

HiOazo HSC-600W (6-Zone)

HiOazo WiFi Sprinkler System Controller User Manual

Model: HSC-600W (6-Zone)

Brand: HiOazo

1. INTRODUCTION

The HiOazo WiFi Sprinkler System Controller is an advanced indoor irrigation solution designed to provide efficient and automated watering for your garden. This 6-zone controller integrates with a user-friendly mobile application, allowing for remote management and intelligent weather-based watering adjustments. This manual provides detailed instructions for installation, operation, maintenance, and troubleshooting to ensure optimal performance of your sprinkler system.

2. SAFETY INFORMATION

Please read all safety instructions carefully before installing and operating the device. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- Ensure the power supply is disconnected before performing any wiring or maintenance.
- This device is designed for indoor use only. Do not expose it to rain, moisture, or extreme temperatures.
- Only use the power adapter provided with the controller.
- Keep the device out of reach of children.
- Do not attempt to disassemble or repair the controller yourself. Contact qualified personnel for service.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- HiOazo WiFi Sprinkler Controller (HSC-600W) x 1
- User Manual x 1

4. PRODUCT OVERVIEW

The HiOazo HSC-600W controller features a compact design with intuitive indicators and connection ports.



Figure 4.1: HiOazo 6-Zone WiFi Sprinkler Controller with accompanying mobile app interface.

HiAzo Smart Sprinkler Controller



APP Control



6-Zone Controls



16 Custom Schedules



Smart Weather Skips

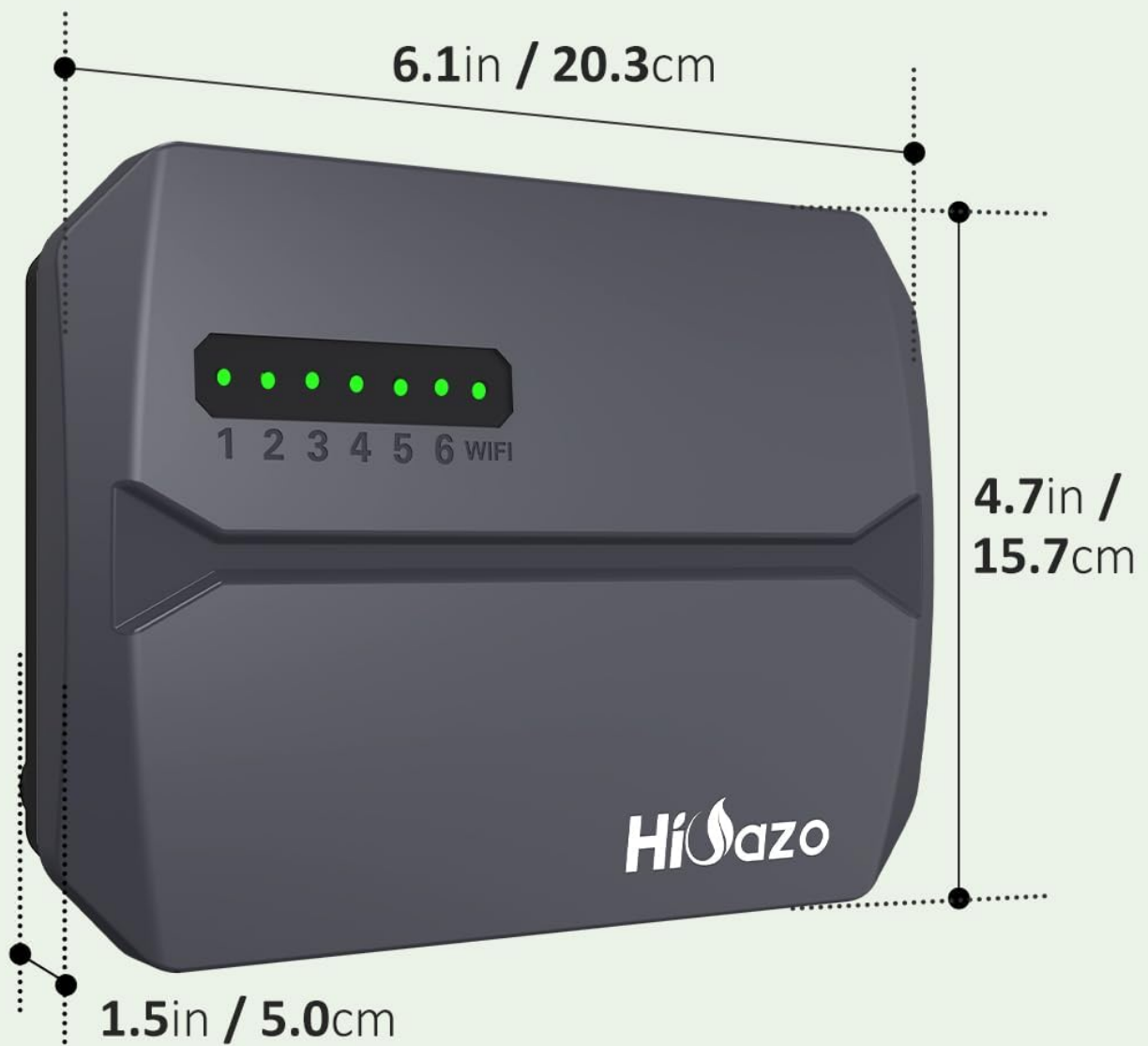


Multi-time Watering



Figure 4.2: Overview of key features including App Control, 6-Zone Controls, 16 Custom Schedules, Smart Weather Skips, and Multi-time Watering.

4.1. Dimensions



Courtyard



Lawn



Misting System



Figure 4.3: Physical dimensions of the HiOazo controller (6.1in/20.3cm width, 4.7in/15.7cm height, 1.5in/5.0cm depth) and its wiring terminal layout.

5. INSTALLATION

Follow these steps for a quick and easy installation of your HiOazo sprinkler controller.

5.1. Mounting the Controller

Choose a suitable indoor location near your existing sprinkler wiring and a power outlet. Ensure the location is protected from direct sunlight, moisture, and extreme temperatures.

1. Mark the desired mounting points on the wall using the controller as a template.
2. Drill pilot holes at the marked locations.
3. Insert wall anchors if necessary.
4. Secure the controller to the wall using appropriate screws.

Installation Complete in Just 10 Minutes

10 Minutes

1 Install



2 Wiring



3 Schedule



Figure 5.1: The three main steps for installation: 1. Mount the device, 2. Wire the connections, 3. Set up the schedule via the app.

5.2. Wiring Connections

Connect your existing sprinkler system wires to the HiOazo controller terminals. Refer to the wiring diagram below and on the controller itself.

Table 5.1: Wiring Terminal Descriptions

Terminal	Description
C	Common Wire
M	Master Valve / Pump Start Relay
1-6	Zone Wires (for zones 1 through 6)
S	Rain Sensor (optional)
24VAC	24V AC Power Input

Steps:

1. Carefully remove the protective face plate of the controller.
2. Connect the common wire from your sprinkler system to the 'C' terminal.
3. Connect the master valve or pump start relay wire (if applicable) to the 'M' terminal.
4. Connect each zone wire (1-6) to its corresponding numbered terminal (1, 2, 3, 4, 5, 6).
5. If using a rain sensor, connect its wires to the 'S' terminals.
6. Connect the 24VAC power adapter to the '24VAC' terminals.
7. Replace the protective face plate.

6. APP SETUP AND WI-FI CONNECTION

The HiOazo controller is managed via the HiOazo mobile application. Ensure your smartphone is connected to a 2.4GHz Wi-Fi network during the setup process.

6.1. Download the HiOazo App

Search for "HiOazo" in your device's app store (Apple App Store for iOS or Google Play Store for Android) and download the application.

6.2. Register and Log In

Open the HiOazo app and follow the on-screen instructions to register a new account or log in if you already have one.

6.3. Connect to Wi-Fi

1. Ensure the HiOazo controller is powered on. The Wi-Fi indicator light should be flashing. If not, press and hold the reset button (usually marked with a Wi-Fi symbol or 'R') until it flashes.
2. In the HiOazo app, tap the "+" icon (usually in the top right corner) to add a new device.
3. Select the "Sprinkler Controller" or similar device type.
4. Follow the in-app prompts to connect the controller to your 2.4GHz Wi-Fi network. You will need to enter your Wi-Fi password.
5. Once connected, the Wi-Fi indicator light on the controller will turn solid, indicating a successful connection.

Newly Upgraded Hioazo App

Remotely Monitor And optimize your watering via 2.4GHz Wi-Fi networks



Figure 6.1: The newly upgraded HiOazo App allows remote monitoring and optimization of watering via 2.4GHz Wi-Fi networks.

7. OPERATION

Control and customize your watering schedules using the HiOazo app from anywhere.

Control Irrigation At Your Fingertips

Monitor and optimize watering from anywhere via WiFi



Figure 7.1: Monitor and optimize your watering from anywhere using the HiOazo app via WiFi.

7.1. Creating Watering Schedules

The HiOazo app allows you to create up to 16 custom watering schedules with multiple frequencies to suit your plants' specific needs.

- **Zone Selection:** Assign specific zones to each schedule.
- **Watering Duration:** Set the duration for each zone.
- **Frequency Options:** Choose from various frequencies such as daily, odd/even days, specific days of the week, or interval modes.
- **Start Times:** Schedule watering to start at specific times, or utilize sunrise/sunset scheduling for optimal timing.

7.2. Smart Weather Skips

The controller intelligently skips watering schedules based on local weather conditions, preventing overwatering and conserving water.

- **Rain Skip:** Automatically skips watering if rain is detected or forecasted.
- **Freeze Skip:** Prevents watering when temperatures drop below freezing to protect plants and pipes.
- **Wind Skip:** Skips watering during high winds to ensure water reaches its intended target and reduce evaporation.
- **Seasonal Adjust Skip:** Adjusts watering duration based on seasonal changes.

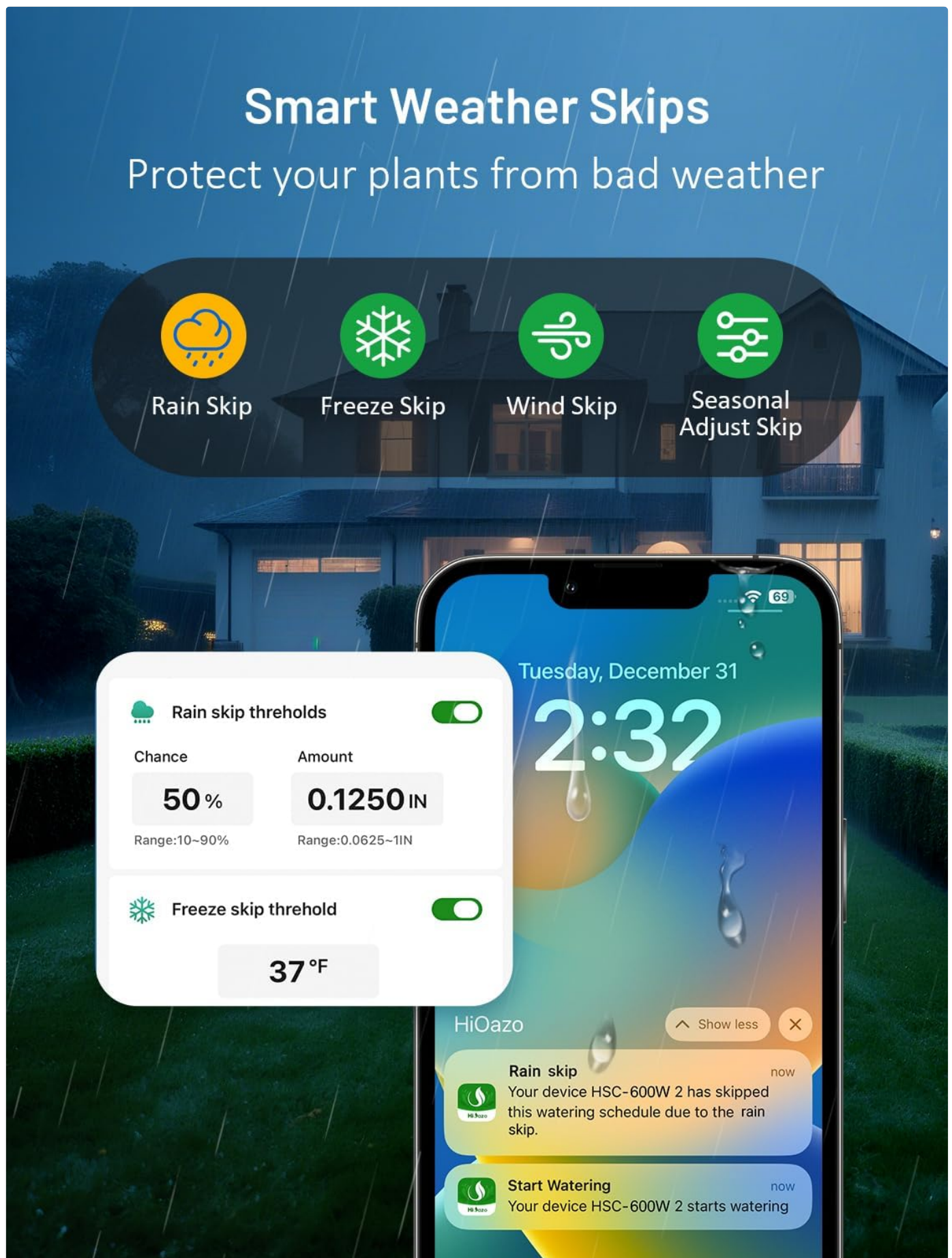


Figure 7.2: Configure rain skip thresholds and freeze skip temperatures within the HiOazo app to protect your plants from adverse weather.

7.3. Cycle and Soak Mode

This feature prevents water runoff on sloped or compacted soil by breaking watering times into shorter cycles, allowing water to absorb effectively.

- Enables the soil to absorb water gradually.
- Prevents runoff and promotes healthy soil conditions.

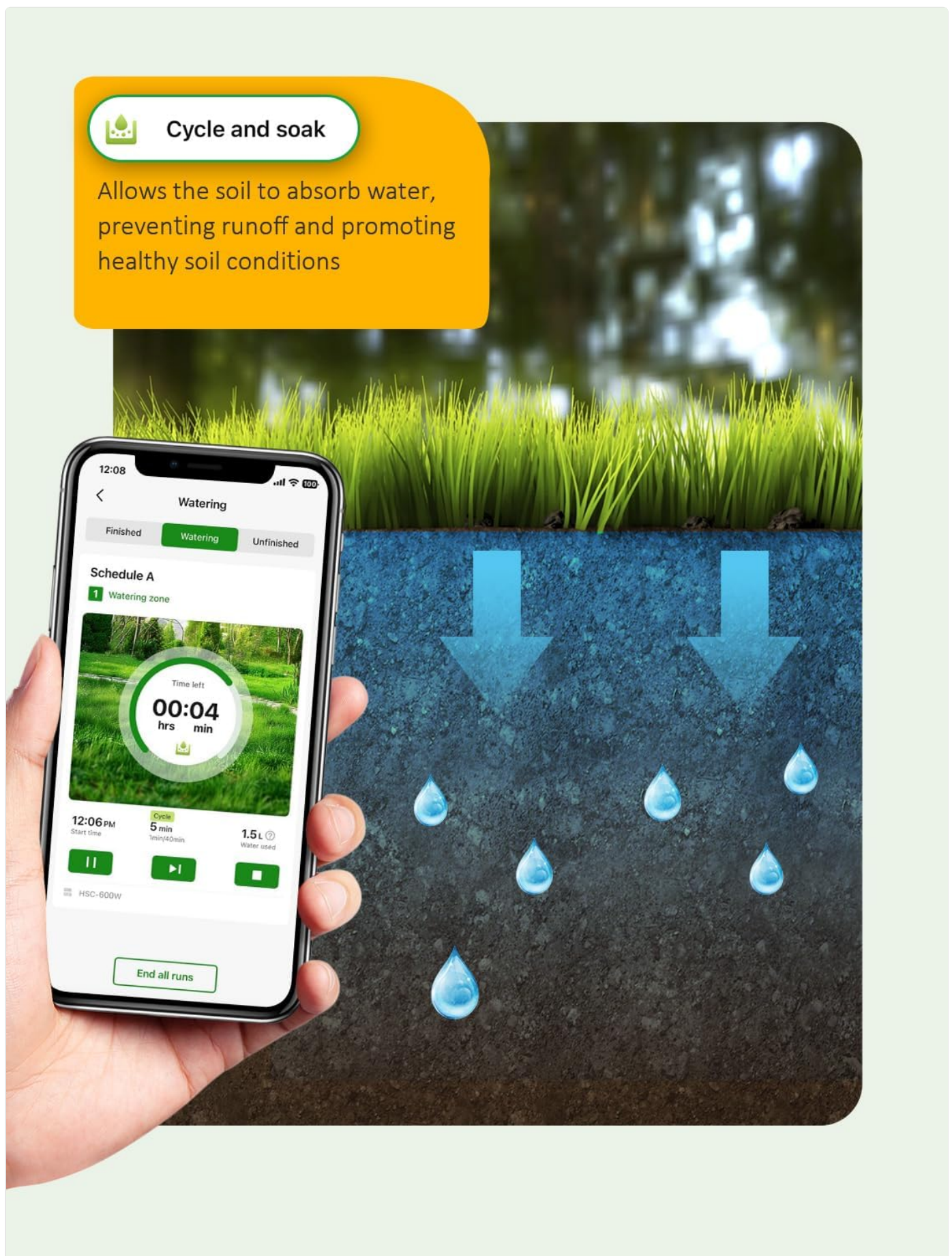


Figure 7.3: Illustration of Cycle and Soak mode, showing water gradually penetrating the soil to prevent runoff.

7.4. Manual Watering

You can initiate manual watering for individual zones or all zones directly from the app, overriding scheduled programs as needed.

8. MAINTENANCE

The HiOazo controller requires minimal maintenance. Follow these guidelines to ensure longevity:

- Keep the controller clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Ensure proper ventilation around the device.
- Periodically check wiring connections to ensure they are secure.
- During winter months in cold climates, consider disconnecting the controller and storing it indoors to prevent damage from freezing temperatures, especially if the installation location is not temperature-controlled.

9. TROUBLESHOOTING

If you encounter issues with your HiOazo WiFi Sprinkler System Controller, refer to the table below for common problems and solutions.

Table 9.1: Common Troubleshooting Steps

Problem	Possible Cause	Solution
Controller not powering on	No power, faulty adapter, loose connection	Check power outlet, ensure adapter is securely connected, try a different outlet.
Cannot connect to Wi-Fi	Incorrect Wi-Fi password, 5GHz network, controller too far from router, Wi-Fi signal interference	Ensure correct 2.4GHz Wi-Fi network is selected, re-enter password, move controller closer to router, restart router.
Zones not watering	Wiring issue, valve problem, schedule not active, rain/freeze skip active	Check zone wiring, manually test valves, verify schedule in app, check weather skip settings.
App not responding	App glitch, network issue	Close and restart the app, check phone's internet connection.

If the problem persists after trying these steps, please contact HiOazo customer support.

10. SPECIFICATIONS

Table 10.1: Product Specifications

Feature	Detail
Model	HSC-600W
Zones Supported	6
Connectivity	2.4GHz Wi-Fi (IEEE 802.11b/g/n)
Power Input	24VAC
Operating Temperature	Indoor use only
Included Components	Controller, User Manual

Feature	Detail
Batteries Required	No

11. WARRANTY AND SUPPORT

For warranty information and technical support, please contact HiOazo customer service.

Email: support@hioazo.com

Please have your product model and purchase information ready when contacting support.