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› Hunter-Industries X-CORE Series XC-600I Indoor Irrigation Controller User Manual

Hunter-Industries XC-600I

Hunter-Industries X-CORE Series XC-600I Indoor Irrigation Controller User Manual

Model: XC-600I | Brand: Hunter-Industries

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of your Hunter-Industries X-CORE Series XC-600I Indoor Irrigation Controller. The X-CORE is designed for residential irrigation applications, offering robust features for efficient water management.

2. PRODUCT OVERVIEW





Figure 1: Hunter-Industries X-CORE Series XC-600I Indoor Irrigation Controller with its power adapter. The controller features a digital display, a central rotary dial, and several push buttons for system control. The power adapter details model number WT1-57-037R, input 120VAC 60Hz 35W, and output 12VAC 1000mA.

The X-CORE controller is a compact unit, measuring approximately 2"L x 5.75"W x 6.5"H. It is designed for indoor installation and offers a user-friendly interface for managing your irrigation system.

3. SETUP AND INSTALLATION

3.1 Mounting the Controller

The XC-600I is an indoor model designed for wall mounting. Choose a suitable location that is protected from the elements and easily accessible for programming.

3.2 Wiring the Power Adapter

Connect the provided power adapter to the controller and a standard 120VAC 60Hz power outlet. The power adapter (Model No.: WT1-57-037R) provides an output of 12VAC 1000mA. Ensure all connections are secure.

3.3 Connecting to the Irrigation System

Connect the irrigation system's zone wires to the corresponding terminals on the X-CORE controller. Refer to your irrigation system's specific wiring diagram for proper connection.

3.4 Initial Programming

Upon initial power-up, the controller will guide you through setting the current date and time. Use the arrow buttons and the rotary dial to navigate and adjust settings.



Video 1: Official product guide video demonstrating the features and benefits of the Hunter X-CORE irrigation controller, including its easy configuration, smart controller capabilities with Solar Sync, water-saving features, and QuickCheck troubleshooting.

4. OPERATING THE CONTROLLER

4.1 Rotary Dial Functions

The central rotary dial is used to select different programming and operating modes. Turn the dial to select from the following options:

- **System Off:** Disables all automatic irrigation.
- **Manual:** Allows for manual operation of individual zones or programs.
- **Solar Sync®:** Activates the Solar Sync ET sensor for automatic seasonal adjustments (if installed).
- **Seasonal Adjust:** Manually adjust watering duration for all zones by a percentage.
- **Water Days:** Set specific days of the week for irrigation.
- **Run Times:** Configure the duration for each irrigation zone.
- **Start Times:** Set the start times for your irrigation programs.
- **Date/Time:** Adjust the current date and time.
- **Run:** Normal operation mode, executing programmed schedules.

4.2 Setting Date and Time

1. Turn the dial to the **Date/Time** position.
2. Use the **+** and **-** buttons to adjust the year, month, day, and time.
3. Press the **PRG** button to move between settings.

4.3 Programming Start Times

1. Turn the dial to the **Start Times** position.
2. Use the **+** and **-** buttons to set the desired start time for each program (up to 4 per program).
3. Press the **PRG** button to advance to the next start time or program.

4.4 Setting Run Times

1. Turn the dial to the **Run Times** position.
2. Select the desired program (A, B, or C) using the **PRG** button.
3. Use the **+** and **-** buttons to set the watering duration for each zone.

4. Press the → button to move to the next zone.

4.5 Configuring Water Days

1. Turn the dial to the **Water Days** position.
2. Select the desired program (A, B, or C) using the **PRG** button.
3. Use the + button to select a day for watering (indicated by a droplet icon) or the - button to deselect.
4. Alternatively, choose interval watering (e.g., every 2 days) or specific days of the week.

4.6 Manual Operation

1. Turn the dial to the **Manual** position.
2. Use the → button to select the zone you wish to water.
3. Use the + and - buttons to set the manual run time.
4. The selected zone will begin watering after a few seconds.

4.7 System Off

To completely stop all automatic and manual irrigation, turn the dial to the **System Off** position.

5. ADVANCED FEATURES

5.1 Solar Sync® ET Sensor Compatibility

The X-CORE controller can be upgraded to a smart controller by integrating the revolutionary Solar Sync ET sensor. This sensor automatically adjusts irrigation runtimes based on local weather conditions, promoting water conservation.

5.2 Water-Saving Capabilities

- **Programmable Rain Delay:** Temporarily suspend irrigation for a set period after rainfall.
- **Cycle and Soak:** Prevents runoff and improves water absorption by breaking watering times into shorter cycles with soak periods.
- **Seasonal Adjustment:** Adjust watering durations across all programs by a percentage to account for seasonal changes in plant water requirements.

5.3 Remote Compatibility

The X-CORE is compatible with Hunter remotes, allowing for quick, wireless activation of irrigation zones, enhancing convenience for system checks and adjustments.

5.4 Non-Volatile Memory

In the event of a power failure, the controller's non-volatile memory retains all current program data, including date and time settings, ensuring your irrigation schedule remains intact.

6. MAINTENANCE

The Hunter X-CORE controller requires minimal maintenance.

- Keep the controller clean and free from dust and debris.
- Ensure the power connection is secure and free from damage.
- Periodically check wiring connections for corrosion or loose terminals.
- During winter months in freezing climates, ensure proper winterization procedures are followed for your entire irrigation system, including disconnecting the controller if necessary.

7. TROUBLESHOOTING

7.1 QuickCheck™ Feature

The QuickCheck feature assists in troubleshooting field wiring issues. It scans the station wiring and displays an "err" message on the screen if a short circuit is detected on a particular station number. This helps in quickly identifying and resolving wiring problems.

7.2 Common Issues

- **No Display:** Check power connection and outlet. Ensure the power adapter is functioning correctly.
- **Zones Not Watering:** Verify the system is not in "System Off" mode. Check run times and water days. Inspect wiring for shorts using QuickCheck.
- **Inconsistent Watering:** Review seasonal adjustment settings and Solar Sync sensor status (if applicable).

8. SPECIFICATIONS

Feature	Specification
Model	XC-600I
Type	Indoor Controller
Dimensions (L x W x H)	2" x 5.75" x 6.5"
Input Power	120VAC, 60Hz, 35W
Output Power	12VAC, 1000mA
Operating Temperature	20 Degrees Celsius (optimal)
Programs	3 independent programs
Start Times	4 per program
Stations	Up to 8 (fixed)

9. WARRANTY INFORMATION

The Hunter-Industries X-CORE Series XC-600I Indoor Irrigation Controller comes with a **Two-Year Warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

10. CUSTOMER SUPPORT

For further assistance, technical support, or to inquire about replacement parts, please contact Hunter-Industries customer service. Visit the official Hunter-Industries website for contact details and additional resources.

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

Anonymous

Email

you@example.com

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