

RAINPOINT HIC801W

RAINPOINT Sprinkler Controller 8 Zone User Manual

Model: HIC801W

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your RAINPOINT 8-Zone Smart Irrigation Controller (Model HIC801W). This smart controller is designed to optimize your watering schedule based on local weather conditions, helping you maintain a healthy lawn and garden while conserving water.

Please read this manual thoroughly before installation and use to ensure proper functionality and to maximize the benefits of your new smart sprinkler system.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- Sprinkler controller x1
- Quick guide x1
- User manual x1 (this document)
- Screws and expansion bolts x3
- Transformer x1
- Mounting Template x1
- Label sticker x1

3. PRODUCT OVERVIEW

The RAINPOINT HIC801W Smart Sprinkler Controller features a user-friendly design with both physical controls and comprehensive app integration. It supports up to 8 watering zones.



Image: The RAINPOINT 8-Zone Sprinkler Controller (left) shown alongside its corresponding smartphone application interface (right). The controller features indicator lights for power, Wi-Fi, and 8 zones, along with manual control buttons. The app displays zone status, watering schedules, and manual trigger options.

The controller is designed for easy integration with existing 24VAC sprinkler systems and offers remote management capabilities via the RAINPOINT SMART+APP.

BIG YARD, NO PROBLEM

Smart Irrigation For 8 Zones

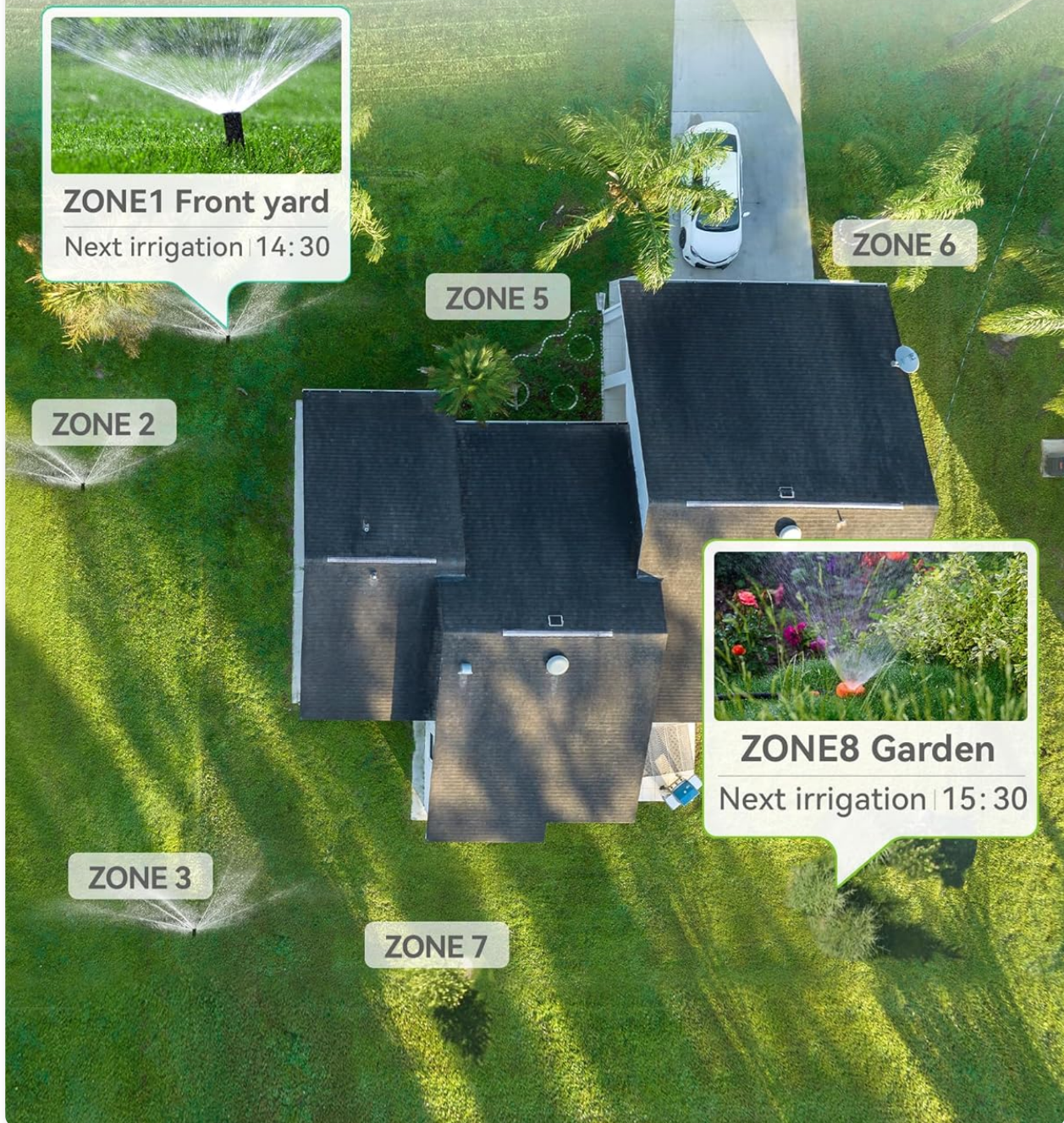


Image: An aerial perspective illustrating a property divided into 8 distinct watering zones, demonstrating the controller's capacity to manage large or complex irrigation layouts. Each zone is labeled with its number and an example of its next scheduled irrigation time.

4. INSTALLATION

Installation of the RAINPOINT HIC801W is designed to be straightforward, typically taking 15-30 minutes. No special tools are required.

1. **Prepare for Replacement:** Before removing your old controller, use the provided label stickers to clearly tag each wire according to its zone or common connection. This will simplify the wiring process for the new controller.
2. **Mount the Controller:** Use the mounting template to mark the desired location on the wall. Secure the controller using the included screws and expansion bolts. Ensure the location is suitable for a 24VAC device and within Wi-Fi range.

3. **Connect Wiring:**

- Connect the common wire(s) to the "C" terminal.
- Connect each zone wire to its corresponding numbered terminal (1-8).
- Connect the 24VAC power adapter to the "24V AC" terminals.

The easy-press terminals simplify wire insertion without needing tools. The magnetic housing allows for easy attachment and detachment of the front panel.

4. **Power On:** Plug the transformer into a power outlet. The controller will power on, and the Wi-Fi indicator will begin to flash, indicating it's ready for app setup.

EASY SELF-INSTALLATION



Image: A visual guide demonstrating the three key steps for self-installation: labeling and replacing the old controller, plugging in existing wires into the new controller's easy-press terminals, and setting up the device via the smartphone app.

EASY SELF-INSTALLATION

1



REPLACE OLD CONTROLLER

Before replace use the label sticker to tag each wire for identification

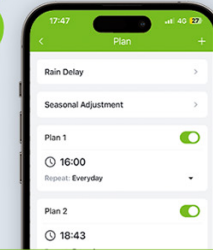
2



PLUG EXISTING WIRES

Easy-press terminals don't need tools

3



SETUP IN APP

Connect the WiFi and customize watering schedules

Image: A detailed three-step illustration of the installation process: 1. Replacing the old controller with the new unit, emphasizing the use of label stickers for wire identification. 2. Plugging existing wires into the new controller's easy-press terminals. 3. Setting up the device and customizing watering schedules using the mobile application.

5. SETUP AND APP CONNECTION

The RAINPOINT HIC801W requires connection to a 2.4GHz Wi-Fi network for smart functionality.

- 1. Download the App:** Download the "RAINPOINT SMART+" app from your smartphone's app store (iOS or Android).
- 2. Create Account:** Open the app and create a new account or log in if you already have one.
- 3. Add Device:** Follow the in-app instructions to add your new sprinkler controller. Ensure your phone is connected to a 2.4GHz Wi-Fi network during the pairing process.
- 4. Wi-Fi Pairing:** The app will guide you through connecting the controller to your home Wi-Fi network. The Wi-Fi indicator on the controller will become solid once successfully connected.

EASY PROGRAMS FOR FREE

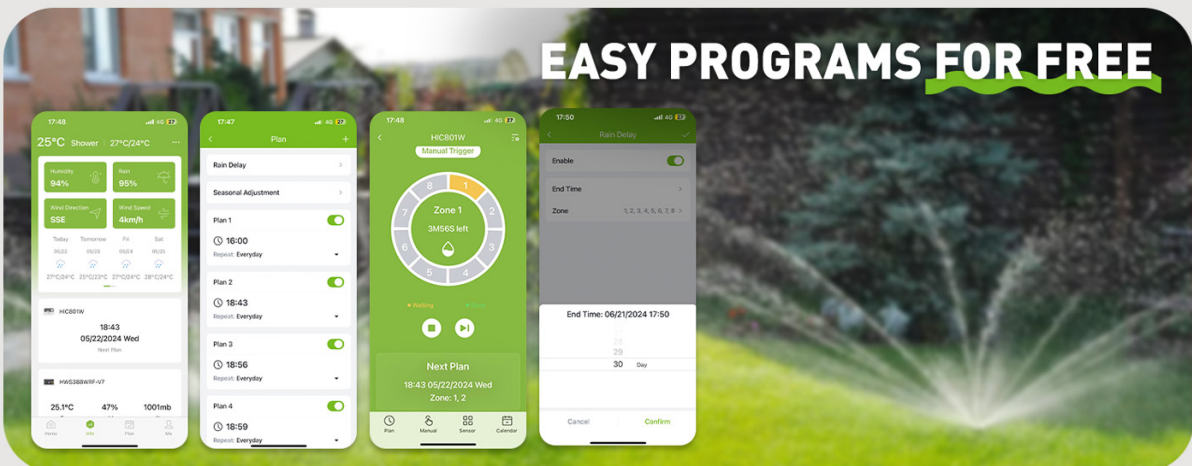


Image: A series of smartphone screenshots showcasing the RAINPOINT SMART+ app's interface for setting up and managing watering programs, including rain delay, seasonal adjustment, and individual zone control.

6. OPERATION

6.1. Scheduling and Smart Watering

The RAINPOINT HIC801W offers flexible scheduling options and smart watering features to optimize water usage.

- **Custom Schedules:** Create up to 8 custom watering schedules for each zone. You can define cycle and interval frequencies to match your landscape's specific needs.
- **Weather-Based Watering:** The controller utilizes local weather intelligence to automatically adjust watering. It can skip watering on rainy days to prevent overwatering and adjust duration based on seasonal changes (e.g., extending watering in hot summer months).
- **Seasonal Adjustment:** Manually adjust watering duration for different months to ensure optimal hydration throughout the year.
- **Soil Moisture Integration:** (Optional, requires separate soil sensor) When a compatible RAINPOINT soil sensor (HC5021FRF) is connected, the system can water based on actual soil moisture levels, further reducing water waste.

SMART WEATHER-BASED



Image: An illustration depicting the smart weather-based watering system, showing how it integrates data such as temperature, moisture percentage, sunny conditions, wind direction, and rainfall probability to create an optimized watering schedule.

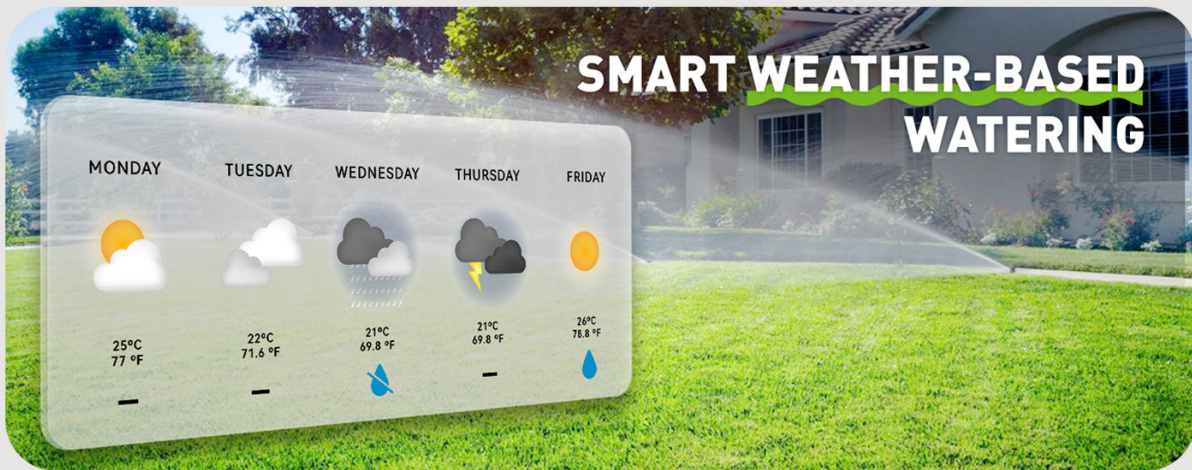


Image: A graphic overlaying a weather forecast (temperature, cloud cover, rain probability) onto a green lawn being watered, demonstrating the controller's ability to adjust watering based on upcoming weather conditions.



Image: A visual representation of soil moisture-based watering, showing a graph of humidity levels over time and a RAINPOINT soil moisture sensor in the ground. This feature helps save up to 50% water by watering only when needed.

6.2. Manual Control

You can manually trigger watering cycles directly from the controller or through the app.

- **App Manual Control:** Use the "Manual" tab in the RAINPOINT SMART+ app to select specific zones and set custom watering durations for immediate irrigation.
- **Controller Manual Control:** The physical buttons on the controller allow for basic manual operation of zones.

CONTROL FROM ANYWHERE



WiFi Control



Voice Control



Image: A woman on a couch using her smartphone to control the sprinkler system, with a voice assistant speaker nearby, illustrating the convenience of Wi-Fi and voice control from anywhere.



Image: Examples of instant watering scenarios, such as expelling animals or for cooling and dust removal, demonstrating the flexibility of manual control via the app.

6.3. Notifications and History

The app provides real-time notifications and allows you to monitor irrigation history.

- **Real-Time Notifications:** Receive alerts for important events, such as valve abnormalities, directly on your smartphone.
- **Irrigation History:** Review past watering activities to refine future schedules and track water usage.

REAL-TIME NOTIFICATION

Give you more confidence in automatically sprinkler system



Image: A smartphone screen showing real-time notifications from the RAINPOINT app, indicating a reported valve abnormal alarm for Zone 4, providing confidence in the automated sprinkler system.



Image: A monthly irrigation plan calendar alongside the app interface, illustrating how users can record and review past irrigation activities to help refine future watering schedules.

7. MAINTENANCE

The RAINPOINT HIC801W is designed for minimal maintenance. Follow these guidelines to ensure longevity and optimal performance:

- **Keep Clean:** Regularly wipe the exterior of the controller with a soft, dry cloth to remove dust and debris. Avoid using harsh chemicals or abrasive cleaners.
- **Environmental Conditions:** While the unit is robust, it is primarily designed for indoor use or protected outdoor locations. Avoid direct exposure to extreme weather conditions unless specifically housed in a weather-proof enclosure.
- **Wi-Fi Stability:** Ensure your 2.4GHz Wi-Fi network is stable and the controller remains within good signal range for uninterrupted smart functionality.
- **Wiring Check:** Periodically inspect the wiring connections to ensure they are secure and free from corrosion.

8. TROUBLESHOOTING

If you encounter issues with your RAINPOINT HIC801W, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Controller not powering on.	No power to the outlet; faulty transformer; loose wiring.	Check the power outlet with another device. Ensure the transformer is securely plugged in. Verify 24VAC wiring connections to the controller.

Problem	Possible Cause	Solution
Wi-Fi indicator flashing or off.	Not connected to Wi-Fi; weak Wi-Fi signal; incorrect Wi-Fi password.	Ensure your router is on and broadcasting a 2.4GHz network. Move the controller closer to the router. Re-attempt Wi-Fi pairing through the app, ensuring the correct password is entered.
Zones not watering.	Loose zone wiring; faulty solenoid; water supply off; rain delay active; schedule not set.	Check individual zone wiring connections. Verify water supply is on. Check the app for active rain delays or if a schedule is properly configured for the zone. Test the solenoid manually if possible.
App not connecting to controller.	Controller offline; app outdated; phone not on 2.4GHz Wi-Fi during initial setup.	Ensure the controller's Wi-Fi indicator is solid. Update the RAINPOINT SMART+ app to the latest version. For initial setup, ensure your phone is connected to a 2.4GHz Wi-Fi network.
Overwatering or underwatering.	Incorrect schedule settings; weather intelligence not enabled; soil sensor issues (if applicable).	Review and adjust your watering schedules in the app. Ensure weather-based watering and seasonal adjustment features are enabled. If using a soil sensor, check its functionality and placement.

If the problem persists, please contact RAINPOINT customer support for further assistance.

9. SPECIFICATIONS

Feature	Detail
Model	HIC801W
Zones	8
Compatibility	Standard 24VAC sprinkler systems (99% compatible)
Wi-Fi Connectivity	2.4GHz Wi-Fi only
Control Method	RAINPOINT SMART+ App, On-device manual controls
Smart Features	Weather-based watering (rain skip, seasonal adjust), Optional soil moisture integration (sensor sold separately)
Power Supply	24 Volts (AC)
Item Weight	2.29 pounds
Package Dimensions	8.19 x 5.63 x 4.41 inches
Operating Temperature	37 Degrees Fahrenheit (minimum, likely refers to freeze skip threshold)

10. WARRANTY AND SUPPORT

RAINPOINT is committed to providing high-quality products and excellent customer service. For warranty information, please refer to the warranty card included with your product or visit the official RAINPOINT website.

For technical support, troubleshooting assistance, or any inquiries regarding your RAINPOINT Sprinkler Controller, please contact our customer service team:

- **Live Chat:** Available on the RAINPOINT official website.
- **Email Support:** Refer to the quick guide or official website for contact email.
- **Online Resources:** Visit the RAINPOINT store on Amazon or their official website for FAQs and additional resources.

LOCAL CUSTOMER SERVICE



Live Chat



Email



Local Business



Image: An image illustrating the available customer service options from RAINPOINT, including live chat, email support, and local business presence, with customer service representatives shown in the background.