

RAINPOINT HTV145FRF

RAINPOINT WiFi Water Timer HTV145FRF User Manual

Model: HTV145FRF (Timer) & HWG023 (Gateway)

INTRODUCTION

The RAINPOINT WiFi Water Timer HTV145FRF, paired with the HWG023 Gateway, provides an intelligent solution for automated garden watering. This system allows you to manage your irrigation schedules remotely via a smartphone application, ensuring your plants receive optimal hydration while conserving water. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to help you maximize the benefits of your smart watering system.

SETUP

Package Contents

- RAINPOINT WiFi Water Timer (HTV145FRF)
- RAINPOINT WiFi Gateway (HWG023)
- User Manual
- Required accessories for installation (e.g., adapters, seals)

Gateway Installation (HWG023)

The HWG023 Gateway provides the necessary WiFi connectivity for your water timer. Place the gateway indoors, centrally located to your garden area, and within range of your 2.4GHz WiFi network. Ensure it is connected to a power source.

NEWLY UPGRADED GATEWAY

>>More stable connection and longer distance



Image: The RAINPOINT HWG023 WiFi Gateway, featuring an antenna for enhanced connectivity. It requires a 2.4GHz WiFi connection.

Water Timer Installation (HTV145FRF)

1. **Insert Batteries:** Open the battery compartment and insert the required batteries (typically AA or AAA, refer to the device for specifics).
2. **Attach to Faucet:** Screw the water timer onto your outdoor garden hose faucet. Ensure a tight fit to prevent leaks. The timer features a brass inlet for durability.
3. **Connect Hose:** Attach your garden hose to the outlet of the water timer.
4. **Check Filter:** The timer includes a built-in filter. Ensure it is clean and properly seated before installation to prevent debris from entering the system.

NEWLY UPGRADED WATERPROOF DESIGN

IP65 Waterproof



Image: The RAINPOINT WiFi Water Timer highlighting its IP65 waterproof rating, durable brass inlet, integrated filter, and accessible battery compartment.

App Connection and Pairing

1. **Download App:** Download the RAINPOINT app from your smartphone's app store.
2. **Create Account:** Register for a new account or log in if you already have one.
3. **Add Gateway:** Follow the in-app instructions to add your HWG023 Gateway to the app. Ensure your phone is connected to a 2.4GHz WiFi network during this process.
4. **Pair Timer:** Once the gateway is connected, follow the app's instructions to pair your HTV145FRF Water Timer with the gateway. This typically involves a simple pairing mode on the timer.

REMOTELY APP CONTROL

>>APP Remote control wherever you go



Image: A smartphone displaying the RAINPOINT app interface, illustrating remote control capabilities and irrigation plan setup for the water timer.

OPERATING INSTRUCTIONS

Watering Modes and Schedules

The RAINPOINT app offers flexible watering options to suit various gardening needs:

- **Normal Irrigation:** Set watering duration from 1 minute to 12 hours.
- **Interval Irrigation:** Program watering for 1 second to 60 minutes with specified intervals.
- **Cycle & Soak:** Schedule watering from 1 minute to 12 hours, allowing for soak times to improve water absorption and reduce runoff.

You can tailor your watering routine with five frequency options: daily, weekly, odd days, even days, or every 2 to 30 days.



Image: The RAINPOINT Water Timer highlighting its three distinct irrigation modes and five customizable watering frequencies.

Smart Irrigation Features

The system can automatically adjust watering schedules based on real-time environmental conditions:

- **Weather-Based Adjustments:** The timer can skip watering on rainy days, preventing over-watering and conserving water. It also ensures adequate moisture during dry spells.
- **Sensor Integration:** The gateway supports connection with multiple sub-devices, such as soil and rain sensors, for more precise, data-driven watering decisions.

SAVE WATER ON RAINY DAYS

>> Automatically delay watering by weather

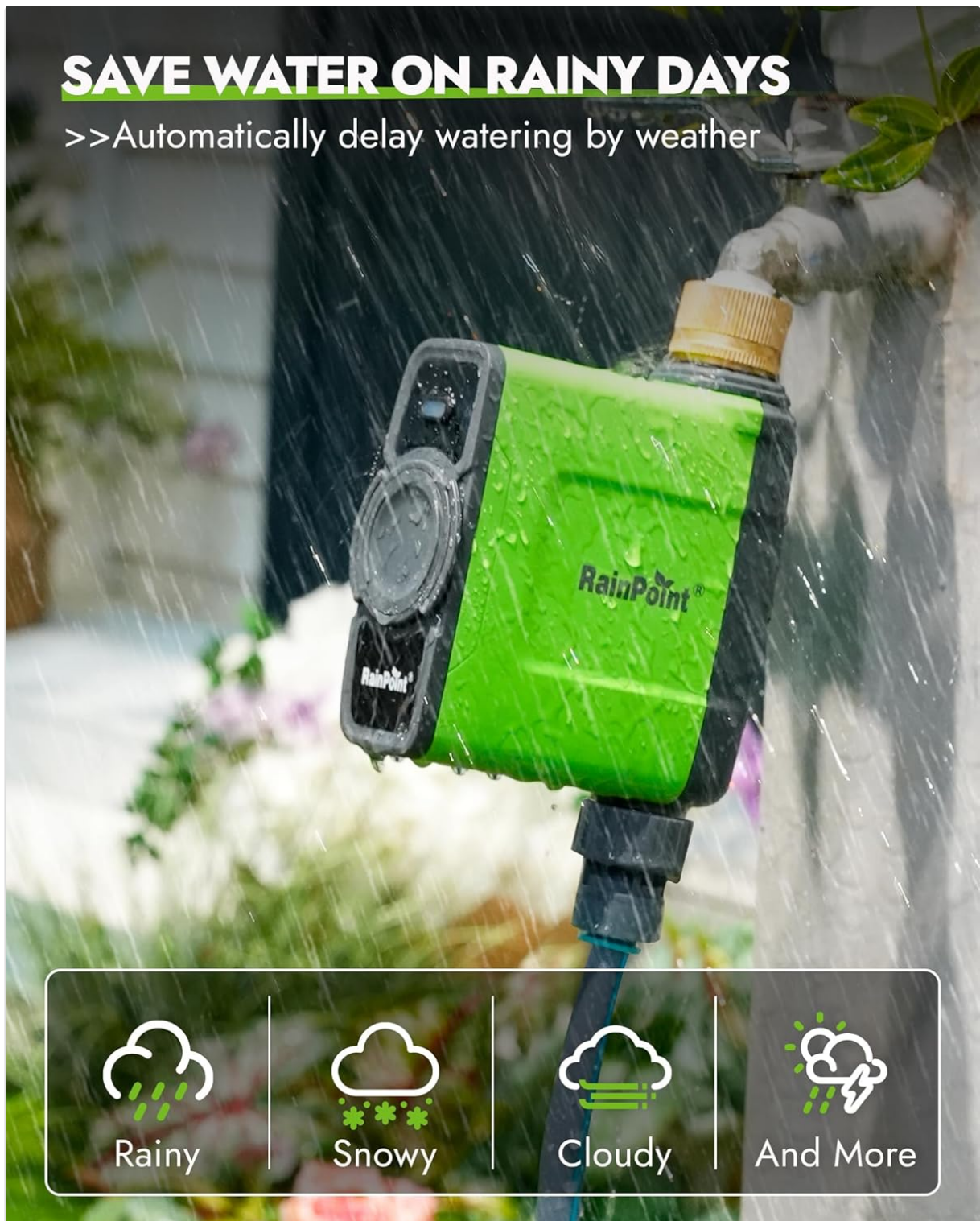


Image: The RAINPOINT Water Timer demonstrating its ability to save water by automatically delaying irrigation based on weather conditions like rain, snow, or clouds.

Flow Monitoring and Alarms

The smart water timer includes a built-in high-precision flow sensor:

- **Water Usage Tracking:** Records water consumption over the past 12 months, allowing for informed watering plan adjustments.
- **Real-Time Alarms:** Provides instant notifications for issues such as valve malfunction (cannot open or close) or if the device goes offline, ensuring prompt attention to potential problems.

MORE INTELLIGENT WATER TIMER

>>Built in flow meter

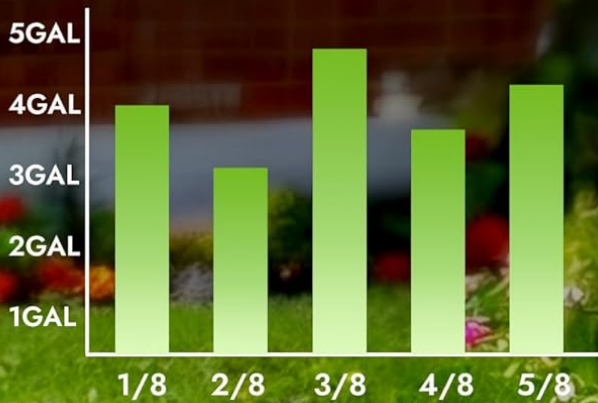


Image: The RAINPOINT Water Timer illustrating its built-in flow meter functionality, with a bar graph depicting water usage in gallons over various dates.

Manual Watering

You can initiate manual watering directly from the timer or through the app:

- **On-Device Manual Control:** Briefly water for a preset duration (e.g., 10 minutes) by pressing a button on the timer.
- **App Manual Control:** Use the app to start and stop watering, with durations ranging from 1 minute to 12 hours.

MANUAL WATERING WITH 2 WAYS



Image: A child watering plants, demonstrating the RAINPOINT Water Timer's two manual watering methods: a quick 10-minute option directly from the timer, or a customizable 1-minute to 12-hour option via the app.

MAINTENANCE

Battery Replacement

When the battery indicator in the app shows low power, replace the batteries promptly to ensure continuous operation. Open the battery compartment, remove old batteries, and insert new ones, observing correct polarity.

Filter Cleaning

Periodically inspect and clean the built-in filter located at the water inlet. Remove the timer from the faucet, detach the filter, rinse it under running water to remove any debris, and reinsert it before reattaching the timer.

Winterization

Before the first frost, disconnect the water timer from the faucet and hose. Remove the batteries. Store the timer indoors in a dry, frost-free location to prevent damage from freezing water.

TROUBLESHOOTING

- **Timer not connecting to app:** Ensure the gateway is powered on and connected to a 2.4GHz WiFi network. Verify the timer is within range of the gateway. Check battery levels in the timer.
- **No water flow:** Check if the faucet is fully open. Ensure the timer's valve is not stuck (check app for flow monitoring alarms). Clean the inlet filter for blockages. Verify battery power.
- **Leaking at connections:** Ensure all connections (faucet to timer, timer to hose) are tightened securely. Check for damaged washers or seals and replace if necessary.
- **Incorrect watering schedule:** Review your programmed schedules in the RAINPOINT app. Check if smart irrigation features (e.g., rain delay) are active and influencing the schedule.
- **Gateway offline:** Check the gateway's power supply and its connection to your home router. Restart both the gateway and your router if necessary.

SPECIFICATIONS

Brand	RAINPOINT
Model (Timer)	HTV145FRF
Model (Gateway)	HWG023
ASIN	B0F3D3N3CQ
Material	Plastic
Color	Green
Watering Settings	15 (various modes and frequencies)
Connectivity	2.4GHz WiFi (via Gateway)
Waterproof Rating	IP65

WARRANTY AND SUPPORT

Information regarding product warranty and customer support was not available in the provided data. Please refer to the official RAINPOINT website or contact their customer service directly for details on warranty coverage, technical assistance, and replacement parts.

For further assistance, please visit the [RAINPOINT Store on Amazon](#) or their official website.

