

Hunter Industries HPC400

Hunter Hydrowise HPC400 Smart WiFi Irrigation Controller User Manual

Model: HPC400 | Brand: Hunter Industries

INTRODUCTION

The Hunter Hydrowise HPC400 Smart WiFi Irrigation Controller is designed to provide efficient and convenient control over your lawn and garden watering system. This smart controller integrates with the Hydrowise app, allowing for remote management and optimization of watering schedules from any location. Its advanced weather-based technology automatically adjusts watering based on real-time forecasts, promoting water conservation and reducing water consumption. The HPC400 supports 4 watering zones and is expandable up to 16 zones, offering flexibility for various residential landscape sizes. Installation is straightforward, featuring intuitive touchscreen programming and quick WiFi setup.

SETUP AND INSTALLATION

1. Physical Installation

The HPC400 controller is designed for outdoor installation and features a durable, weather-resistant enclosure. Select a suitable location on a wall or sturdy surface, ensuring it is protected from direct sunlight and extreme weather conditions where possible, and is within Wi-Fi range.

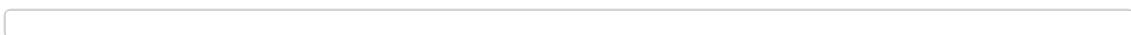


Figure 1: Hunter Hydrowise HPC400 controller mounted on a wall.

2. Wiring Connections

Open the controller's front panel to access the wiring terminals. Connect your zone wires to the corresponding numbered terminals. Ensure the common wire (COM) is connected to the designated common terminal. The unit includes a 4-zone module and can be expanded with additional modules for up to 16 zones. For power, connect the 120V grounded plug. Refer to the internal wiring diagram for precise connections.



Figure 2: Internal wiring of the HPC400 controller.

3. Initial Setup and Wi-Fi Configuration

Upon powering on, the controller's touchscreen will guide you through the initial setup process. This includes connecting the device to your home Wi-Fi network. The Hydrowise app is the primary interface for advanced configuration and daily operation.



Figure 3: HPC400 touchscreen display.

4. Hydrowise App Setup

Download the Hydrowise app from your device's app store. Create an account and link your HPC400 controller using its serial number. The app provides a user-friendly interface for managing all aspects of your irrigation system.



Figure 4: Hydrowise app on a smartphone.

5. Video Guide: Using the App to Setup the Controller

For a detailed walkthrough of setting up your Hydrowise controller using the app, please watch the official video below. This video covers account creation, linking your controller, and initial configuration steps.

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Video 1: Official guide on setting up the Hydrowise controller using the app.

OPERATION

1. App-Controlled Watering

The Hydrowise app allows you to create and manage watering programs, adjust zone run times, and monitor water usage. You can set up multiple programs with different watering days and start times to suit various landscape needs. The app's intuitive interface makes it easy to navigate and modify settings.



Figure 5: Interacting with the HPC400 touchscreen.

2. Weather-Based Adjustments

The HPC400 leverages local weather data to automatically adjust watering schedules. This feature helps prevent overwatering during rainy periods and increases watering during hot, dry spells, optimizing water efficiency and promoting plant health. No additional sensors are required for this functionality.

3. Manual Operation

While primarily app-controlled, the HPC400 also features a responsive touchscreen for direct manual operation. You can manually start or stop zones, adjust settings, and check system status directly from the controller's display.

MAINTENANCE

- **Regular Cleaning:** Periodically wipe down the exterior of the controller with a soft, damp cloth to remove dust and debris. Avoid using harsh chemicals or abrasive cleaners.
- **Firmware Updates:** Ensure your controller's firmware is up-to-date through the Hydrowise app to benefit from the latest features and performance improvements.

- **Winterization:** In regions with freezing temperatures, follow standard irrigation system winterization procedures to prevent damage to pipes and valves. Consult a local irrigation professional if unsure.
- **Connection Check:** Occasionally verify that all wiring connections inside the controller are secure and free from corrosion.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Controller not powering on	No power to outlet; tripped breaker; faulty power supply.	Check power outlet and circuit breaker. Ensure power supply is securely connected.
No Wi-Fi connection	Out of Wi-Fi range; incorrect Wi-Fi password; router issue.	Move controller closer to router or use a Wi-Fi extender. Re-enter Wi-Fi credentials in the app. Restart router.
Zone not watering	Wiring issue; faulty solenoid; program not active; master valve not opening.	Check zone wiring. Test solenoid. Verify program schedule in app. Check master valve operation.
Continuous watering	Stuck valve; faulty wiring.	Manually shut off water supply. Inspect valve for debris or damage. Check wiring for shorts.

For further assistance, refer to the comprehensive troubleshooting guide available on the Hunter Industries support website or contact customer support.

SPECIFICATIONS

Model Number: HPC400

Brand: Hunter Industries

UPC: 611698459942

Product Dimensions: 4.5 x 10 x 9 inches

Item Weight: 5.7 pounds

Color: Gray

Material: Plastic

Voltage: 120 Volts (AC)

Display Type: LCD or LED

Country of Origin: China

Zones: 4 (expandable to 16)

Connectivity: Wi-Fi

WARRANTY AND SUPPORT

For detailed warranty information and customer support, please visit the official Hunter Industries website or contact their customer service department. Information regarding protection plans may also be available from your retailer.

Manufacturer: Hunter Industries

Website: www.hunterindustries.com

