

## Hunter XC-801I-E

# Rain Bird XC-801I-E Indoor Electric Irrigation Programmer

Model: XC-801I-E

## 1. INTRODUCTION

The Rain Bird XC-801I-E is an advanced indoor electric irrigation programmer designed for efficient residential watering systems. This unit provides simple, reliable control for up to 8 irrigation stations. It features three independent programs, each capable of four daily start times, offering flexible scheduling options. The XC-801I-E is engineered for compatibility with the intelligent Solar Sync sensor, allowing for automatic adjustments to irrigation schedules based on local climate conditions, thereby optimizing water usage. Additionally, it supports connection with other sensors for enhanced control. This manual provides essential information for the installation, operation, and maintenance of your irrigation programmer.

## 2. SAFETY INFORMATION

Please read all safety instructions before installing or operating the Rain Bird XC-801I-E irrigation programmer. Failure to follow these instructions may result in electric shock, fire, or damage to the product.

- **Electrical Safety:** This device operates on 24 Volts. Ensure the power supply is disconnected before performing any wiring or maintenance. Only use the provided external transformer. Do not expose the unit to water or extreme moisture.
- **Installation:** Install the programmer indoors, away from direct sunlight, rain, or excessive humidity. Ensure proper ventilation around the unit.
- **Children:** Keep the device out of reach of children.
- **Maintenance:** Refer to the maintenance section for cleaning and care instructions. Do not attempt to repair the unit yourself; contact qualified service personnel.

## 3. PACKAGE CONTENTS

Verify that all components are present in the package:

- Rain Bird XC-801I-E Indoor Irrigation Programmer
- External Transformer (Power Supply)

- User Manual (this document)
- Mounting Hardware (screws, anchors)

## 4. SETUP AND INSTALLATION

Follow these steps for proper installation of your irrigation programmer.

### 4.1 Mounting the Controller

1. Choose an indoor location near a standard electrical outlet, protected from extreme temperatures and moisture.
2. Use the provided mounting hardware to securely attach the controller to a wall. Ensure it is at a convenient height for programming and viewing.

### 4.2 Wiring the Valves

The XC-801I-E supports up to 8 irrigation zones and operates with 24V solenoid valves.

1. **Disconnect Power:** Ensure the external transformer is unplugged from the electrical outlet.
2. **Connect Common Wire:** Connect one common wire from all your solenoid valves to the 'COMMON' terminal on the controller.
3. **Connect Zone Wires:** Connect the individual control wire from each solenoid valve to its corresponding station terminal (e.g., Station 1, Station 2, etc.) on the controller.

### 4.3 Sensor Connection (Optional)

The controller allows for the installation of a sensor, such as the Rain Bird Solar Sync or other compatible sensors.

1. Refer to your sensor's instruction manual for specific wiring details.
2. Connect the sensor wires to the designated sensor terminals on the XC-801I-E controller.

### 4.4 Power Connection

1. Plug the external transformer into a standard 230V AC electrical outlet.
2. Connect the transformer's output cable to the power input port on the XC-801I-E controller.
3. The controller display should illuminate, indicating power is supplied.



**Figure 1:** Front view of the Rain Bird XC-8011-E Indoor Electric Irrigation Programmer. This image shows the display, programming buttons, and the dial for mode selection.

## 5. OPERATING INSTRUCTIONS

The XC-8011-E features a user-friendly interface for programming your irrigation schedules.

### 5.1 Setting Current Time and Date

1. Turn the dial to the 'SET TIME/DATE' position.
2. Use the arrow buttons to adjust the current time and date.
3. Press the 'NEXT' button to move between settings (hour, minute, day, month, year).

## 5.2 Programming Irrigation Schedules

The controller offers three independent programs (A, B, C) and four start times per program.

1. **Select Program:** Turn the dial to 'PROGRAMS'. Use the 'PROGRAM' button to select Program A, B, or C.
2. **Set Start Times:** For the selected program, use the arrow buttons to set up to four start times. Each start time initiates the watering sequence for all zones assigned to that program.
3. **Set Zone Run Times:** Turn the dial to 'RUN TIMES'. Select the desired program and then use the arrow buttons to set the watering duration for each individual station (zone).
4. **Set Watering Days:** Turn the dial to 'WATER DAYS'. Select the desired program and then choose the specific days of the week for irrigation, or select an interval schedule (e.g., every 2 days).

## 5.3 Manual Operation

To manually operate a single station or all stations:

- **Single Station:** Turn the dial to 'MANUAL SINGLE STATION'. Use the arrow buttons to select the station and set its run time. Press 'START'.
- **All Stations:** Turn the dial to 'MANUAL ALL STATIONS'. Set the run time for each station sequentially. Press 'START'.

## 5.4 System Off / Rain Delay

To temporarily suspend irrigation:

- **System Off:** Turn the dial to 'SYSTEM OFF' to halt all automatic irrigation.
- **Rain Delay:** Turn the dial to 'RAIN DELAY'. Use the arrow buttons to set the number of days for the delay. Irrigation will resume automatically after the set period.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your irrigation programmer.

- **Cleaning:** Wipe the controller's exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Connections:** Periodically check all wiring connections to ensure they are secure and free from corrosion.
- **Winterization:** In regions with freezing temperatures, it is recommended to disconnect the controller and store it indoors during winter months to prevent damage. Drain all water from the irrigation system.
- **Battery (if applicable):** If your model includes a backup battery for settings retention during power outages, check and replace it as recommended by the manufacturer (typically every 1-2 years).

## 7. TROUBLESHOOTING

If you encounter issues with your Rain Bird XC-801I-E, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Controller display is blank	No power; faulty transformer; internal fuse (if applicable)	Check power outlet; ensure transformer is securely connected; test transformer output; consult a technician if fuse is suspected.
Zones not watering	Rain delay active; system off; faulty wiring; valve issues; low water pressure	Check rain delay/system off settings; inspect wiring connections; manually test valves; check water supply.
Incorrect watering times	Incorrect programming; sensor interference	Review program start times, run times, and water days; check sensor operation and settings.
Error message on display	Wiring fault; sensor fault; internal error	Note the error code and refer to the full product manual or contact support. Check wiring for shorts.

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

## 8. SPECIFICATIONS

Feature	Specification
Model	XC-8011-E
Brand	Hunter
Manufacturer	Rain Bird
Number of Zones	8
Programs	3 (A, B, C)
Start Times per Program	4
Operating Voltage	24 Volts AC
Material	Plastic
Color	Grey
Item Weight	1.57 Kilograms
Operating Temperature	20 Degrees Celsius
Smart Home Compatibility	Compatible with smart home systems (via sensor integration)

## 9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact your authorized dealer or the manufacturer directly. Keep your purchase receipt as proof of purchase.

**Manufacturer:** Rain Bird

**Brand:** Hunter

For further assistance, visit the official Rain Bird website or consult your local distributor.

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