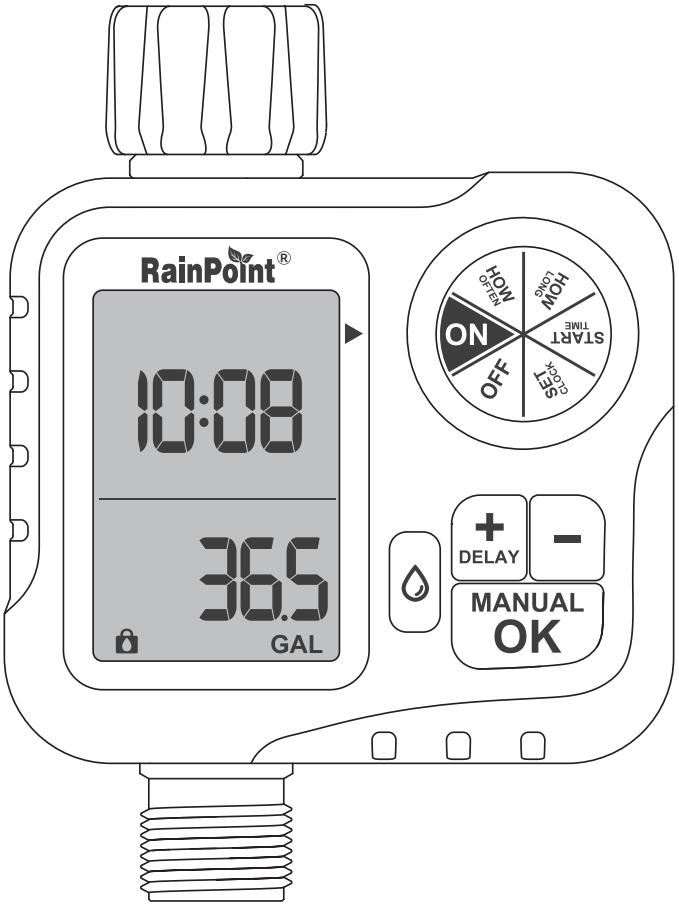
RainPoint®
More Than Water Saving

USER MANUAL

1-Zone Digital Hose Timer

Model No. ITV117-DLS



Save the user manual for future reference. If you have any questions, please contact us to get support.

Warm Tips

Please read before use:

Don’t use the water timer when the temperature is below 37°F (3°C), and please store the timer indoors to avoid potential freezing damage.

The filter traps dirt particles, preventing them from entering the timer and causing clogging. Please clean the filter regularly and replace it if worn.

To ensure a longer lifespan, please use 2 new AA alkaline batteries (not included). Don’t mix new and old alkaline, standard (carbon-zinc), or rechargeable batteries.

Please activate the water timer before first use or after a period of inactivity (Refer to page 6: ACTIVATE THE TIMER BEFORE USE).

Only use with clean cold water.

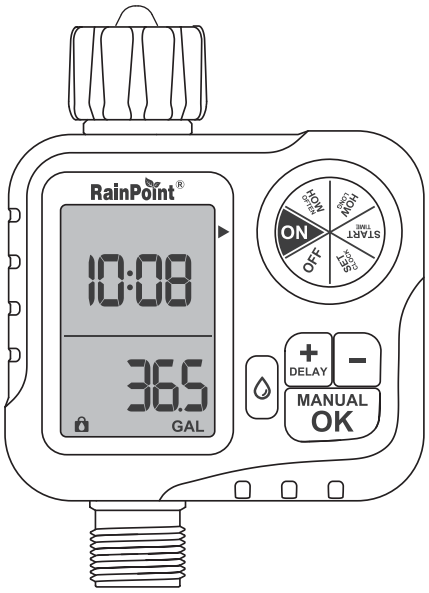
If you encounter any problems during use, please contact our support:

Web: www.rainpointonline.com
Email: support@rainpointonline.com

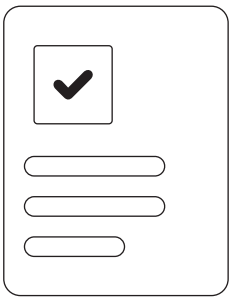
Contents

1. Contents in the box **01**
2. Introduction **02**
2.1 Product Overview **02**
2.2 Specification **03**
2.3 Product Features **03**
3. Timer Programming **04**
3.1 Product Installation **04**
3.1.1 Installing The Batteries **04**
3.1.2 Installing The Timer **05**
3.1.3 Activate The Timer Before Use **07**
3.2 Programming Your Timer **08**
3.3 Additional Functions **15**
3.4 Cleaning Your Timer **21**
4. Troubleshooting **22**
5. Precautions **23**
6. Warranty Policy **24**
7. Customer Support **24**

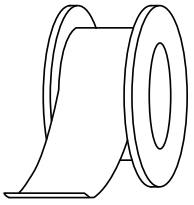
1. Contents in the box



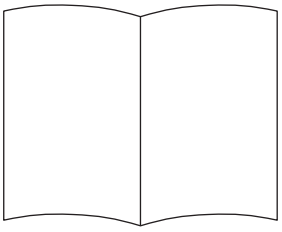
1



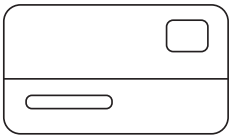
3



4



2

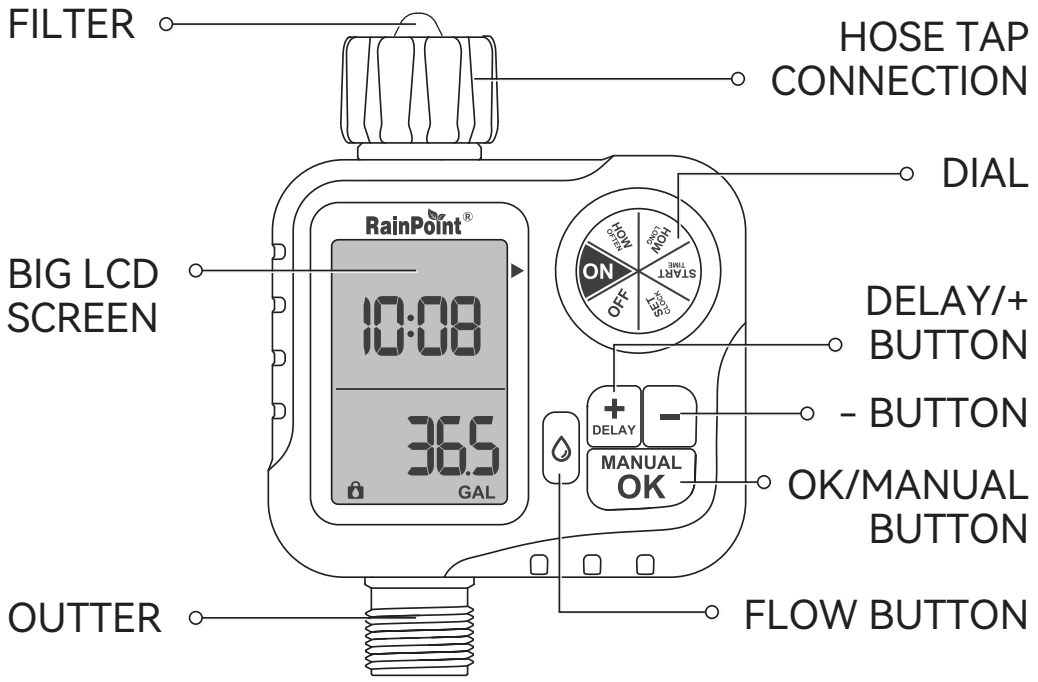


5

1. ITV117-DLS 1-Zone Digital Hose Timer
2. User Manual
3. Quick Guide
4. Sealing Tap
5. Warranty Card

2. Introduction

2.1 Product Overview



- **DIAL:** Rotate the dial to customize your watering schedule.
- **OK/MANUAL BUTTON:** Use the "OK" button to confirm the time; When the dial is turned to "ON", press and hold down "MANUAL" to enter the manual watering Settings.
- **DELAY /+ BUTTON:** Use the "+" button to adjust the time; When the dial is turned to "ON", hold down "DELAY" to activate the rainy day delay.
- **- BUTTON:** Use the "-" button to adjust the time.
- **FLOW BUTTON:** Short press switch flow meter display function; Press and hold to switch units in LAST mode; Press and hold in TOTAL mode to clear data.

2.2 Specification

Working Water Pressure	0.5 bar to 8 bar (7.25-116.03 PSI)
Watering Frequency	12h or 1-7 day
Flowmeter measuring range	0-9999L (0-2641Gal)
Max Flow Rate	22L/Min (5.8Gal/Min)
Power By	2*AA Alkaline Battery (Not included)
Rain Delay	00/24/48/72h
Water Inlet	NH (US) for 3/4" taps BSP (EU) 3/4"or 1" taps
Water Outlet	For 3/4" standard garden hose

2.3 Product Features

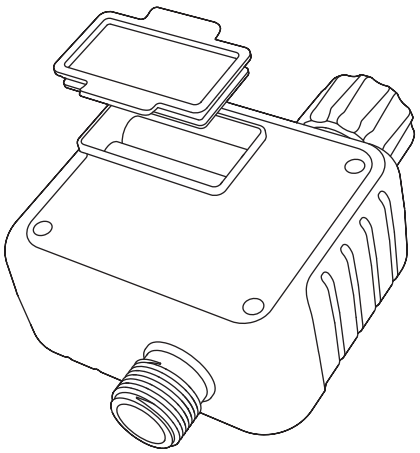
- Low Power Alert.
- Rain Delay Function.
- Next irrigation plan reminder.
- Easy to turn off all plans.
- Setting the upper limit for saving water function.
- Water calibration function.
- L/Gal water unit switchable.

3. Timer Programming

3.1 Product Installation

3.1.1 Installing The Batteries

Install the battery on the timer and you will see the screen light up:

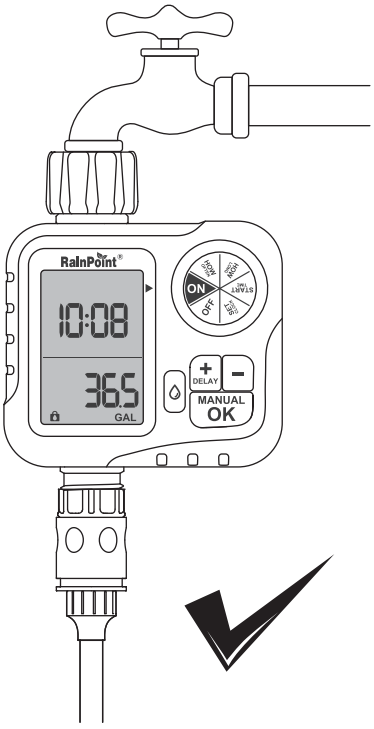


1. Open the battery compartment cover on the back of the timer.
2. Insert 2 new AA (1.5V) alkaline batteries (not included).
3. Put the battery compartment cover on and press firmly to ensure it is completely sealed.

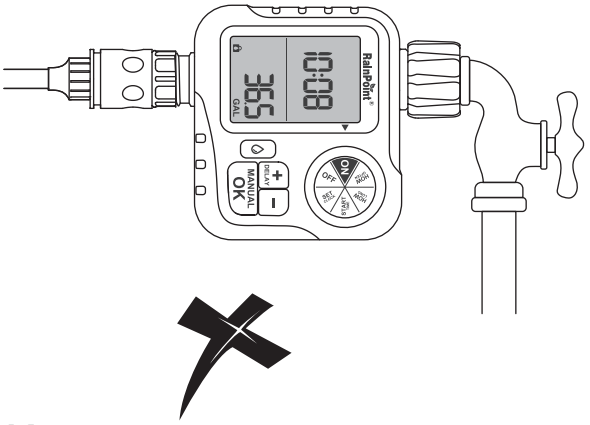
Note:

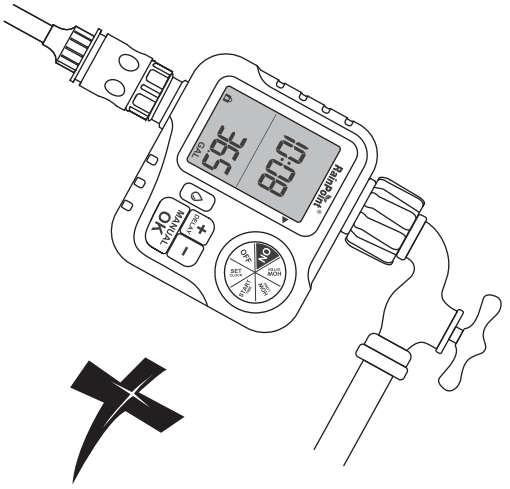
- After installing the battery, securely install the battery cover to ensure water resistance.
- If the timer is not used for a long time, take out the battery and dispose of it properly.
- Replace the battery when the low battery indicator appears on the display. After you done it, please remember to reset your watering plan.
- Don’t dispose of batteries in fire. Batteries may explode or leak.
- To ensure a longer service life, use 2 new AA alkaline batteries (not included). Do not mix old and new alkaline batteries, standard batteries (carbon-zinc batteries) or rechargeable batteries.

3.1.2 Installing The Timer



1. Turn off the garden tap.
2. Wrap teflon tape around the faucet wire.
3. Screw the timer on the garden faucet so that the display is as perpendicular to the ground as possible to prevent rainwater from accumulating and leaking indoors.
4. Wrap teflon tape with thread from timer outlet.
5. Screw the garden hose to the timer outlet.
6. Program the timer and turn on the faucet.

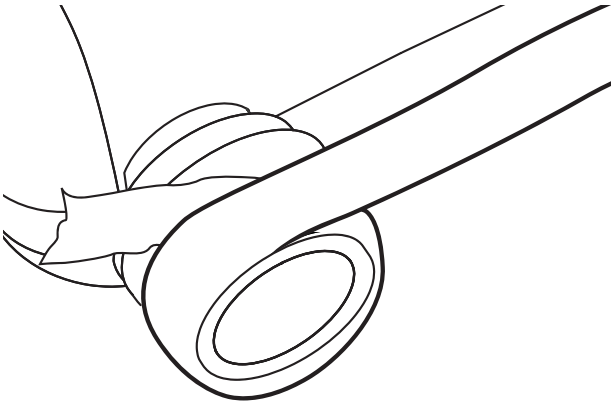




Note:

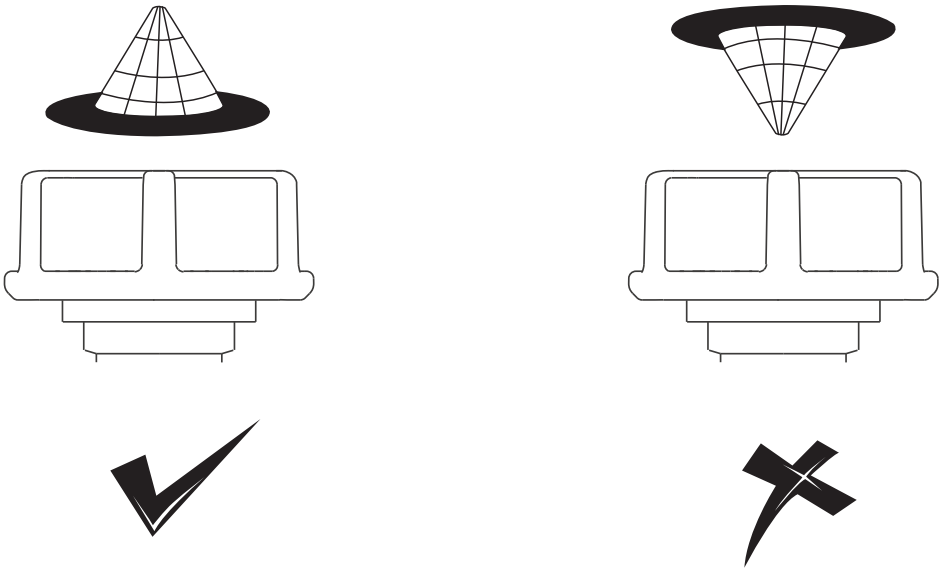
- Try mounting the timer vertically on the faucet, rather than at an Angle or horizontally.
- Wrap the thread tape and align it with the thread to avoid leakage; If the faucet thread does not tighten to the bottom of the timer inlet, add a rubber washer.

Tips: If the connection between the timer and the faucet or hose is not tight or leaking, wrap more Sealing Tap (thread seal tape) to make them tight.



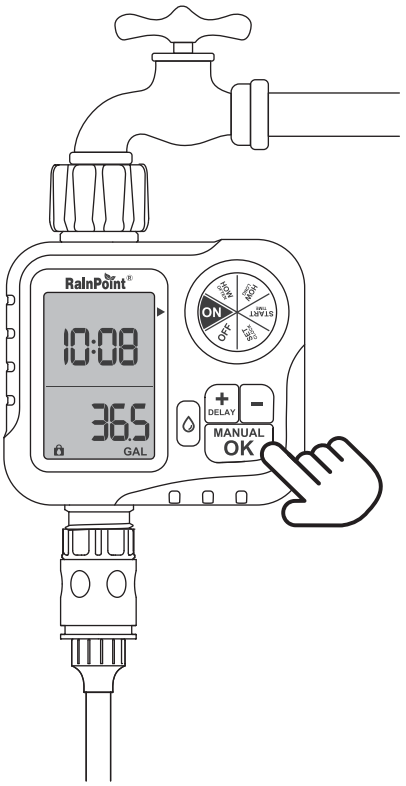
Note:

- Please do not use tools, only install the timer by hand.
- When expecting freezing temperatures, timers should be removed from the hose faucet and stored indoors to avoid potential freeze damage.
- Please install the filter properly and keep it clean as follows.



3.1.3 Activate The Timer Before Use

Please activate the device before using it for the first time or after a period of inactivity.



1. Keep the garden tap turned off.
2. Turn the timer dial to **"ON"**.
3. Press and hold the **"MANUAL"** button for 3-5 seconds to enter manual watering mode.
4. When the screen flashes, press the **"OK"** button to start watering manually.
5. After hearing a **"click"** sound or waiting for about 5 seconds, the valve in the timer opens, and then change the dial to **"OFF"** to close the valve.
6. Repeat steps 2-5, 3-5 times.
7. **Test:** Turn on the faucet slightly, then repeat steps 2-5 to check if the water is expected to flow out or turn off.

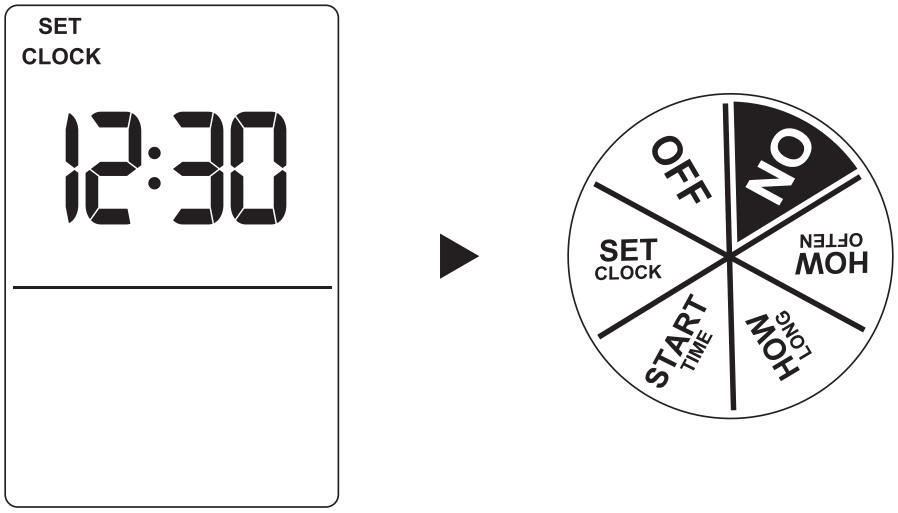
Congratulations!
You have connected and installed the timer.

If the timer valve is normal, please feel free to use it!
If something goes wrong, repeat the above steps several times or contact after-sales service immediately.

Note: When testing, please stay away from the water timer outlet to avoid splashing and moisture.

3.2 Programming Your Timer

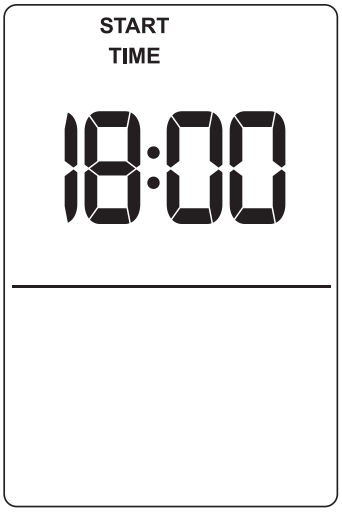
STEP 1: SET CLOCK

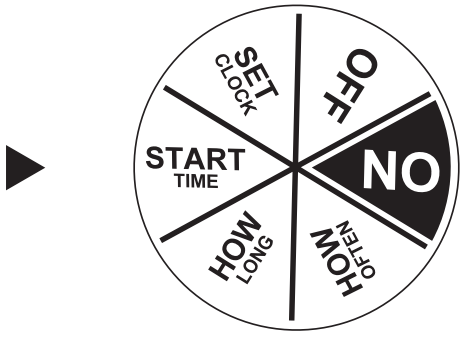


1. Turn the dial to **"SET CLOCK"**.
2. Use the **"+" or "-"** button to adjust the time.
3. Use the **"OK"** button to switch hours to minutes and confirm your settings.
4. The default is 24-hour format. During any setting in this mode (including after confirmation), press and hold **"OK"** to switch to 12/24-hour format.
5. Turn the dial clockwise to save the changes in this step and proceed to the next step.

NOTE: When the hours and minutes no longer flash, press the **"+" or "-"** button again, the hours start flashing, and the time can be reset.

STEP 2: START TIME

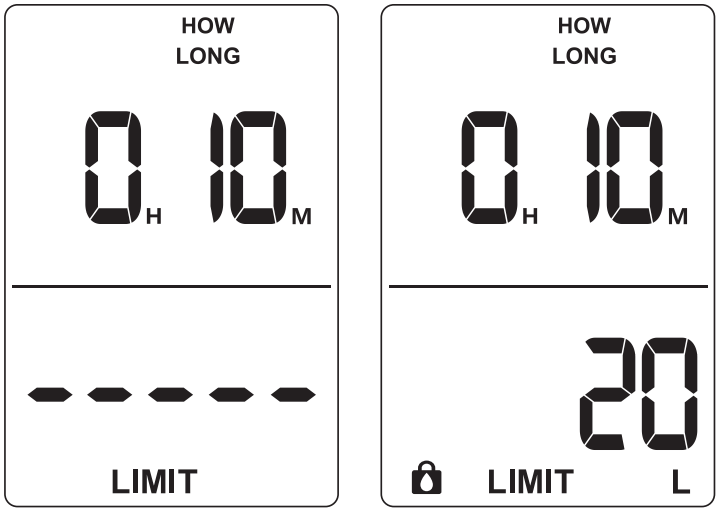


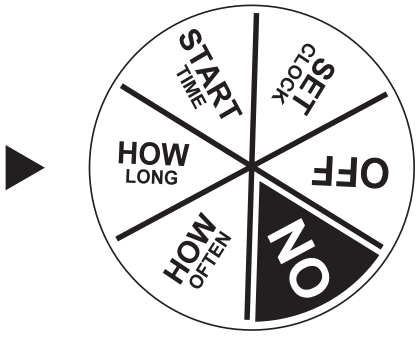


1. Turn dial to **"START TIME"**.
2. Use the **"+"** and **"-"** buttons to set the time you want to start watering.
3. Use the **"OK"** button to switch hours to minutes and confirm your settings.
4. Turn the dial clockwise to save the changes in this step and proceed to the next step.

NOTE: When the hours and minutes no longer flash, press the **"+" or "-"** button again, the hours start flashing, and the start time can be set again.

STEP 3: HOW LONG



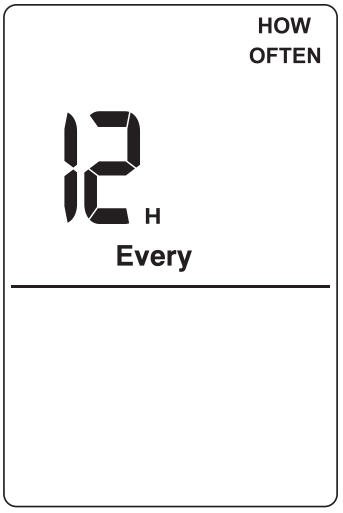


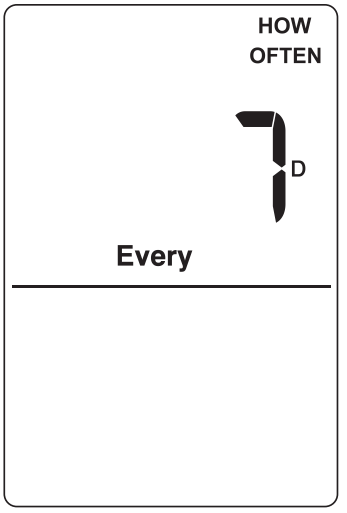
1. Turn dial to **"HOW LONG"**.
2. Use the **"+"** and **"-"** buttons to select watering time from 0 minutes to 3 hours and 59 minutes, flow rate from 0 liters to 9999 liters (0 gallons to 2639 gallons).
3. Use the **"OK"** button to switch hours to minutes and then to flow rate limits, and confirm your settings.
4. Turn the dial clockwise to save the changes in this step and go to the next step.

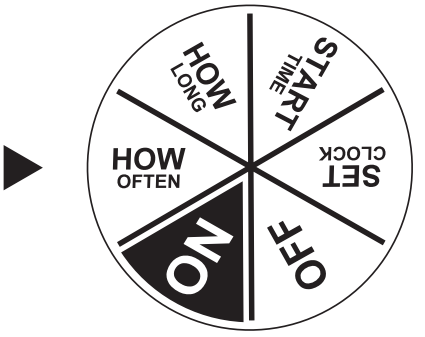
Note:

- When the hours, minutes and flow limit are no longer flashing, press the **"+" or "-"** button again, the hour will start flashing, and the duration and flow limit can be reset.
- The unit cannot be switched when setting the flow rate, and the flow button cannot be used during setting. After setting the flow rate limit, the flow rate limit icon will always be displayed.

STEP 4: HOW OFTEN



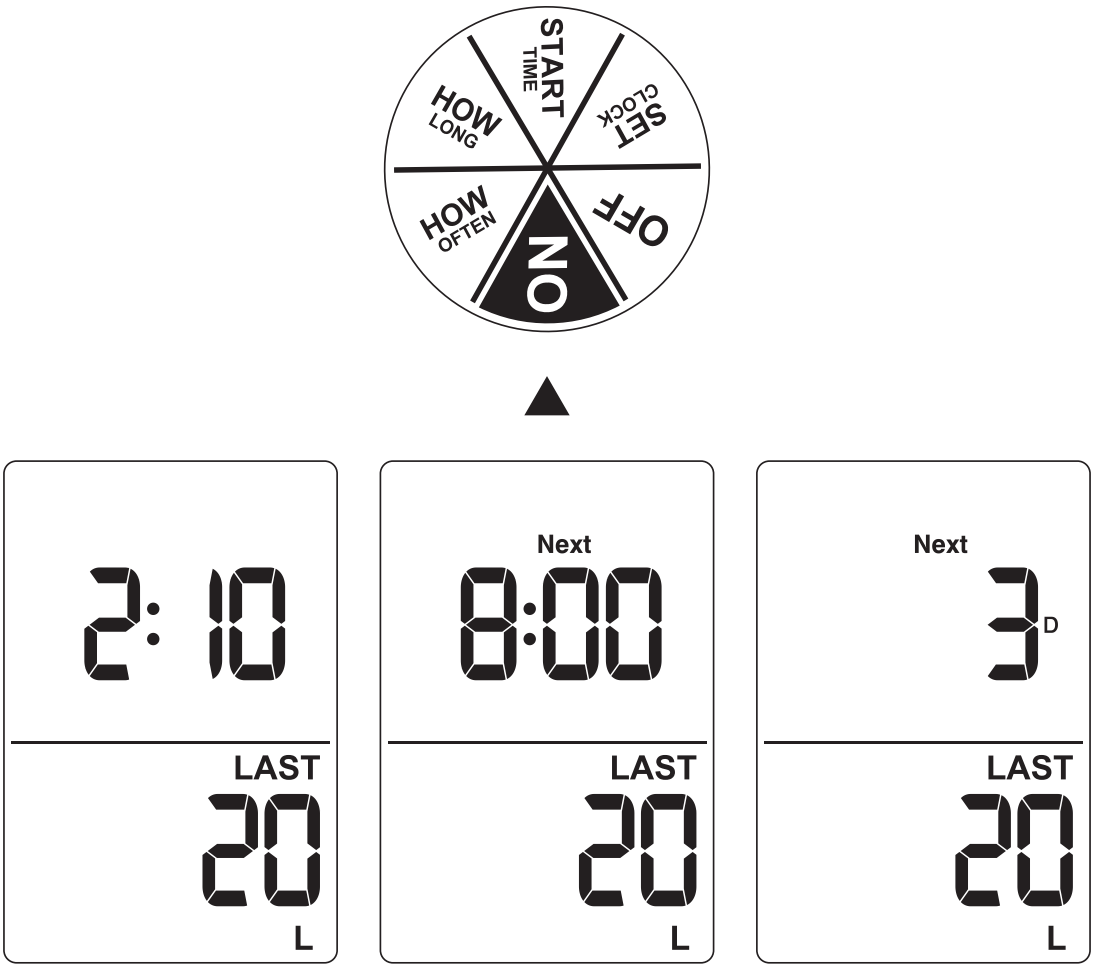




1. Turn the dial to **"HOW OFTEN"**.
2. Use the **"+"** and **"-"** buttons to set your watering frequency. You can choose every 12 hours, 1 day, 2 days……7 days, and press the **"OK"** button to confirm your settings.
3. Turn the dial clockwise to save the changes in this step and go to the next step.

NOTE: When the time no longer flashes, press the **"+" or "-"** button again, the time will start flashing again, and the frequency can be reset.

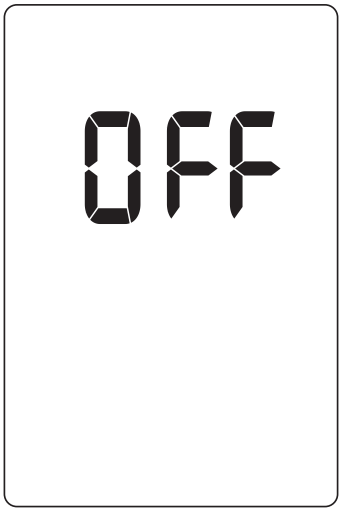
STEP 5: AUTOMATIC WATERING



1. Turn the dial to **"ON"**。
2. The LCD screen will display the current time, the next start watering time, and the amount of water used for the last irrigation.The number of days is shown if the time between the next plan is more than one day, and if less than one day, the next start watering time will show on the screen.

NOTE: Any rotation of the knob or a long press of the **"OK"** button will cancel this watering and close the valve, and the plan will be re-start based on that day. For example: If you set the watering plan for every 3 days on Monday, but next day you turn the knob to any position and then turn it back to **"ON"** without changing the plan, the watering plan will restart from the next day. That is, start watering every 3 days from the second day.

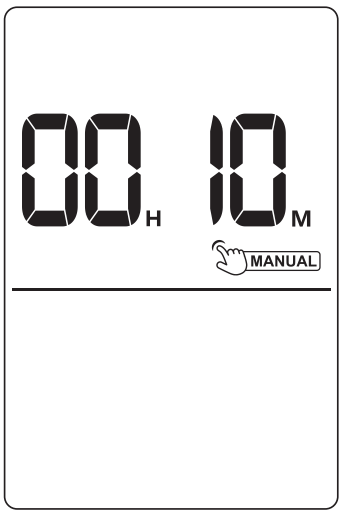
STEP 6: OFF



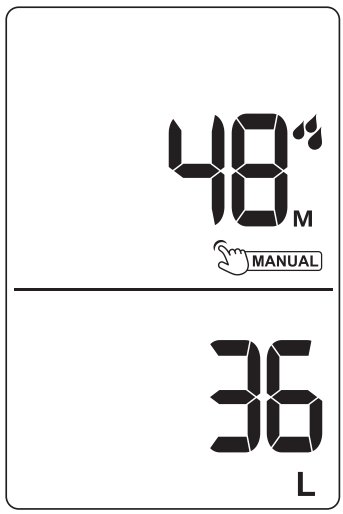
1. If you want to stop the watering plan for a long time, turn the dial to **"OFF"**. (Your settings have been saved)
2. In OFF mode, the water timer will not water automatically. (The screen will display the word OFF in large letters)
3. To start watering automatically again, turn the dial back to **"ON"** to resume your programmed watering schedule.

3.3 Additional Functions

WATER MANUAL



Set up
manual watering



Perform
manual watering

Using the manual watering function will not interrupt your watering plan. To use this function, follow these steps:

1. Turn the dial to **"ON"**.
2. Press and hold the **"MANUAL"** button for 3-5 seconds to enter manual watering mode.
3. Press the **"+" or "-"** button to adjust the manual watering time from 0 minutes to 7 hours and 59 minutes. (Default manual watering time is 10 minutes)
4. After setting the watering time, press the **"OK"** button or if there is no operation within 5 seconds, manual watering will start by default. The manual icon, water consumption, and manual watering time countdown will be displayed on the screen.
5. If you need to stop manual watering, please press and hold the **"MANUAL"** button for 3-5 seconds or turn the knob to OFF to exit the manual watering mode and restart the original watering plan.

RAIN DELAY

Set up
manual watering

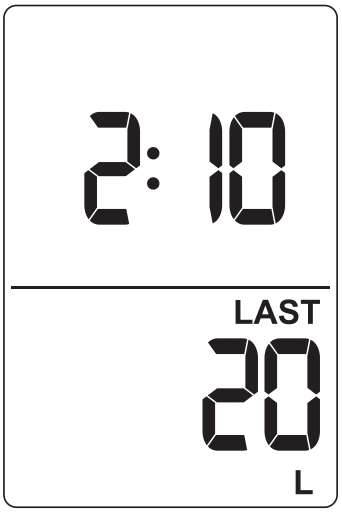
Perform
manual watering

The rain delay function allows you to delay the watering time without stop your watering plan. To enter rain delay function, follow these steps:

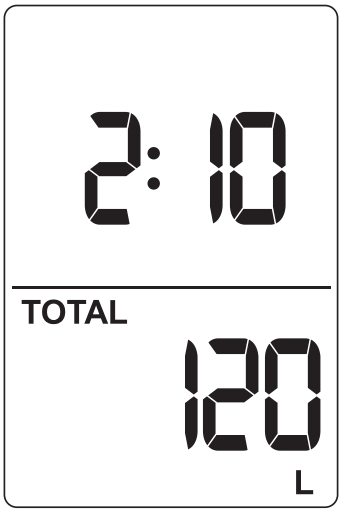
1. When the dial is on **"ON"**, press the **"DELAY"** button for 3-5 seconds to start the rain delay function.
2. There will be a delay time on the screen, the default is **"24H"**. You can press the **"+" or "-"** to select the delay time starting from 24H, 48H, 72H, 00H. (At 00 H, the rain delay plan will not be started)
3. After selecting the delay time, press the **"OK"** button to run the delay function or if there is no operation within 5 seconds, the delay plan will start by default, and all watering plans will be skipped during this period.
4. To cancel the rain delay, press and hold the **"DELAY"** button again for 3-5 seconds to resume your watering plan.

NOTE: During the rainy day delay period, there is no response when the knob is turned to any position or any button is pressed. OFF is displayed only when turned to **"OFF"**.

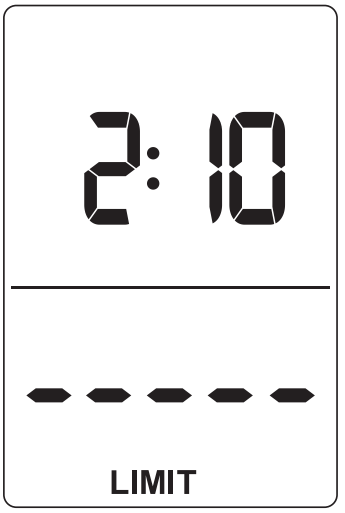
FLOW METER FUNCTION



Last flow

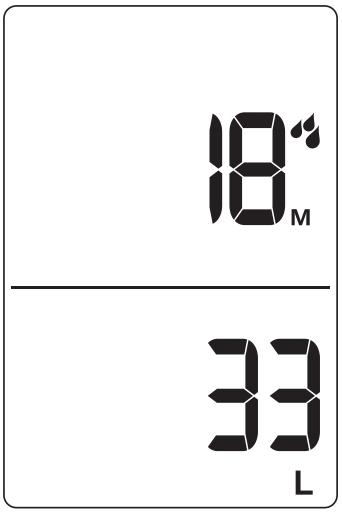


Total flow

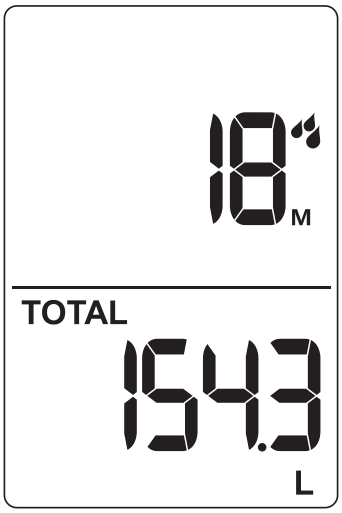


Flow limit

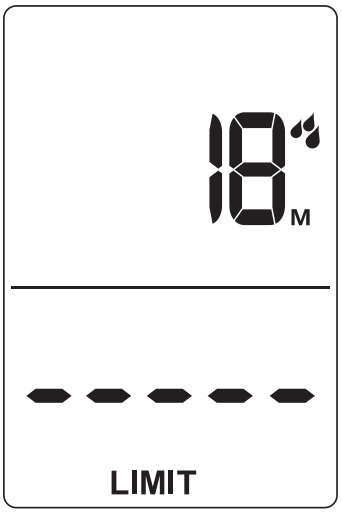
1. The flow meter functional area displays three functions: last flow, total flow, and flow limit.
2. When the water timer does not open the valve, that is, the flow meter does not work, the flow function area will always display the last water consumption by default.
3. When the flow button is pressed, the display content can be switched, and the LCD displays in sequence:
   LAST FLOW → TOTAL FLOW → FLOW LIMIT →
   LAST FLOW……
4. In **"LAST"** mode, press and hold the flow button to switch between L/GAL units.



Last flow



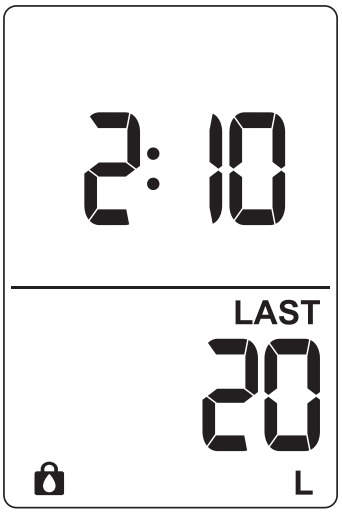
Total flow

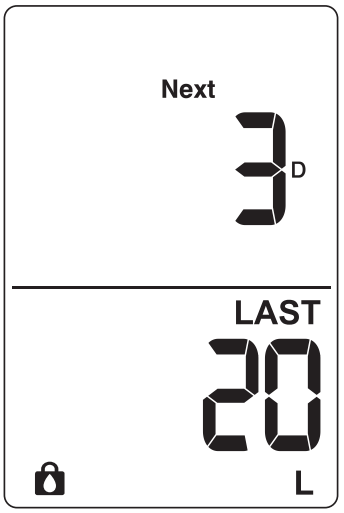


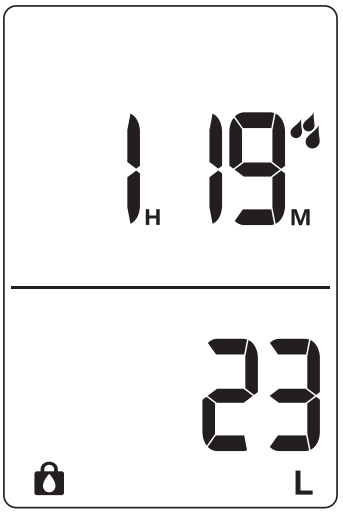
Flow limit

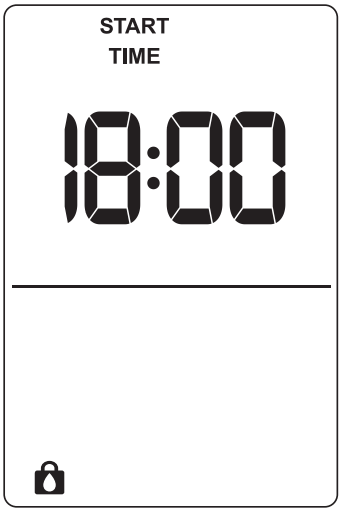
Remark: When the plan or manual watering is being run, the water consumption will be displayed in the flow display area. Click the flow button to switch the display.

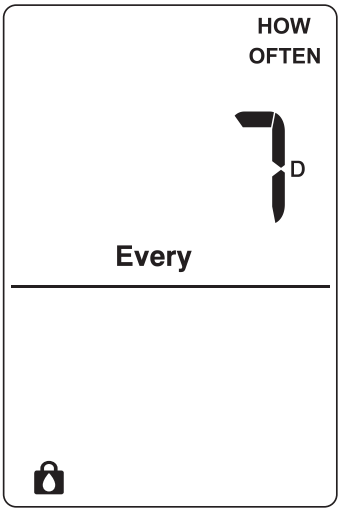
Note: Switching does not affect the normal counting of current water consumption by the flow meter.











Note:

- When the user start the flow limit function, that is, after the setting is completed, the flow limit icon will light up.
- Except for the rain delay, manual watering, flow calibration and shutdown icons that are not displayed, all other situations will be displayed, including when entering the plan settings again.

BATTERY STATUS

Battery status will be displayed as following:

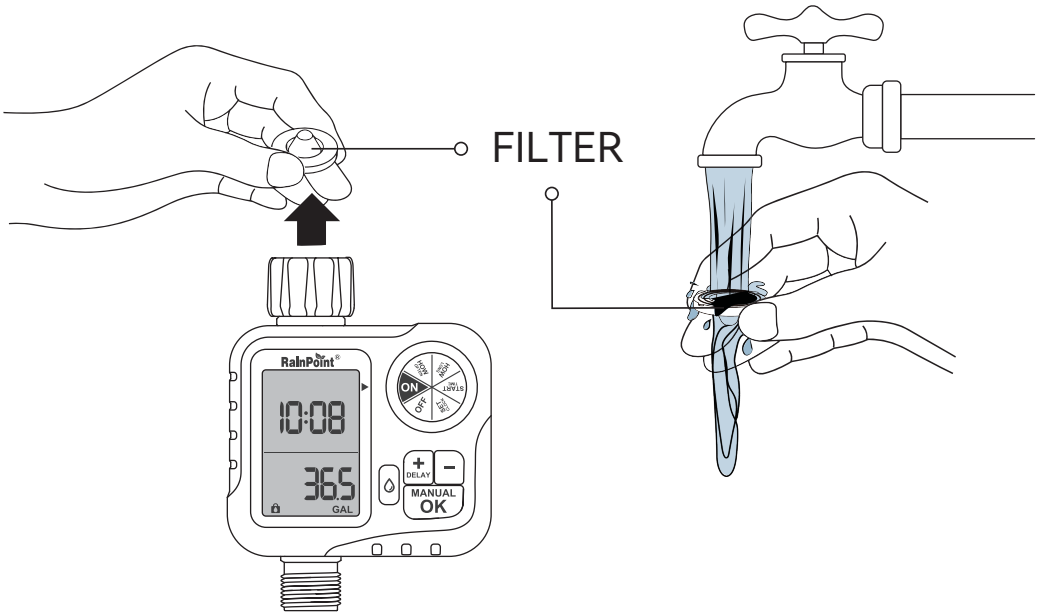
Low Power

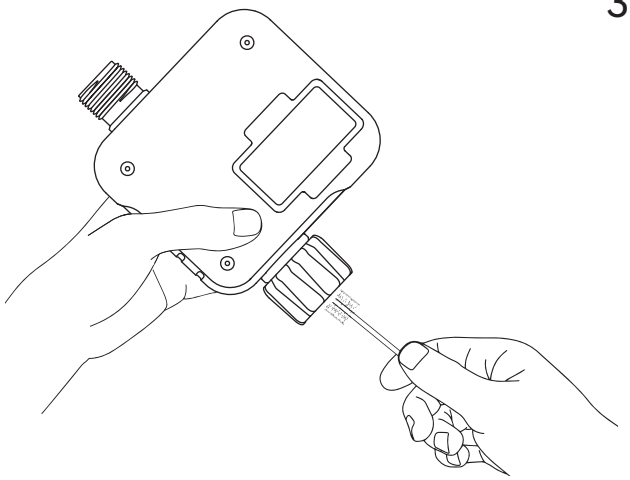
Note: When the low battery indicator appears, the valve will close automatically to avoid leakage. Please replace the battery to recovery.

3.4 Cleaning Your Timer

After a period of use, impurities or dirt in the water may accumulate in the timer. Therefore, the timer should be cleaned regularly to ensure its proper operation. Please follow these steps to clean the timer.

1. Turn off the garden faucet and remove the timer. Check whether the filter at the timer water inlet has accumulated impurities.
2. If the filter is dirty, please take it out of the timer and rinse it with runningwater.





3. Turn on the Manual Watering Mode of the timer to open the valve and check whether the water pipe of the timer is blocked. If it is blocked, please clean it gently with a small cleaning brush.

4. Troubleshooting

Problem	Possible Cause	Possible Solution
The water inlet leakage	• No Filter or not placed horizontally. • The faucet is not the standard 3/4".	• Add a filter and make sure it's a placed horizontally in the inlet. • Make sure the faucet is a standard 3/4" faucet. • Wrap Teflon tape on the tap making it tight.
The water won't stop/ flow out	• Long time in storage and transportation make the valve inactive. • Valve blockage.	• Keep the tap turned off and turn the timer dial to ON. • Run the manual watering for 5-7s and stop it. • Repeat the Steps 2 for 3 to 5 times. • Try using it normally.
Short battery life	• Mixed use of old and new batteries. • Use the carbon batteries or rechargeable batteries.	• Use new alkaline batteries. • Rechargeable batteries and carbon batteries have a short life, use the alkaline batteries instead of them.

Problem	Possible Cause	Possible Solution
Low water pressure	• Filter blockage. • Inlet pressure not sufficient to support watering needs.	• Check if the filter is clogged, if so, clean or replace the filter. • Make sure the timer is installed properly and not cross-threaded. • Installation of a booster pump or other auxiliary equipment of increasing pressure.
LCD screen does not display	• 1.The battery is exhausted. • The display is exposed to direct sunlight.	• Replace new 2*AA alkaline batteries and installed correctly. • Avoid direct sunlight, and observe if the battery is too low.

5. Precautions

1. Do not mix old and new batteries or batteries of different types.
2. Avoid using the water timer in temperature higher than 122°F (50℃) or less than 37.4°F (3℃).
3. The mesh filter prevents dirt particles. In order to extend the service life of the hose timer, please clean the filter regularly and replace it if it is worn.

6. Warranty Policy

RainPoint provide a 1-year limited warranty against manufacturing defects in materials and workmanship.
During the warranty period, well replace free of charge the product found to be defective under reasonable use and service as determined solely by RainPoint.
To place a warranty request, please email us with your order ID at support@rainpointonline.com and we'll respond within 24 hours.

7. Customer Support

Still have trouble with setup, please search for "RainPoint" on YouTube for installation videos!
If the user manual doesn't have what you re looking for or you need other help, please contact us before returning the product to the store and let us know the LOT NO. of your device.
LOT NO.: XXXXXX (on the back of the timer)

Made in China

AA AA

Not included

FR
BARQUETTE + ÉTUI
BAC DE TRI

FR
Cet appareil se recycle
À DÉPOSER EN MAGASIN
OU
À DÉPOSER EN DÉCHÈTERIE

Points de collecte sur www.quefairedemesdechets.fr
Privilégiez la réparation ou le don de votre appareil !

Need Help ?

Scan the QR code for more help.

or Email:

support@rainpointonline.com

6. Warranty Policy

RainPoint provides a 1-year limited warranty on this product against manufacturing defects in materials and workmanship. You can get an extra two years of extended warranty by registering your product on our website www.rainpointonline.com.