

Hunter PHC1200I

Hunter PRO-HC PHC-600 Wi-Fi Irrigation Controller User Manual

Model: PHC1200I | Brand: Hunter

INTRODUCTION

The Hunter PRO-HC PHC-600 is a professional-grade Wi-Fi irrigation controller designed for residential outdoor use. It integrates with Hydrowise web-based software, allowing users to manage their irrigation system from anywhere in the world using a smart device or web browser. This controller features predictive watering, which adjusts schedules based on real-time weather data such as temperature forecasts, rainfall probability, wind, and humidity. This intelligent adjustment helps maximize water savings while maintaining healthy and beautiful landscapes. The system also supports the addition of a flow meter for automatic notifications regarding broken pipes or sprinklers.



Figure 1: Hunter PRO-HC PHC-600 Wi-Fi Controller, showing the closed unit with the key in the lock.

KEY FEATURES

- PRO-HC Outdoor WiFi Controller with Internal Transformer
- Supports up to 6 Zones (expandable to 24 zones with additional modules)
- Integrated Touchscreen Interface for direct control
- Predictive Watering Adjustments based on local weather data
- Wiring Detection and Alerts for system integrity
- Hydrowise Web-Based Software for remote management
- EPA WaterSense Approved Smart Watering for efficiency

SETUP AND INSTALLATION

1. Unboxing and Inspection

Carefully remove the controller from its packaging. Inspect all components for any signs of damage. Ensure all listed parts are present before proceeding with installation.

2. Physical Mounting and Wiring

Choose a suitable outdoor location for mounting the controller, away from direct sunlight and extreme weather conditions. Ensure the location allows for easy access to power and irrigation wiring. The controller should be mounted vertically.



Figure 2: Internal view of the Hunter PRO-HC controller, illustrating the wiring terminal block for zone connections and power input. Connect the 24VAC power supply to the designated terminals. Wire your irrigation zone valves to the corresponding numbered terminals (1-6 for the 6-station model). Connect the common wire from your valves to the 'Common' terminal. If using a master valve or pump start relay, connect it to the 'MV/P' terminal. Ensure all connections are secure and properly insulated.

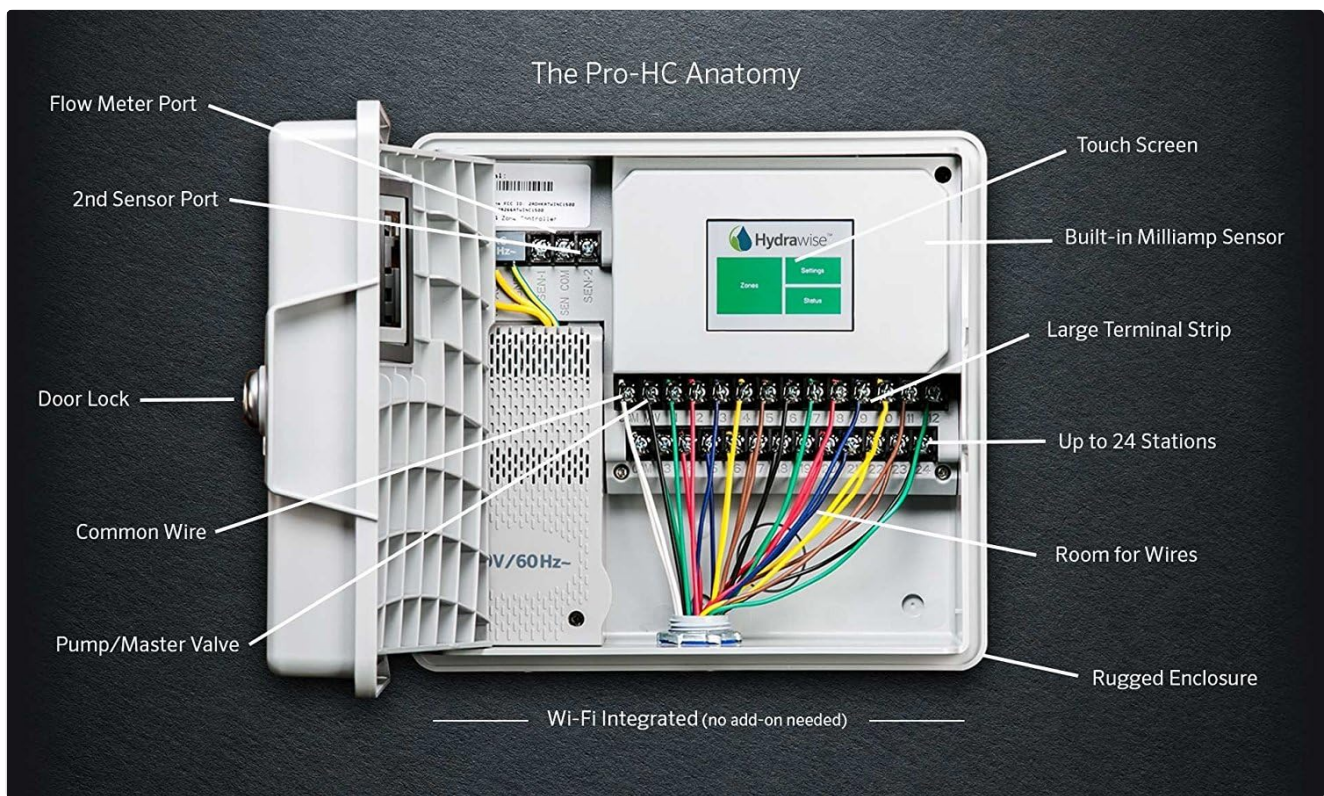


Figure 3: Detailed anatomy of the Pro-HC controller, highlighting components such as the Flow Meter Port, Sensor Ports, Touch Screen, Built-in Milliamps Sensor, Large Terminal Strip, and wiring space.

3. Wi-Fi Connection

Once powered on, the controller's touchscreen will guide you through the initial setup. Select your Wi-Fi network from the available list and enter the password. A stable Wi-Fi connection is crucial for the Hydrowise software to function correctly and provide predictive watering adjustments.

4. Hydrowise Software Setup

Download the Hydrowise app from your device's app store or visit the Hydrowise website (www.hydrowise.com). Create an account and register your controller using the unique serial number found on the unit. Follow the on-screen prompts to link your controller to your Hydrowise account. This will enable remote management and access to advanced features.

OPERATING THE CONTROLLER

1. Manual Operation

The PRO-HC controller features a touchscreen display for direct manual control. From the main screen, you can access "Zones" to manually start or stop individual zones or run a test program. The "Settings" menu allows for basic configuration directly on the device, while "Status" provides real-time information about the controller's operation and connection.

2. Scheduling with Hydrowise

For optimal performance and water savings, it is recommended to manage your watering schedules through the Hydrowise app or website. The Hydrowise platform allows you to:

- Create and customize watering programs for each zone.

- Set start times, run times, and watering days.
- Utilize *Predictive Watering*: This feature automatically adjusts schedules based on local weather forecasts (temperature, rainfall, wind, humidity) to prevent overwatering and conserve water.
- View detailed reports on water usage and system status.
- Receive alerts for system issues, such as wiring faults or high flow rates (if a flow meter is installed).

Access to the Hydrowise web interface or mobile application provides comprehensive control and monitoring capabilities, often surpassing the direct touchscreen functionality for complex scheduling and data analysis.

MAINTENANCE

- **Regular Cleaning:** Keep the exterior of the controller clean and free from dust and debris. Use a soft, damp cloth. Do not use abrasive cleaners.
- **Software Updates:** Ensure your Hydrowise software and controller firmware are up-to-date. Updates are typically managed automatically through the Hydrowise platform when connected to Wi-Fi.
- **Wiring Inspection:** Periodically check all wiring connections inside the controller for corrosion or loose terminals. Ensure the enclosure door is securely latched to protect internal components from the elements.
- **Sensor Checks:** If external sensors (e.g., rain sensor, flow meter) are connected, periodically check their functionality and ensure they are free from obstructions.
- **Winterization:** In regions with freezing temperatures, follow local guidelines for winterizing your irrigation system, which may include draining pipes and disconnecting the controller from power.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Controller not powering on	No power to outlet; faulty transformer; internal wiring issue.	Check power outlet; verify transformer connection; inspect internal wiring.
No Wi-Fi connection	Incorrect Wi-Fi password; router too far; network issues.	Re-enter password; move controller closer to router or use Wi-Fi extender; restart router.
Zone not watering	Faulty valve; broken wire; clogged nozzle; program error.	Check valve operation manually; inspect wiring for breaks; clean nozzles; verify Hydrowise schedule.
Watering when it rained	Predictive watering disabled; rain sensor not functioning; incorrect weather station data.	Ensure predictive watering is enabled in Hydrowise; check rain sensor; verify assigned weather station.

For further assistance, refer to the comprehensive troubleshooting guides available on the Hunter Industries or

Hydrawise websites, or contact customer support.

SPECIFICATIONS

Model: PHC1200I (6-Station)

Manufacturer: Hunter Industries

Product Dimensions: 10"L x 4"W x 9"H (approx. 4 x 10 x 9 inches)

Item Weight: 5.26 pounds

Color: White

Display Type: LCD Touchscreen

Connectivity: Wi-Fi

Power Input: Internal Transformer (24VAC)

Certifications: EPA WaterSense Approved (for smart watering features)

WARRANTY AND SUPPORT

Hunter Industries provides a standard warranty for the PRO-HC controller, covering defects in materials and workmanship. For specific warranty terms and conditions, please refer to the documentation included with your product or visit the official Hunter Industries website.

For technical support, troubleshooting assistance, or warranty claims, please contact Hunter Industries customer service. You can find contact information and additional resources on their official website:

www.hunterindustries.com

www.hydrawise.com

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