

Reliance Controls WE7100Y

Reliance Controls WE7100Y In-Wall Astronomic 7-Day Timer Instruction Manual

INTRODUCTION

The Reliance Controls WE7100Y In-Wall Astronomic 7-Day Timer is designed for automated control of various electrical loads such as lights, fans, and pumps. This digital timer replaces standard single-pole switches and offers advanced programming features for convenience and energy efficiency. It is suitable for incandescent, fluorescent, CFL, and LED lighting, as well as fans and pumps.

SAFETY INFORMATION

WARNING: Risk of Electric Shock.

- Turn off power at the circuit breaker or fuse box before installation or servicing.
- Installation should be performed by a qualified electrician or a person with electrical knowledge.
- Ensure all wiring connections are secure and comply with local and national electrical codes.
- Do not exceed the electrical ratings of the timer.

PRODUCT OVERVIEW

The WE7100Y timer features a digital display and intuitive controls for easy programming. Key functionalities include:

- Replaces single-pole switches for incandescent, fluorescent, CFL, LED lights, fans, and pumps.
- Programs up to seven ON/OFF events per week.
- Astronomic feature automatically adjusts to sunrise and sunset, including daylight savings.
- Random setting for security, turning lights on and off at varied times.
- Integrated rechargeable NiMH battery for program retention during power outages.
- Ivory finish for aesthetic integration into most home decors.



Image of the Reliance Controls WE7100Y In-Wall Astronomic 7-Day Timer in ivory, showing the digital display with time '9:10 AM' and 'ON' indicator, along with 'ON-OFF' and astronomic control buttons. A hinged cover is visible below the buttons, concealing additional programming buttons.

SETUP (INSTALLATION)

Installation requires basic electrical knowledge. If you are unsure about any steps, consult a qualified electrician.

Tools Required

- Screwdriver (Phillips and/or Flathead)
- Wire Strippers
- Electrical Tape
- Voltage Tester (recommended)

Wiring Instructions

1. **Turn off Power:** Locate the circuit breaker or fuse box that controls the power to the switch you are replacing. Turn off the power completely. Verify power is off using a voltage tester.
2. **Remove Existing Switch:** Carefully remove the wall plate and unscrew the existing switch from the electrical box. Gently pull the switch out to expose the wiring.
3. **Identify Wires:** Identify the LINE (hot), LOAD, and GROUND wires. This timer typically requires a NEUTRAL wire for proper operation. If a neutral wire is not present in your electrical box, consult an electrician.
4. **Connect Timer Wires:** Connect the wires from the WE7100Y timer to the corresponding house wires. Follow the wiring diagram provided with the product packaging. Generally, this involves connecting:
 - Timer's LINE wire to the house LINE (hot) wire.
 - Timer's LOAD wire to the house LOAD wire (to the fixture).
 - Timer's NEUTRAL wire to the house NEUTRAL wire.
 - Timer's GROUND wire to the house GROUND wire.

Secure all connections with wire nuts and electrical tape.

5. **Mount Timer:** Carefully push the wired timer back into the electrical box. Secure it with the provided screws. Attach the new wall plate.
6. **Restore Power:** Turn the power back on at the circuit breaker. The timer display should illuminate.

OPERATING INSTRUCTIONS (PROGRAMMING)

After installation, the timer needs to be set and programmed.

Initial Setup

- Upon first power-up or after a long power outage, the display may be blank or show default settings. The built-in rechargeable NiMH battery will retain settings once charged (allow 24 hours for full charge).
- **Set Current Time and Day:** Refer to the detailed instructions in the product packaging for specific button presses to set the current time (hour, minute, AM/PM) and day of the week.

Programming ON/OFF Events

The timer allows up to 7 ON/OFF programs per week. Each program consists of an ON time and an OFF time, which can be assigned to specific days or groups of days.

1. **Enter Program Mode:** Press the designated 'PROG' or 'SET' button (often located under the hinged cover) to enter programming mode.
2. **Set ON Time:** Use the 'HOUR' and 'MINUTE' buttons to set the desired time for the load to turn ON.
3. **Select Days:** Use the 'DAY' button to select the day(s) of the week for this ON event to occur (e.g., Mon-Fri, Sat-Sun, Mon-Sun, or individual days).
4. **Set OFF Time:** Repeat the process to set the desired time for the load to turn OFF.
5. **Save Program:** Confirm the program and move to the next program slot or exit programming mode.

Astronomic Feature

The astronomic feature automatically adjusts ON/OFF times to coincide with local sunrise and sunset, and also accounts for daylight saving time changes. Ensure the current time and date are set accurately for this feature to function correctly.

Random Setting

Activate the random setting (often indicated by a light bulb icon with a crescent moon) to turn lights on and off at slightly different times each day. This feature can enhance security by making it appear as if someone is home.

Manual Override

Briefly press the 'ON-OFF' button on the front of the timer to manually turn the connected load ON or OFF. This action will override the current program until the next scheduled ON or OFF event.

MAINTENANCE

The Reliance Controls WE7100Y timer is designed for minimal maintenance. The internal NiMH battery is rechargeable and typically lasts for several years. There are no user-serviceable parts inside the unit.

- **Cleaning:** Clean the surface of the timer and wall plate with a soft, dry cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or internal components.
- **Battery:** The internal battery recharges automatically when the timer has power. If the display is blank or dim after a power outage, allow the timer to be powered for 24 hours to fully recharge the battery.

TROUBLESHOOTING

Common Issues and Solutions

- **Timer not powering on / Display is blank:**
 - Check the circuit breaker to ensure power is supplied to the switch location.
 - Verify all wiring connections are secure and correct, especially the neutral wire connection.
 - The internal battery may be fully discharged. Allow the timer to be powered for 24 hours to recharge.
- **Connected load not turning ON/OFF as programmed:**
 - Review your program settings to ensure ON/OFF times and days are correctly entered.
 - Check if the manual override is active. Press the 'ON-OFF' button to return to automatic operation.
 - Ensure the connected load (light, fan, etc.) is functioning correctly and within the timer's electrical rating.
- **Astronomic feature not adjusting correctly:**
 - Verify that the current time and day are set accurately on the timer.
 - Ensure daylight saving time settings are correctly configured if applicable.

SPECIFICATIONS

- **Model:** WE7100Y
- **Brand:** Reliance Controls
- **Color:** Ivory
- **Number of Settings:** Up to 7 ON/OFF events per week
- **Product Dimensions:** 1.75 x 2.75 x 4.5 inches
- **Item Weight:** 1 pound (approximately 16 ounces)
- **Compatibility:** Incandescent, fluorescent, CFL, LED lights, fans, pumps
- **UPC:** 815181011635

WARRANTY AND SUPPORT

For detailed warranty information, technical assistance, or customer support regarding your Reliance Controls WE7100Y timer, please refer to the official Reliance Controls website or contact their customer service department directly. It is recommended to keep your purchase receipt as proof of purchase for any warranty claims.

You can visit the [Reliance Controls Store](#) for more product information.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question