

RAINPOINT TTC819W

RAINPOINT 8 Zone Smart Sprinkler Controller User Manual

Brand: RAINPOINT

Model: TTC819W

1. INTRODUCTION

The RAINPOINT 8 Zone Smart Sprinkler Controller is designed to provide efficient and intelligent irrigation for your garden and yard. This controller integrates local weather intelligence and Wi-Fi connectivity, allowing for automated watering schedules that adapt to real-time weather conditions, preventing over-watering and conserving water. Manage your entire irrigation system effortlessly through the dedicated RAINPOINT APP from anywhere.



Figure 1.1: RAINPOINT 8 Zone Smart Sprinkler Controller and App Interface.

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Video 1.1: Overview of the Rainpoint Smart Sprinkler Controller features.

2. WHAT'S IN THE Box

Upon unboxing your RAINPOINT Smart Sprinkler Controller, please verify that all the following components are included:

- Sprinkler controller (1 unit)
- Quick guide (1 unit)
- User manual (1 unit)
- Screws and expansion bolts (3 sets)
- Transformer (1 unit)

EASY INSTALL



Figure 2.1: Included components for the RAINPOINT Smart Sprinkler Controller.

3. SETUP AND INSTALLATION

The RAINPOINT Smart Sprinkler Controller is designed for easy self-installation, typically taking 15-30 minutes without requiring special tools. Follow these steps for a successful setup:

3.1 Physical Installation

1. **Choose a Location:** Select a suitable indoor or outdoor location near a 24VAC power outlet and within range of

your 2.4GHz Wi-Fi network. Ensure the location is protected from direct harsh weather if installed outdoors.

2. **Mount the Controller:** Use the provided mounting template to mark the screw positions on the wall. Install a screw into the wall, leaving a small portion exposed. Hang the controller onto this screw using the keyhole slot on its back. Secure the bottom of the controller with an additional screw through the bottom mounting hole.
3. **Wire the Transformer:** Attach the wires from the transformer into the AC terminals (labeled AC1, AC2) on the controller. Ensure a secure connection by tightening the screws.
4. **Connect Sprinkler Zone Wires:** Strip appropriate length of insulation from each sprinkler valve wire. Attach one wire from each valve to a numbered terminal (1-8) and the common wire (C) to the 'C' terminal. If you have a master valve, attach its wires to the 'C' and 'M' terminals. Ensure all connections are tight. The unique snap wire design helps organize cords.
5. **Connect Sensors (Optional):** If using rain or soil moisture sensors, connect them to the S1 and S2 terminals.
6. **Power On:** Plug the transformer into the power outlet. The controller's indicator lights should illuminate, indicating it's powered on.



Figure 3.1: Easy self-installation process for the controller.

3.2 App Connection and Initial Setup

The RAINPOINT APP provides comprehensive control and scheduling options:

- 1. Download the App:** Search for "RAINPOINT" in your smartphone's app store (iOS or Android) and download the application.
- 2. Register/Log In:** Create a new account or log in if you already have one.
- 3. Add Device:** In the app, select "Add Device" or the '+' icon. Choose the "8-Zone Wi-Fi Irrigation Controller" from the list.
- 4. Enter Connection Mode:** On the controller, hold the [Stop] button until the Wi-Fi indicator starts quick flashing.

This signifies it's in connection mode.

5. **Connect to Wi-Fi:** Follow the in-app instructions to connect the controller to your 2.4GHz Wi-Fi network. Ensure your phone is also connected to the same 2.4GHz network.
6. **Customize Zones:** Once connected, you can customize each zone with a name and picture for easy identification and management within the app.

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Video 3.2: Detailed guide on how to connect and use the RAINPOINT smart sprinkler controller.

4. OPERATING THE CONTROLLER

The RAINPOINT Smart Sprinkler Controller offers various ways to manage your irrigation, both manually and through the app.

4.1 Manual Control (On-Device Buttons)

- **Left Button (<):** Move the indicator to the left.
- **Right Button (>):** Move the indicator to the right.
- **Stop Button (■):** Press to cancel the running plan. Hold to enter connection mode.
- **Play Button (▶):** Press to turn on the selected valve or close the running valve.

4.2 App Control and Scheduling

The RAINPOINT APP provides comprehensive control and scheduling options:

- **Flexible Scheduling:** Create up to eight custom watering schedules for each zone. Tailor run times, start times, and cycle frequency to suit your lawn's specific needs.
- **Quick Run Feature:** Need immediate watering for a specific zone? Use the "Quick Run" feature via the app without affecting your existing scheduled plans.
- **Remote Control:** Manage your watering schedule effortlessly from anywhere with 2.4GHz Wi-Fi connectivity.
- **Data Sharing:** Share control and data with family members or homeowners for collaborative landscape management.
- **Irrigation History:** Monitor irrigation calendars and history within the app to review past watering cycles, analyze usage trends, and refine future schedules.

EASY CONTROL WITH APP

Only support 2.4GHz WiFi



Figure 4.1: App interface for easy control and scheduling.

4.3 Weather-Based Watering (Local Weather Intelligence)

The RAINPOINT Smart Sprinkler Controller uses local weather intelligence to optimize watering and prevent waste:

- **Automatic Skips:** The system automatically skips unnecessary watering during rain, freezing weather, or high wind conditions.
- **Custom Delay Times:** Set custom delay times (24/48/72 hours) to ensure optimal watering based on recent precipitation.

INTELLIGENT WEATHER SKIPS

Up to **50%** Water Saving



Figure 4.2: Intelligent weather skips for water conservation.

SMART WEATHER BASED WATERING

Weather Stations Based

250000+



Figure 4.3: Weather-based watering utilizing data from over 250,000 weather stations.

5. MAINTENANCE

To ensure the longevity and optimal performance of your RAINPOINT Smart Sprinkler Controller, consider the following maintenance tips:

- **Regular Cleaning:** Periodically wipe down the controller's exterior with a soft, damp cloth to remove dust and debris. Avoid using harsh chemicals.
- **Check Connections:** Annually, or if you experience connectivity issues, inspect all wire connections to ensure they are secure and free from corrosion.

- **Winterization (if applicable):** In regions with freezing temperatures, follow standard sprinkler system winterization procedures, which may include disconnecting the controller and draining lines to prevent damage.
- **Power Outage Resilience:** The controller retains programming during power outages and automatically resumes once power is restored. Data remains intact, and the controller continues to operate the next scheduled plan even if the Wi-Fi connection is lost.

NO WORRY WHEN OFFLINE

Automatically continues to run if WiFi lost



Figure 5.1: The controller's resilience during power outages and Wi-Fi loss.

6. TROUBLESHOOTING

If you encounter issues with your RAINPOINT Smart Sprinkler Controller, try the following troubleshooting steps:

Problem	Possible Cause	Solution
Controller not powering on.	No power to outlet; faulty transformer.	Check the power outlet with another device. Ensure the transformer is securely plugged in.
Cannot connect to Wi-Fi.	Incorrect Wi-Fi password; 5GHz Wi-Fi network; controller too far from router.	Ensure you are connecting to a 2.4GHz Wi-Fi network. Verify the Wi-Fi password. Move the controller closer to the router or consider a Wi-Fi extender. Re-enter connection mode on the controller.
Zones not watering.	Incorrect wiring; valve issue; schedule not active; rain skip active.	Check all wiring connections (common wire, zone wires). Verify the schedule is active and not paused. Check if a rain skip or other weather-based skip is active in the app. Manually test the zone from the app or controller.
App not responding.	App glitch; phone connectivity issue.	Close and restart the RAINPOINT app. Check your phone's internet connection.

7. SPECIFICATIONS

- **Compatibility:** Standard 24VAC sprinkler systems (compatible with 99% of systems)
- **Zones:** Up to 8 normal valves and one master valve
- **Sensor Support:** Pair with up to 2 sensors
- **Wi-Fi:** Supports 2.4GHz Wi-Fi only
- **Transformer Input:** 120V
- **Transformer Output:** 24V AC 0.8A
- **Material:** Durable Plastic
- **Color:** White
- **Display Type:** Digital
- **Item Weight:** 1.92 pounds
- **Package Dimensions:** 9.45 x 5.91 x 2.68 inches
- **Country of Origin:** China

8. WARRANTY AND SUPPORT

RAINPOINT offers a 5-year warranty on this product. For any technical assistance, troubleshooting, or warranty claims, please contact RAINPOINT customer service through the following channels:

- **Live Chat:** Available through the RAINPOINT APP.
- **Email:** Refer to the contact information provided in the quick guide or on the official RAINPOINT website.

Local Customer Service



Figure 8.1: RAINPOINT customer service options.

Documents - RAINPOINT – TTC819W



[RainPoint TTC819W 8-Zone Wi-Fi Irrigation Controller User Manual](#)

Comprehensive user manual for the RainPoint TTC819W 8-Zone Wi-Fi Irrigation Controller, covering installation, app connection, features, troubleshooting, and specifications.

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