

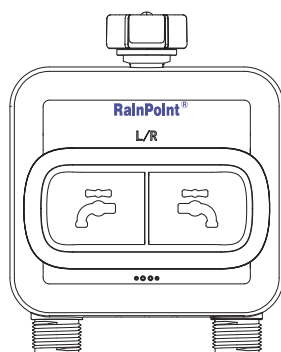


RainPoint®
More Than Water Saving

Smart⁺ Garden Irrigation System

USER MANUAL

2-Zone Water Timer



HTV213FRF

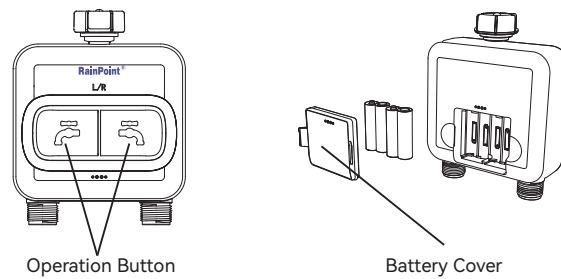
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1. INTRODUCTION

1.1 Product Overview



1.2 Specification

- 1" or 3/4" inlet thread and 3/4" outlet thread.
- Operating Water Pressure: 0.5~8 bar (7- 116 PSI).
- Flow Rate: 1.32~9.25GAL/Min(5 ~35 L/Min).
- 1 min ~ 12 hrs.
- Waterproof Level: IP54.
- Maximum 6 plans per zone.
- Working Temperature: 37°F~ 122°F(3°C~50°C).
- Up to 60m depending on obstacle between hub and timer.
- Powered by 4* AA batteries (Not included).

1.3 Product Features

- App remote controlled.
- Build-in flow meter with leaking alert function.
- Track water flow rate.
- Review water consumption data history on APP.
- 2 watering methods: Irrigation mode or Misting mode.
- Voice controlled via Google Assistant or Amazon Alexa.
- Automatically monitor the watering progress according to the soil temperature and humidity data after paired with soil sensor.
- Auto start or stop watering base on soil moisture level.
- Schedule watering plans by water usage.
- Multi-zone outlets to meet more watering needs.

2. CONNECTION AND INSTALLATION



Tips:

Please scan the QR code or search the link to access the video to connect the device quickly and easily.

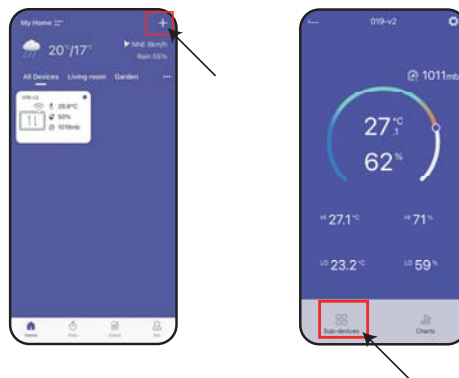
Set Video:

https://www.youtube.com/watch?v=sVYR_wdH5gw

2.1 Timer Connection

This device is a sub-device, please connect the hub of Rainpoint Smart+ series before connecting this device.

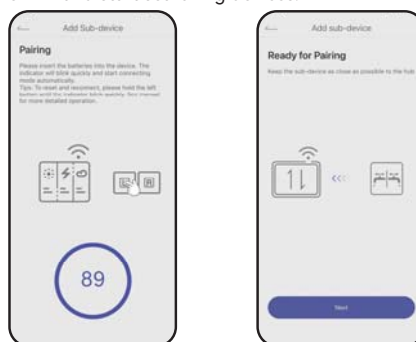
1. After the hub is successfully connected, select the  button on the top right corner of the APP home page to add device, or you can go to the hub's home page and use "Sub-devices" to add devices.



2. Find "2-ZONE Water Timer" or the icon  to add HTV213FRF 2-Zone Water Timer.



3. **Insert 4 AA 1.5V alkaline batteries** (not included). Then **press and hold the left button** of the timer until **the light flashes red quickly**. Meanwhile, select "Next" on the APP and start searching devices.

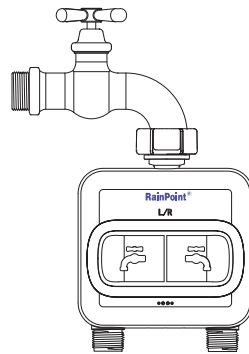


4. Keep the timer and the hub close to each other so they can connect automatically.
5. Besides that, you can also hold the left button to reset and reconnect if you fail to connect for the first time.
6. After successfully connecting, the last water usage value will display in the middle of the timer's screen. The next watering plan time will display as well after creating plans.



2.2 Timer Installation

Install the timer vertically on the tap.



NOTE:

1. Please try to install the timer vertically on the tap, not at an angle or horizontally.

3. APP FEATURES AND FUNCTIONS

3.1 Device Home Page

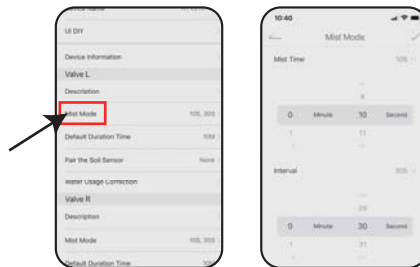


1. **Setting:** Basic settings for the water timer
2. **Left side valve & right side valve**
3. **Next Plan Time & Last Water usage**
4. **Soil temperature & moisture:** Show the data of the soil if you pair the timer with the soil sensor
5. **Plan:** To create and manage watering plans
6. **Statistics:** Check the water usage data in bar chart
7. **Irrigation Mode:** Manual watering in irrigation mode
8. **Mist Mode:** Manual watering in misting mode

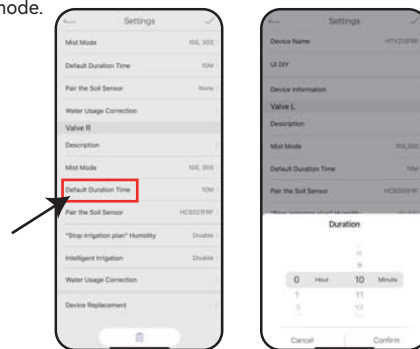
3.2 Basic Setting

Find the icon on the top right corner of the APP home page to "Settings" page. In the basic settings, you can check and manage the device information, such as name, interface and description. There are also some advanced settings you can Set up for the specific functions:

Mist Mode: Set the mist time and interval time for manual misting mode.



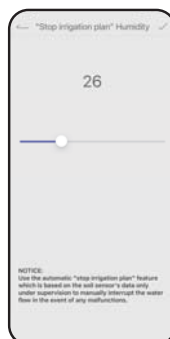
Default Duration Time: Set the default watering duration for manual irrigation mode.



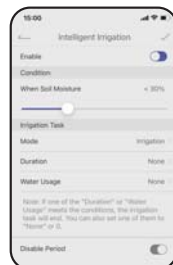
Pair the Soil Sensor: Pair with a soil sensor to display the data on the home page and activate the "Stop irrigation plan humidity" function.



"Stop irrigation plan humidity": Set a **"stop watering"** value of the soil moisture to protect the plants from over watering. All the plans will be stopped once the soil moisture gets over the value, and will go back to work when the moisture return below the value.



Intelligent Irrigation: This is the other feature after connecting with a soil sensor that uses soil moisture to start watering. After enabling this function, you can set a moisture level condition and a watering task which will run automatically once the condition is met. A disable period can also be set to temporarily off this function.

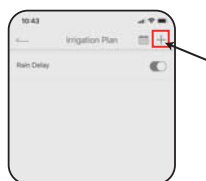


Water Usage Correction: Correct the error when your water usage collection is not accurate.



3.3 Plan Setting

Select **Plan**  and start to create a new auto-watering plan.

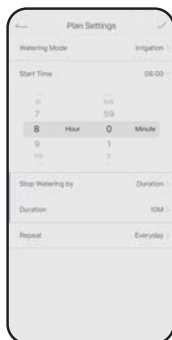


Set a watering mode first:

Press the icon  on the top right corner of the "Irrigation Plan" page to set irrigation plan.

Irrigation Mode: Normal watering mode with basic start time, duration and frequency.

Mist Mode: Special mist time and interval period that can intermittent quick watering.



Start Time: Set the time that the plan starts.

There are two way to stop watering: **Duration** or **Water Usage**

Duration: set a watering duration for irrigation plan.

Water Usage: set both a water consumption limit value and a limited time.

Stop Watering by	Duration >
Duration	10M >

Stop Watering by	Water Usage >
Water Usage	1gal >
Maximum Watering Time	50M >

Repeat: Set the watering frequency for your plans.

Plan Settings

Mode: Impulse

Start time: 12:00

Custom mode: Water Usage

Water Usage: 1L

Maximum work time: 5M

Repeat: Everyday

Everyday ☒

Odd Day ☐

Even Day ☐

Customize ☐

Cancel Confirm

After finish setting, press the top right button save your plan and you will see a plan overview appears in the list. Use the button on the right to turn on or off the plan. Up to **SIX** plans that can be created. plans that can be created.



There is also a **Plan Calendar** for checking the overview of all the plans' schedule.



3.4 Statistics

Select **Statistics** to review your daily or monthly water usage that go through this timer.



3.5 Manual Watering

3.5.1 Irrigation Manual Mode

Select **Irrigation** in the home page to manually turn on a temporary irrigation plan with a settable time.

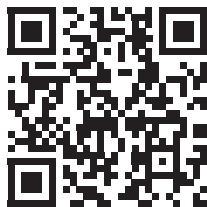
The screenshot shows the 'Manual Watering' screen. At the top, it says 'HTV213FHP'. Below that, there are two labels: 'Value L' and 'Value R'. In the center, there's a large circular timer with the text 'Last Water usage' and '0.0'. Below the timer, there's a section titled 'Duration' with a scrollable list of options: '0', '5', '10', '15', '20', '25', '30', '35', '40', '45', '50', '55', '60'. At the bottom, there are two buttons: 'Cancel' and 'Confirm'.

3.5.2 Mist Manual Mode

Select **Mist** in the home page to manually turn on a temporary misting plan with a settable time. It is able to change the mist time and interval time by press the time value.



Note: When you turn on manual watering, if there is a plan running now or there will be a plan starting during your manual water time, the schedule will be skipped for this time.



If you need more detail information about the operation, please scan the QR code or search the link to access the video to check the device quickly and easily.

Setup Video: <http://bit.ly/3jlUEBV>

4. TROUBLESHOOTING

Problem	Possible Factors	Solution may help
Can't turn on /off the valve	• Low battery. • Impurities in water inlet. • Unstable network or delayed response.	• Replace fresh batteries. • Regularly clean the filter port of impurities to avoid disruptions in use. • Wait a while and try again.
Inaccurate water flow meter	• Inaccurate statistics due to tilted mounting angle. • Low or erratic water pressure from the tap.	• The water timer needs to be installed perpendicular to the ground and it is recommended that it is not installed at an angle to avoid affecting the water count. • Normal error values for water counts $\pm 5\%$.
Timer can't connect	• Long distance from the hub Timer not in pairing state.	• Close to hubs and routers when connected to irrigation timers. • Re-pair the timer: Press and hold the timer button until the white light flashes rapidly to indicate pairing. (Or remove the device from the homepage and reconnect).

Problem	Possible Factors	Solution may help
Hub can't connect	Distance between sensor and hub is too far.	- Confirm that the password has been entered correctly. - Stay closer to the hub while connecting.
Timer can't connect	- Impurities in water inlet filter. - Rainfall delay parameters are set. - In a low power state, the timer goes into a low power protection state and does not execute the schedule. Irrigation duration/period is not set with parameters.	- Inlet impurities need to be cleared regularly so that they do not clog up and interfere with the irrigation program. - Check that the rainfall delay parameter is set. - Replace fresh batteries. Check that the irrigation duration/period is not set with parameters. (Note 12H/24H).
If you need more help about the product or anything from us, please contact us by US: 1-833-381-5659 (EN)(MON-FRI 9:30 AM-5:30 PM PST) EU: +44 800-808-5337 (EN DE)(MON-FRI 9:00 AM-5:00 PM CET) Email: service@rainpointonline.com		

5. NOTES

- Do not mix old and new batteries or different types of batteries.
- Please install the timer vertically to avoid valve body damaged and inaccurate water flow meter.
- Under freezing temperatures, timers should be removed from the faucet and stored indoor to avoid potential freezing damage.
- Please clean filters regularly and replace if it is worn in order to prolong working life of timer.
-

6. WARRANTY

RAINPOINT provides a 3-year limited warranty on this product against manufacturing defects in materials and workmanship.

7. FCC STATEMENT: (FCC ID:2AWDBHTV213FRF)

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Warning: Any changes or modifications not expressly approved by the party responsible for

compliance could void the user's authority to operate this equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

8. CUSTOMER SUPPORT

If you find it difficult to set up and want to watch the setting tutorial video, please subscribe to our channel RainPoint on YouTube.



Or scan the QR code to visit the RainPoint channel on YouTube quickly.

If the app and the user manual don't have what you're looking for, and need some help about Rainpoint, please contact us by

LOT NO.: XXXXX (on the back of the device)

US Free Hotline(English): +1 833-381-5659

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Made in China



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