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HiOazo HO-SC-8W

# HiOazo Smart Indoor Sprinkler Controller HO-SC-8W User Manual

Model: HO-SC-8W

## 1. PRODUCT OVERVIEW

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The HiOazo HO-SC-8W is an 8-zone smart indoor sprinkler controller designed for efficient and automated irrigation. It features Wi-Fi connectivity for remote control via a free mobile application, a built-in time chip with non-volatile memory to retain settings during power outages, and support for rain sensors to prevent overwatering. The controller offers both automatic and manual watering modes, with customizable schedules for individual zones.

# HiOazo Smart Sprinkler Controller



Figure 1: HiOazo HO-SC-8W Smart Sprinkler Controller and its mobile application interface.

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Video 1: An overview of the HiOazo 8-Zone Smart Sprinkler Controller's features and capabilities.

## 2. PACKAGE CONTENTS

- HiOazo HO-SC-8W Smart Sprinkler Controller
- AC Power Adapter
- Mounting Screws and Anchors
- Wire Connectors
- Quick Start Guide

## 3. SPECIFICATIONS

Feature	Specification
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Feature	Specification
Model	HO-SC-8W
Zones	8 Zones
Connectivity	2.4G Wi-Fi
Power Input	AC Adapter (included)
Memory	Non-volatile memory for settings retention
App Compatibility	iOS 11.0+ and Android 5.0+
Rain Sensor Support	Yes (rain sensor not included)
Dimensions	7.8 x 1.5 x 5.5 inches
Weight	1.9 pounds
Material	Acrylonitrile Butadiene Styrene (ABS), Metal
Voltage	24 Volts

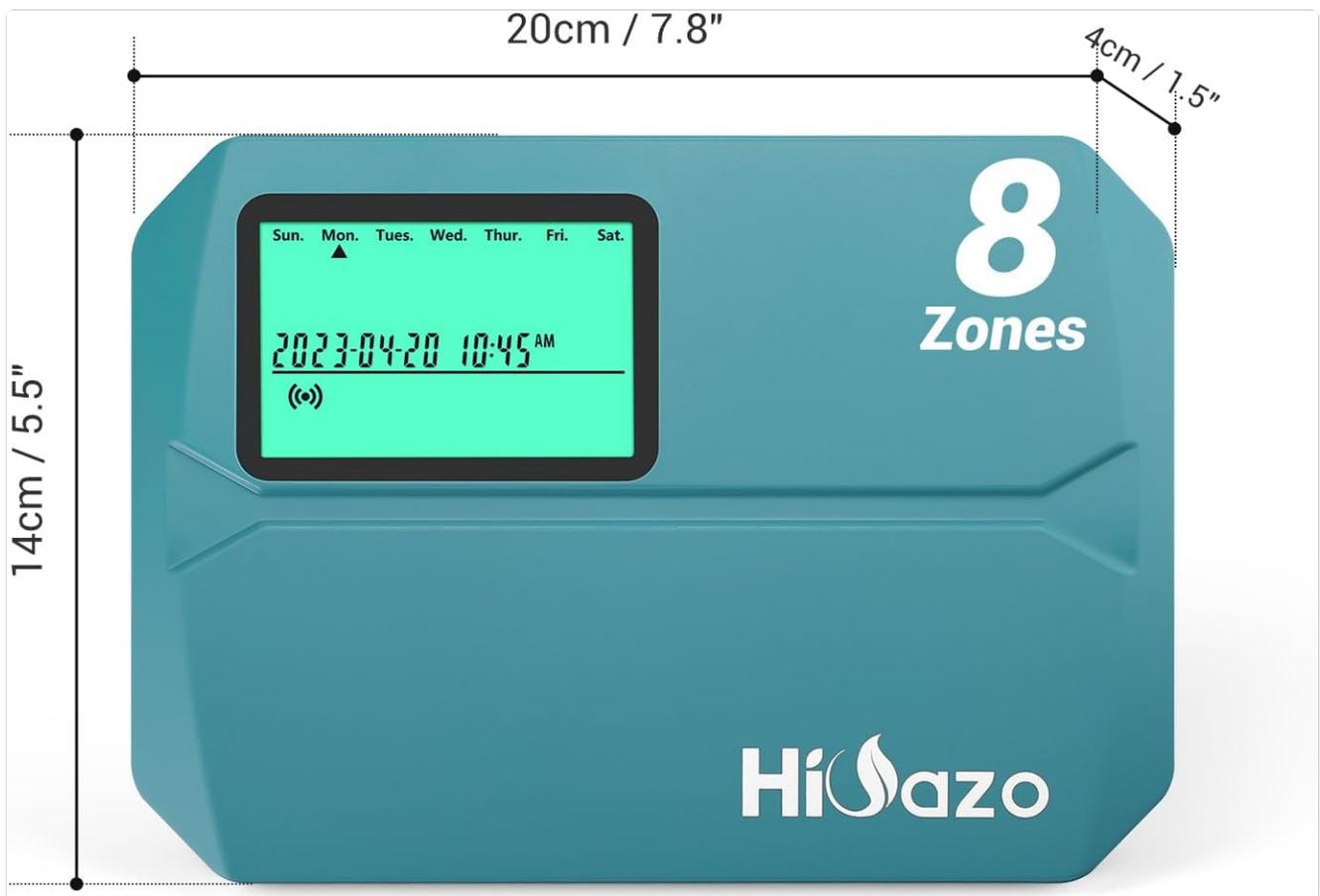


Figure 2: Physical dimensions of the HiOazo HO-SC-8W Smart Sprinkler Controller.

## 4. INSTALLATION

### 4.1 Mounting the Controller

1. Choose a suitable indoor location near an AC outlet and away from direct sunlight or extreme temperatures.

2. Use the provided mounting screws and anchors to securely attach the controller to the wall.

## 4.2 Wiring Connection

Connect your sprinkler system's common wire (C), zone wires (1-8), and optional rain sensor wires (S1, S2) to the corresponding terminals on the controller. Ensure all connections are secure.

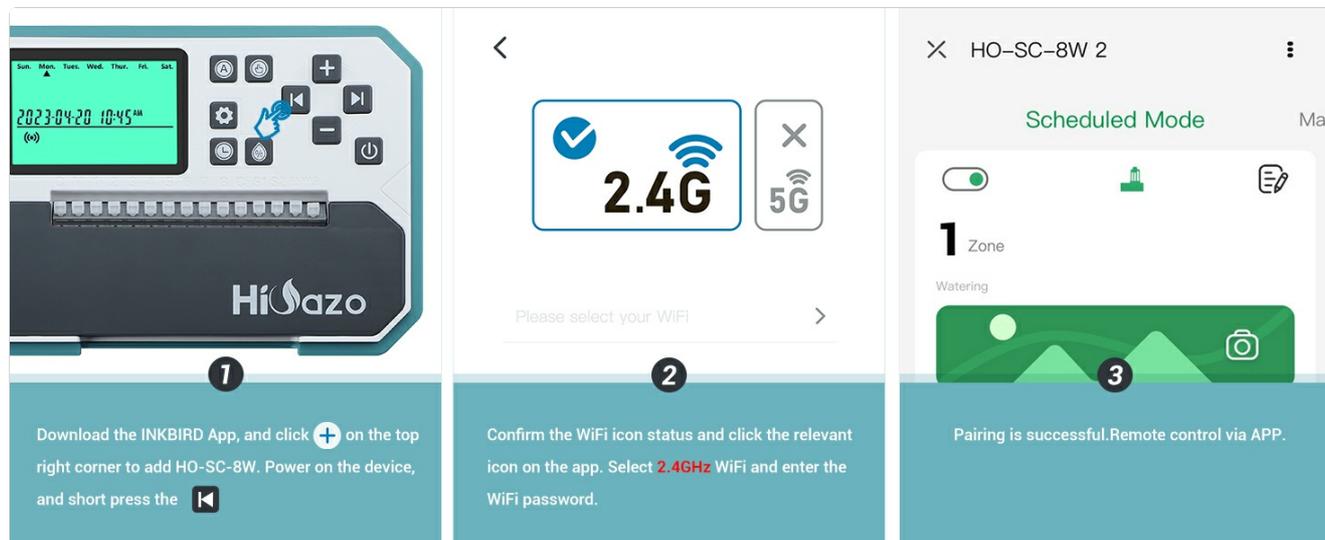


Figure 3: Detailed wiring diagram showing connections for common, zone, and rain sensor wires.

## 4.3 Power Connection

Connect the included AC power adapter to the controller's power input port and then plug it into a standard electrical outlet. The controller display should illuminate.

## 5. APP INSTALLATION AND DEVICE PAIRING

To utilize the smart features of your HiOazo controller, download the companion mobile application and pair your device.

1. Download the **INKBIRD App** from the App Store (iOS) or Google Play Store (Android).
2. Open the app and create an account or log in.
3. On the app's home screen, tap the "+" icon in the top right corner to add a new device.
4. Select the HO-SC-8W from the list of available devices.
5. Ensure your controller is powered on. The Wi-Fi icon on the controller's display should be flashing rapidly for fast pairing mode. If not, long-press the 'Back' button (left arrow) for 2 seconds until it flashes rapidly.
6. Follow the in-app instructions to connect the controller to your 2.4GHz Wi-Fi network. *Note: The controller only supports 2.4GHz Wi-Fi. If you have a dual-band router, ensure the 2.4GHz band is enabled and named differently from the 5GHz band.*
7. Once connected, the Wi-Fi icon on the controller will stop flashing and remain solid, indicating successful pairing.

# Easy to use



① Download the INKBIRD App, and click **+** on the top right corner to add HO-SC-8W. Power on the device, and short press the **◀**

② Confirm the WiFi icon status and click the relevant icon on the app. Select **2.4GHz** WiFi and enter the WiFi password.

③ Pairing is successful. Remote control via APP.

Figure 4: Visual guide for connecting the HO-SC-8W controller to the mobile application.

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Video 2: A step-by-step guide on how to pair the HiOazo HO-SC-8W Smart Sprinkler Controller with the mobile application.

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Video 3: Instructions on how to set up the HiOazo HO-SC-8W Smart Sprinkler Controller for initial use.

## 6. OPERATION

### 6.1 Setting the Clock

To set the current time and date on the controller:

1. Press the **Settings** button (gear icon).
2. Use the **Forward** (right arrow) and **Back** (left arrow) buttons to navigate through Year, Month, Day, Hour, and Minute settings.
3. Use the **Plus** (+) and **Minus** (-) buttons to adjust the values.

4. Press the **Settings** button again to save the changes.

## 6.2 Manual Watering

Manual watering allows you to water specific zones or all zones immediately without affecting your programmed schedules.

1. Press the **Manual Watering** button (water drop icon with hand).
2. Use the **Forward** (right arrow) and **Back** (left arrow) buttons to select a specific zone (1-8) or 'ALL' for all zones.
3. Use the **Plus** (+) and **Minus** (-) buttons to set the desired watering duration in minutes.
4. Press the **Manual Watering** button again to start watering.

# Immediately Add Extra Water

Manual mode can water each zone or all zones.  
Enable watering without interrupting your set program.



Figure 5: The manual watering function allows immediate irrigation for selected zones.

## 6.3 Automatic Scheduling

The controller supports up to six start times per zone with run times from 1 minute to 3 hours. Schedules can be customized for specific days of the week, odd/even calendar days, or intervals. Detailed scheduling is managed through the mobile application.

## 6.4 Seasonal Adjust

The seasonal adjust feature allows you to globally increase or decrease watering duration for all active zones by a percentage, adapting to changing weather conditions without modifying individual schedules.

## 6.5 Rain Sensor Functionality

The HO-SC-8W controller supports connection to an external rain sensor (sold separately). When a rain sensor is detected, it will automatically skip scheduled watering cycles during rainy conditions, preventing overwatering and conserving water.

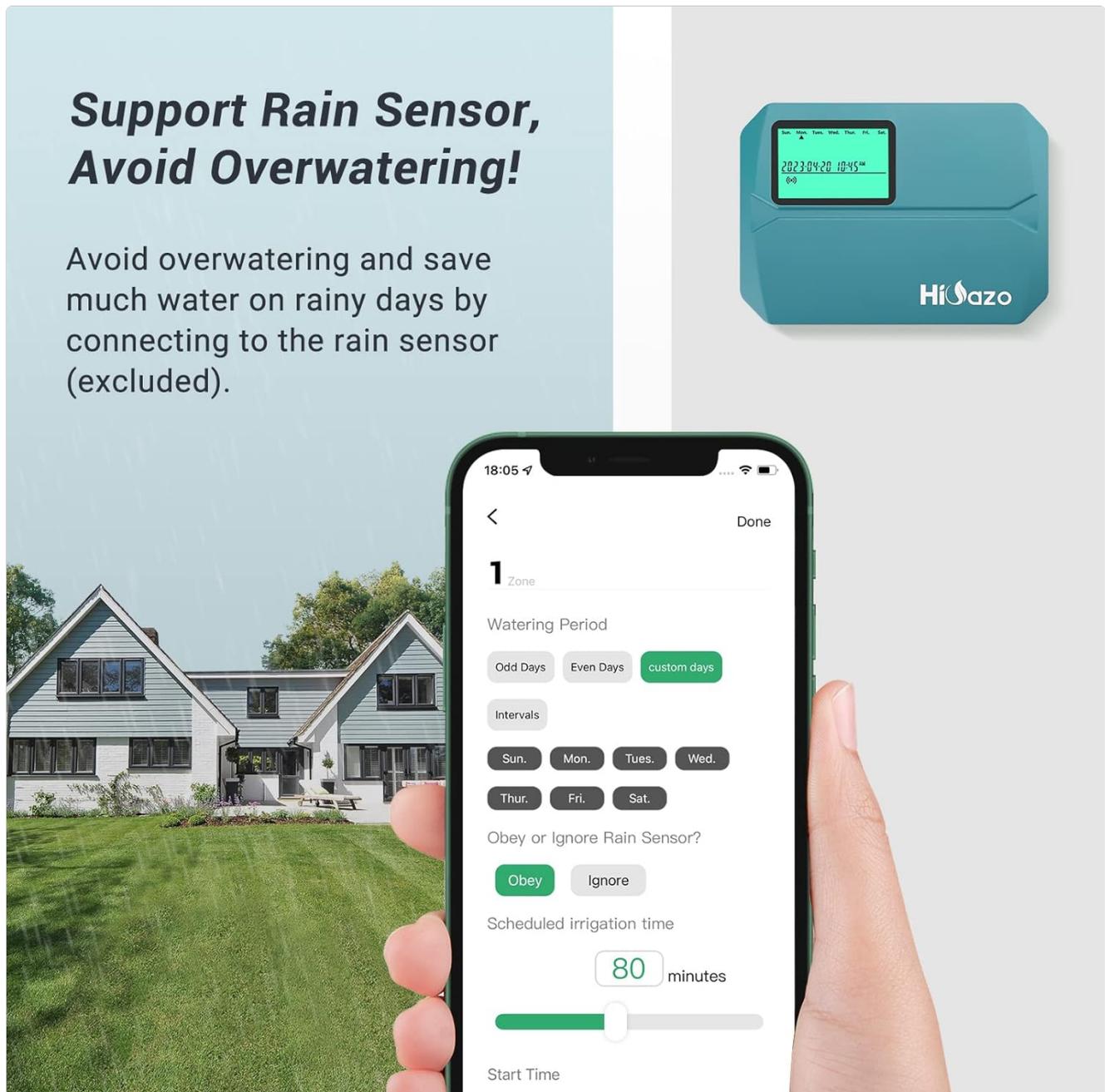


Figure 6: The controller's rain sensor compatibility helps prevent unnecessary watering.

## 7. MAINTENANCE

To ensure optimal performance and longevity of your HiOazo Smart Sprinkler Controller:

- Keep the controller clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Regularly check all wire connections to ensure they are secure and free from corrosion.

- Avoid exposing the controller to direct moisture or extreme temperatures, as it is designed for indoor use.
- Periodically check for app updates to ensure you have the latest features and bug fixes.

## 8. TROUBLESHOOTING

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### 8.1 Controller Not Powering On

- Ensure the AC power adapter is securely plugged into both the controller and a working electrical outlet.
- Verify that the electrical outlet is receiving power.

### 8.2 Wi-Fi Connection Issues

- Confirm your Wi-Fi network is 2.4GHz. The controller does not support 5GHz Wi-Fi.
- Ensure the controller is within range of your Wi-Fi router.
- Check that the Wi-Fi password entered in the app is correct.
- If using a dual-band router, ensure the 2.4GHz band has a unique name.
- Try restarting your Wi-Fi router and the sprinkler controller.

### 8.3 Sprinklers Not Activating

- Verify all zone and common wires are correctly and securely connected to the controller terminals.
- Check the sprinkler valves in your irrigation system for any issues.
- Ensure the controller is not in a paused or rain-delay state (if a rain sensor is connected).
- Test individual zones using the manual watering feature to isolate the problem.

### 8.4 'Time Error' Displayed

- This indicates a discrepancy in the internal clock. Reconnect the controller to your Wi-Fi network to synchronize the time.
- If the issue persists, manually set the time as described in Section 6.1.

## 9. WARRANTY AND SUPPORT

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The HiOazo Smart Indoor Sprinkler Controller HO-SC-8W comes with a manufacturer's warranty. For specific warranty details, please refer to the warranty card included in your product packaging or contact HiOazo customer support.

For technical assistance, troubleshooting, or any product-related inquiries, please contact HiOazo customer support through the following channels:

- **Email:** [support@hioazo.com](mailto:support@hioazo.com)
- **Website:** Visit the official HiOazo website for FAQs and support resources.