

Hunter X2-400

Hunter Hydrowise X2-400 Irrigation Controller with Wand WiFi Module User Manual

Model: X2-400

1. INTRODUCTION

The Hunter Hydrowise X2-400 Controller is designed for efficient and reliable automatic irrigation in residential and light commercial settings. This controller, bundled with the Wand WiFi Module, enables smart irrigation management through the Hydrowise Software, offering remote access and programming capabilities. The Wand module utilizes wireless Bluetooth technology for smartphone operation, simplifying installation and access.

This manual provides essential information for the proper installation, operation, and maintenance of your Hunter Hydrowise X2-400 Irrigation Controller and Wand WiFi Module.

2. PRODUCT FEATURES

- **X2-400 4-Station Controller with Wand:** Online-capable controller offering rapid schedule programming and advanced water-saving features.
- **Wi-Fi Capable:** Automatically managed by Hydrowise software.
- **Backlit Display:** Provides optimal visibility in various lighting conditions.
- **Flexible Programming:** Features 3 programs with 4 start times each and up to 6-hour run times.
- **QuickCheck Diagnostics:** Provides simple diagnostics for faulty field wiring.
- **Short-Circuit Protection:** Detects wiring faults and skips the station without system damage.
- **Easy Retrieve Memory:** Backs up the full irrigation schedule.
- **Delay Between Stations:** Useful for slow-closing valves or pump recharge.
- **Cycle and Soak:** Prevents water waste and runoff in areas with elevation changes or tight soils.
- **Seasonal Adjustment:** Allows for quicker schedule adjustments without altering individual run times.

3. SETUP AND INSTALLATION

The Hunter Hydrowise X2-400 Controller is designed for straightforward installation. Ensure the power is

disconnected before beginning any wiring procedures.

3.1 Controller Mounting

Mount the controller in a suitable indoor or outdoor location, ensuring it is protected from direct sunlight and extreme weather conditions if installed outdoors. Use appropriate mounting hardware for secure attachment.

3.2 Wiring Connections

Connect the irrigation zone wires to the corresponding terminals on the controller. The X2-400 supports up to 4 stations. Connect the common wire to the common terminal. If a master valve or pump start relay is used, connect its wire to the designated terminal.

Refer to the wiring diagram located inside the controller's cover for detailed instructions.



Figure 1: Hunter X2-400 Controller with its cover open, displaying the internal programming guide and wiring instructions. This view shows the main dial, control buttons, and the slot for the Wand WiFi module.

3.3 Wand WiFi Module Installation

The Wand WiFi Module plugs directly into the side port of the X2-400 controller. This module enables Wi-Fi connectivity and smart features via the Hydrowise app.



Figure 2: A close-up view of the Hunter X2-400 Irrigation Controller with the Wand WiFi Module securely inserted into its dedicated port on the right side. The module features a Wi-Fi symbol and a Bluetooth symbol.



Figure 3: A detailed view of the Hunter Wand WiFi Module, showing its compact design, serial number, and symbols for Wi-Fi and Bluetooth connectivity.

3.4 Hydrawise App Setup

1. Download the Hydrawise app from your smartphone's app store.
2. Create an account or log in.
3. Follow the in-app instructions to add your X2-400 controller and connect it to your Wi-Fi network via the Wand module.
4. Configure your irrigation zones, watering schedules, and advanced settings within the app.

4. OPERATING INSTRUCTIONS

The X2-400 controller can be operated manually using its front panel or remotely via the Hydrawise app.

4.1 Manual Operation

The front panel features a dial and buttons for direct control:

- **Dial Positions:** Rotate the dial to select functions such as OFF, RUN, Date/Time, Start Times, Run Times, Water Days, Manual, Pump, and Seasonal Adjust.
- **Buttons:** Use the arrow buttons to navigate menus and adjust settings. The PRG button is used for programming.

4.2 Hydrawise App Operation

The Hydrawise app provides comprehensive control and monitoring of your irrigation system:

- **Remote Access:** Control your system from anywhere with an internet connection.
- **Scheduling:** Create and modify watering schedules for individual zones or programs.
- **Zone Management:** Set watering lengths, assign zones to programs, and manage master valve/pump start settings.
- **Weather Adjustments:** The Hydrawise software automatically adjusts schedules based on local weather data to optimize water usage.
- **Notifications:** Receive instant status updates and system alerts directly to your smartphone.



Figure 4: The Hunter X2-400 Irrigation Controller mounted on a wall, with a hand holding a smartphone displaying the Hydrowise app. The app shows weather forecasts and irrigation schedules, illustrating remote control capabilities.

5. MAINTENANCE

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

- **Keep Clean:** Periodically wipe the controller's exterior with a soft, damp cloth. Avoid using harsh chemicals.
- **Inspect Wiring:** Annually inspect all wiring connections for signs of wear, corrosion, or damage.
- **Software Updates:** Ensure your Hydrowise app and controller firmware are up to date for the latest features and security enhancements.
- **Battery Backup:** The controller features Easy Retrieve memory to back up settings. No user-replaceable battery is typically required for program retention.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Hunter Hydrowise X2-400 controller.

6.1 No Power to Controller

- Check the power supply connection to the controller and the electrical outlet.
- Verify that the circuit breaker for the outlet has not tripped.

6.2 Zones Not Watering

- **QuickCheck:** Use the controller's QuickCheck feature to diagnose faulty field wiring. This can identify

short circuits or open circuits in your zone wiring.

- **Short-Circuit Protection:** The controller is equipped with short-circuit protection that will skip a faulty station without damaging the system. Address the wiring fault for the zone to operate.
- **Water Supply:** Ensure the main water supply to your irrigation system is turned on.
- **Programming:** Verify that the zones are correctly programmed and enabled in the Hydrowise app or on the controller.

6.3 Wi-Fi Connectivity Issues

- Ensure the Wand WiFi Module is securely inserted into the controller.
- Check your home Wi-Fi network for proper operation.
- Restart your Wi-Fi router and the irrigation controller.
- Confirm that the controller is within range of your Wi-Fi signal.
- Refer to the Hydrowise app's network settings for troubleshooting Wi-Fi connection.

For further assistance, consult the Hydrowise app's help section or contact Hunter customer support.

7. SPECIFICATIONS

Feature	Specification
Brand	Hunter Industries
Model Number	X2-400 (with Wand WiFi Module)
Number of Stations	4
Material	Plastic
Color	Black (Controller housing is typically grey)
Screen Size	3 Inches
Number of Settings	18
Item Weight	3.67 pounds
Package Dimensions	10.08 x 9.41 x 4.29 inches
Connectivity	Wi-Fi (via Wand Module), Bluetooth
UPC	795850661159

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Hunter Industries website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

Hunter Industries provides resources and contact information to assist with any product-related inquiries or issues.

