The EI400WC does not require a neutral wire, simplifying connections.
 - Ensure all connections are secure.
4. **Mount the timer:** Gently push the connected wires back into the wall box. Secure the timer to the wall box using the mounting screws.
 5. **Install wall plate:** Attach the new or existing wall plate over the timer.
 6. **Restore power:** Turn the power back ON at the circuit breaker.

4.3. Installation Video Guide

For a visual guide on installing and setting up Intermatic in-wall timers, including the EI400 series, please watch the following video. The relevant section for programmable electronic timers begins at 0:55.



Video: Intermatic In-Wall Timer Overview. This segment specifically covers the EI400 programmable electronic countdown timer, demonstrating its features and installation considerations.

5. Setup and Programming

The EI400WC timer offers simple programming for countdown times from 1 second to 24 hours. Settings are stored in a non-volatile memory.

1. **Setting the Countdown Time:** Use the '+' and '-' buttons on the timer to adjust the desired countdown duration. The digital display will show the selected time.
2. **Activating the Timer:** Press the 'on/off' button once to activate the countdown. The connected load will turn ON and remain on for the programmed duration.
3. **Audible/Visual Warning:** The timer can be configured to provide a visual or audible warning before the countdown expires and the load turns OFF. Refer to the detailed manual for specific warning setup.
4. **Lockable Settings:** To prevent unintended changes to the programmed settings, the timer features a lockable setting. Consult the full manual for instructions on enabling/disabling this feature.

6. Operating Instructions

- **Starting a Countdown:** Once the desired time is set, press the 'on/off' button to begin the countdown. The load will turn ON.
- **Stopping the Countdown Early:** If you wish to turn off the connected load before the programmed time expires, simply press the 'on/off' button again. The load will turn OFF immediately.
- **Pausing the Timer:** The 'pause' button allows you to temporarily halt the countdown. Press it once to pause, and again to resume.

7. Maintenance

The Intermatic EI400WC timer is designed for minimal maintenance. The internal CR2 lithium battery provides power for up to three years and is replaceable.

7.1. Battery Replacement

1. **Turn off power:** For safety, turn off power to the timer at the circuit breaker before replacing the battery.

- 2. **Access battery compartment:** Locate the battery compartment, usually behind a small cover on the front or side of the timer.
- 3. **Replace battery:** Remove the old CR2 lithium battery and insert a new one, ensuring correct polarity.
- 4. **Close compartment:** Securely close the battery compartment cover.
- 5. **Restore power:** Turn the power back ON at the circuit breaker.

8. Troubleshooting

Problem	Possible Cause	Solution
Timer does not turn ON/OFF load.	No power to the timer; incorrect wiring; dead battery.	Check circuit breaker. Verify wiring connections. Replace CR2 battery.
Display is blank or dim.	Low or dead battery.	Replace the CR2 lithium battery.
Timer does not hold settings.	Battery issue; settings not locked.	Ensure battery is fresh and properly installed. Check if lockable settings are enabled (refer to full manual).

If the problem persists after attempting these solutions, please contact Intermatic customer support.

9. Specifications

- **Model:** EI400WC
- **Voltage:** 120-277 VAC
- **Current Rating:** Up to 20 Amps
- **Timer Range:** 1 second to 24 hours
- **Battery:** 1 x CR2 Lithium (included, replaceable)
- **Material:** Plastic
- **Color:** White
- **Dimensions:** 4.13 x 1.75 x 1.2 inches (Product Dimensions)
- **Weight:** 6.08 ounces
- **Compatibility:** Single-pole or 3-way switch compatible
- **Certifications:** CSA Certified

10. Warranty and Support

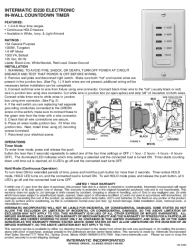
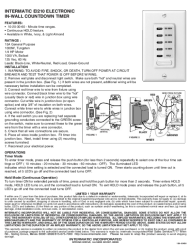
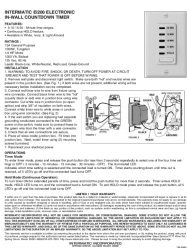


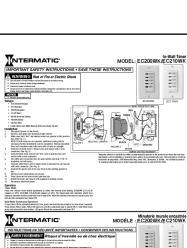
The Intermatic EI400WC Electronic Auto-Off Timer comes with a**5-year limited warranty** from the date of purchase. This warranty covers defects in material and workmanship under normal use and service.

For warranty claims, technical support, or further assistance, please visit the official Intermatic website or contact their customer service department. Keep your proof of purchase for warranty validation.

Intermatic Official Website: www.intermatic.com



Related Documents - EI400WC

	<p>Intermatic EI220 Electronic In-Wall Countdown Timer: Installation and Operation Guide</p> <p>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.</p>
	<p>Intermatic EI210 Electronic In-Wall Countdown Timer - Installation & Operation Guide</p> <p>Comprehensive guide for the Intermatic EI210 electronic in-wall countdown timer, detailing features, installation steps, operation modes (Timer and Hold), and warranty information. Includes technical specifications and contact details for Intermatic Incorporated.</p>
	<p>Intermatic EI200 Electronic In-Wall Countdown Timer - Installation and Operation Guide</p> <p>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.</p>
	<p>Intermatic EI205 Electronic In-Wall Countdown Timer: Installation and Operation Guide</p> <p>Comprehensive guide for installing and operating the Intermatic EI205 electronic in-wall countdown timer. Covers features, ratings, step-by-step installation, operation modes, and a 1-year limited warranty. Ideal for controlling lighting and loads with timed shut-off.</p>
	<p>Intermatic EJ351 Indoor Wall Switch Timer: Installation, Programming, and Troubleshooting Guide</p> <p>Comprehensive guide for installing, programming, and troubleshooting the Intermatic EJ351 Indoor Wall Switch Timer. Learn how to set schedules, use automatic and manual modes, and resolve common issues.</p>
	<p>Intermatic EC200WK/EC210WK In-Wall Timer Installation and Operation Guide</p> <p>Comprehensive guide for installing and operating Intermatic EC200WK and EC210WK in-wall timers. Includes critical safety instructions, electrical ratings, step-by-step installation procedures, wiring diagrams, and operational modes for timed and continuous use.</p>

