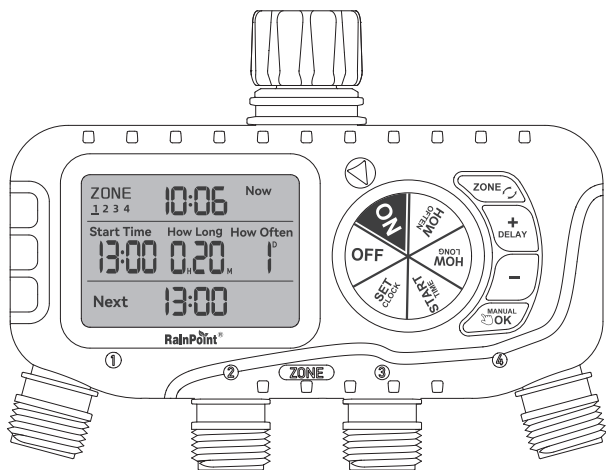


USER MANUAL

4-Zone Water Timer

Model No. ITV447



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 37.4°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 4 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 09: 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

US toll free: +1 833-381-5659 (Mon-Fri: 9:30 AM-5:30 PM PST)

DE toll free: +49 800-182-0576 (Mon-Fri: 9:00 AM-5:00 PM CET)

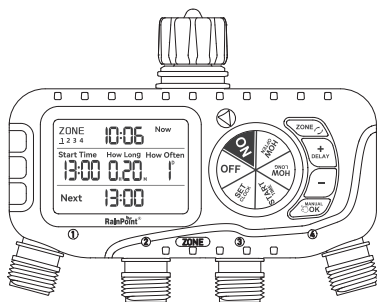
UK toll free: +44 20-4628-3036 (Mon-Fri: 9:00 AM-5:00 PM CET)

Email: service@rainpointonline.com

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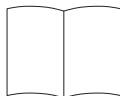
1. Contents in the box



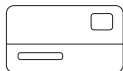
①



②



③



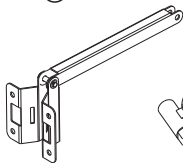
④



⑤



⑥



⑦



⑧



⑨



⑩

① ITV447 4-Zone Water Timer

② Spare Rubber Washer

③ User Manual

④ Warranty Card

⑤ Quick Guide

⑥ Nut

⑦ Brace

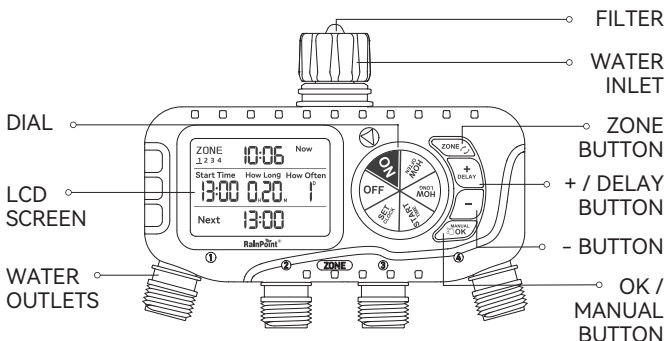
⑧ Clamp components

⑨ Expansion bolts and Screws

⑩ Middle Screw

2. Introduction

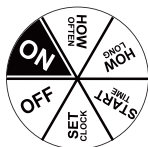
2.1 Product Overview



2.2 Specification

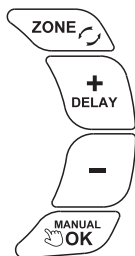
- **Inlet Thread:** NH (US) for 3/4" faucet, BSP (EU) for 3/4" or 1" faucet
- **Working Temperature:** 3–50 °C (37.4–122 °F)
- **Working Water Pressure:** 0.5–8 bar (7.25–116 psi)
- **Time Format:** 12H/24H
- **Rain Delay:** 24/48/72H
- **Water Frequency:** 1–12 H, 1–7 Day
- **Water Duration:** 1 min–4 H
- **Manual Watering Time:** 1 min–8 H
- **Powered By:** 4*AA Alkaline batteries (not included)
- **Waterproof Level:** IP65

2.3 Button Function Introduction



DIAL FUNCTIONS

DIAL	Turn the dial to set the watering plans and save the settings
ON	Run the timer as scheduled
OFF	Turn off the timer
SET CLOCK	Choose 12H/24H time format and set current time
START TIME	Set the time to start watering
HOW LONG	Set the duration of watering plan
HOW OFTEN	Set the frequency of watering plan



BUTTON FUNCTIONS

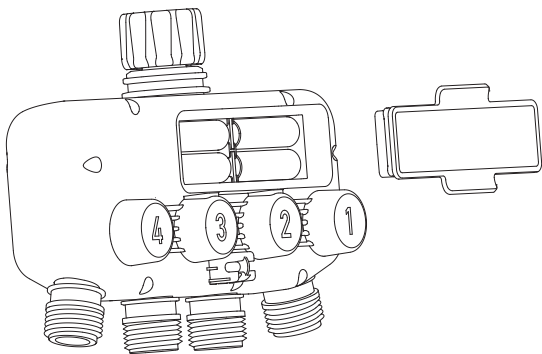
ZONE BUTTON	Switch watering zone when setup
+ / DEAYL BUTTON	Adjust settings, choose rain delay time
- BUTTON	Adjust settings, choose rain delay time
OK / MANUAL BUTTON	Confirm settings or water manually

3. Timer Programming

3.1 Product Installation

3.1.1 Installing The Batteries

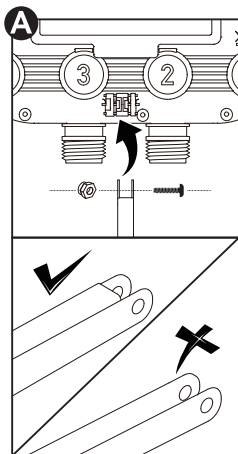
1. Remove the battery cover on the back of the timer.
2. Insert 4 new AA (1.5V) alkaline batteries (not included).
3. Reattach the battery cover to the timer and press firmly to ensure a complete seal.



Note:

- When the timer is not used for a long time, please remove the batteries and dispose of them properly.
- Replace batteries when the low battery indicator displays.
- Don't dispose of batteries in fire. Batteries may explode or leak.
- To ensure a longer lifespan, please use 4 new AA alkaline batteries (not included). Don't mix new and old alkaline, standard (carbon-zinc), or rechargeable batteries.

3.1.2 Install The Timer Bracket

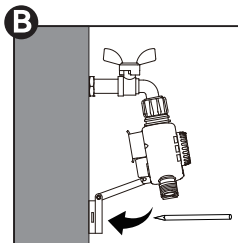


STEP 1: First, secure the nut in the designated slot. Then insert the stainless steel brace into the groove. Insert the bolt through the side of the stainless steel brace and tighten it with the nut.

Parts used in this step:

⑦ **Brace x 1**, ⑥ **Nut x 1**,

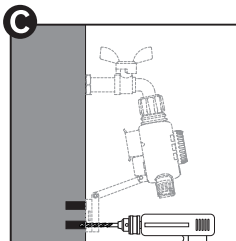
⑩ **Middle screw x 1**.



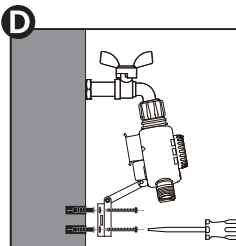
STEP 2: After securely installing the timer onto the faucet, adjust the angle of the brace so that the mounting surface is flush with the wall. Use a pencil to mark the positions of the screw holes.

Parts used in this step:

Pencil x 1 (not included).



STEP 3: At the marked place, drilling 4 hole on the wall for screwing.

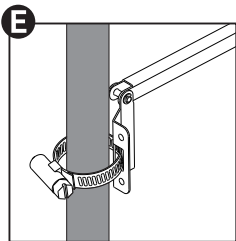


STEP 4: At last, fix the other end of the brace to the wall. First screw in the expansion bolts, then the screws.

Parts used in this step:

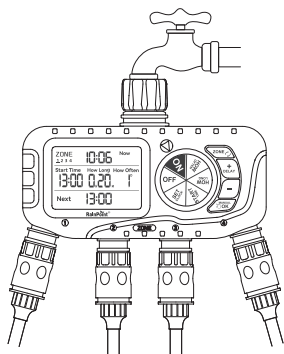
Expansion bolts×4

Screws ×4

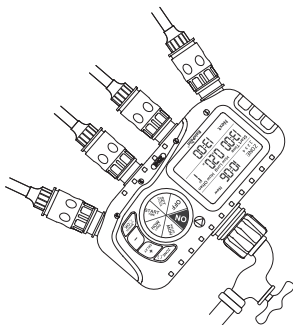
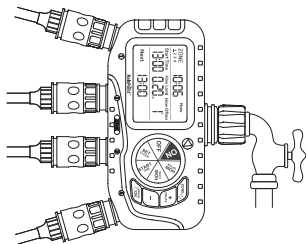


Tip: You can also choose to secure the product to the water pipe using a clamp, without mounting it on the wall with screws.

3.1.3 Installing The Timer

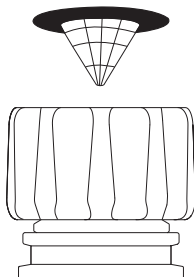
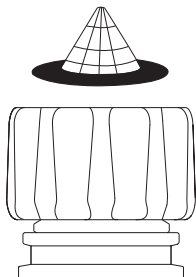


1. Turn off the garden faucet.
2. Screw the timer to the garden faucet and make the display as vertical as possible to the ground to prevent rainwater from accumulating and leaking into the interior.
3. Screw the garden hoses to the timer outlets.
4. Turn on the faucet after programming the timer.



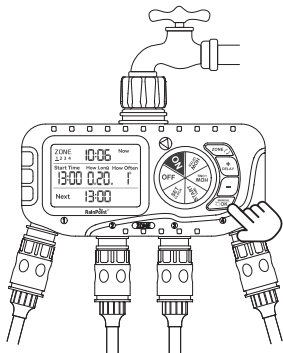
Note:

- 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.



3.1.4 Activate The Timer Before Use

! Please active the valves when getting the timer for the first time, or it's been a long time since your last time to use it.



1. Keep the faucet closed and turn the dial to **"ON"**.
2. Press and hold **"OK/Manual"** button and at the same time insert the batteries to enter the self-inspection mode.
3. Release **"OK/Manual"** button 3 sec later and four valves will be opened and closed in turn to finish self-inspection, each valve costs 5 sec.

5. After zone 4 finishing its first self-inspection, turn on the faucet a little bit to **start test with water**.
6. During test of each valve, please check whether the water flow out or shut off as expected.
If yes, the timer valves are activated successfully, please use the timer with confidence.
If not, please repeat the step 1~6 for several times, or contact us immediately for support.
7. **After test, take out the batteries to avoid testing circlly.**
Then re-insert batteries to start normal operation.

Note: When testing, please keep away from the water timer outlet to avoid being splashed and wet.

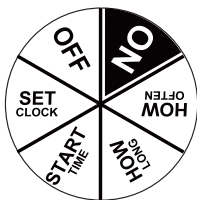
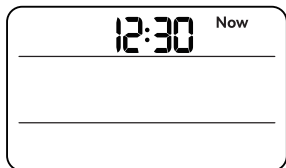
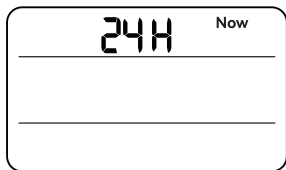
3.2 Programming The Timer

This four-zone timer allows you to water four different areas using a single faucet, with each zone customizable for independent start times, irrigation durations, and frequencies.

Note:

- **Single Zone Operation:**
The device can only run one zone's program at a time, running multiple zones simultaneously will split and reduce water pressure. If there are conflicting programs, only one zone will execute while others wait for completion. **More information please refer to P21.**
- **Setup Instructions:**
Setting Watering Plans for Each Zone: Press the "ZONE" button to select ZONE 1. Set the start time, duration, and frequency of ZONE 1, then turn the dial to "ON" to save the changes. And the watering plan for ZONE 1 has been set successfully. Use the "ZONE" button to select ZONE 2, ZONE 3, or ZONE 4, and use the same method to set the watering plans for each zone.
Watering Plans:
Each zone can set only one watering plan.

STEP 1: SET CLOCK

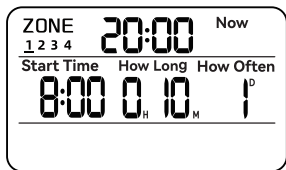


1. Turn the dial to **"SET CLOCK"**. Use the "+" or "-" buttons to select either the **24H** or **12H** format, then press the **"OK"** button to confirm and enter the time setting.
2. The hour number flashes. Use the "+" or "-" buttons to adjust the number to your local time. If you choose the **12H** format, please be aware of the distinction between **AM** and **PM**.
3. Use the **"OK"** button to confirm and switch between hours, minutes, or **12H/24H** formats.
4. Rotate the dial clockwise to save the changes, then proceed to the next step.

Note:

- When completing this step, please turn the dial to save changes instead of pressing the **"OK"** button. If you press **"OK"** after setting, it will return to previous settings instead of saving them.
- Press and hold "+" or "-" buttons for 3 secs can adjust number quickly.

STEP 2: START TIME



1. Turn the dial to **"START TIME"**.
2. The hour flashes; use the "+" and "-" buttons to set your start time.
3. Use the **"OK"** button to switch between hours or minutes.
4. Rotate the dial clockwise to save the changes and proceed to the next step.

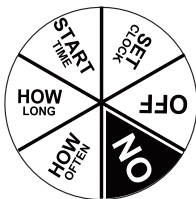
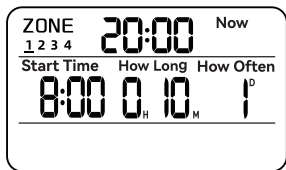
More information please turn to Page 21 to learn the running logic of the valves in each zone of the timer.

To learn how to close one or several zones, please refer to Page 19 in this manual.

Note:

- Press and hold "+" or "-" buttons for 3 secs can adjust number quickly.
- There is an OFF option between 23:00 and 00:00. When OFF is selected, the plan will not be executed for this zone.
- During the setup process, you can switch between different ZONEs using the "ZONE" key to set the START TIME for different ZONEs. After switching, save the settings before switching.

STEP 3: HOW LONG

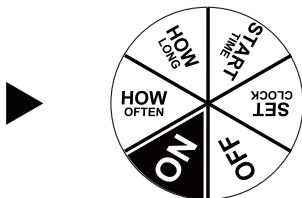
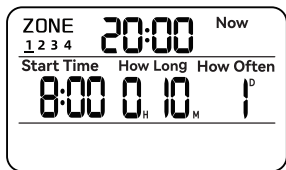


1. Turn the dial to **"HOW LONG"**.
2. The hour flashes. Use the "+" and "-" buttons to select the watering duration, ranging from 1 minute to 4 hours.
3. Use the **"OK"** button to confirm and switch between hours or minutes.
4. Rotate the dial clockwise to save the changes and proceed to the next step.

Note:

- Press and hold "+" or "-" buttons for 3 secs can adjust number quickly.
- As the setting range for **"HOW LONG"** is from 1 minute to 4 hours, and the setting range for **"HOW OFTEN"** is from 1 hour to 12 hours or 1 day to 7 days, **it's important to ensure that the "HOW OFTEN" setting is equal to or longer than the "HOW LONG" setting. This ensures that the plan functions correctly. Otherwise, it may not operate as intended.**
- During the setup process, you can switch between different ZONE settings using the "ZONE" key at any time, and save the settings before the switch.

STEP 4: HOW OFTEN



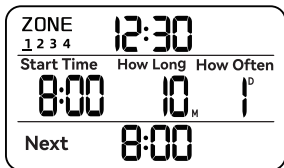
1. Turn the dial to **"HOW OFTEN"**.
2. Use the "+" and "-" buttons to set your watering frequency. You can choose every 1 to 12 hours or every 1 to 7 days.
3. Rotate the dial clockwise to save the changes and proceed to the next step.

More information please turn to Page 22 to learn the logic of the watering frequency.

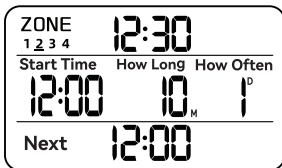
NOTE: Press and hold "+" or "-" buttons for 3 secs can adjust number quickly.

During the setup process, you can switch between different ZONE settings by pressing the "ZONE" key at any time. After switching, save the settings before switching.

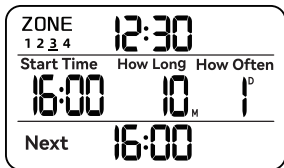
STEP 5: AUTOMATIC WATERING



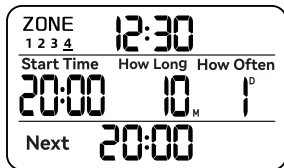
Next Plan For Zone 1



Next Plan For Zone 2

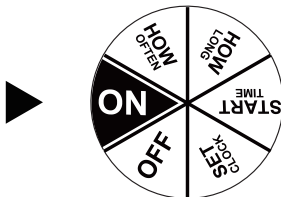


Next Plan For Zone 3



Next Plan For Zone 4

1. Turn the dial to "ON".
2. The LCD will display the current time and automatically switch to show program details for each of the four zones.



NEXT Display Rules:



Hourly Display



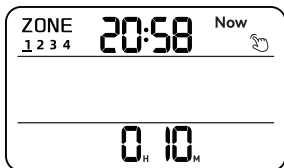
Daily Display

1. **Hourly Display:** When the irrigation frequency is less than 24 hours, after the first watering task completes, the "Next" section will show the start time of the next watering.
2. **Daily Display:** When the irrigation frequency is greater than 24 hours, after the first watering task completes, the "Next" section will show the number of days until the next watering. It will switch to hourly display only when the frequency drops below 24 hours.

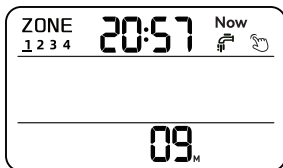
CONGRATULATIONS! Your timer has now been programmed successfully. It will start watering automatically based on the programmed start time, duration and frequency. Now you can keep the faucet turned on and trust the timer to do the watering!

3.3 Additional Functions

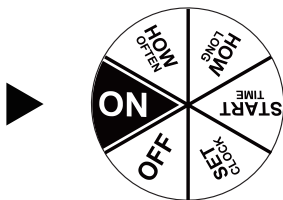
Manual Watering



Setting Process



Setting Finished



1. Turn the dial to "ON".
2. Press and hold the **"MANUAL"** button for 3-5 seconds to enter manual watering mode. Press the **"ZONE"** button to switch zones, press **"OK"** to enter next step.
3. Use the "+" or "-" buttons to adjust the manual watering duration from 1 minute to 8 hours. The default watering duration is 10 minutes. Press and hold the "+" or "-" buttons will quickly increase or decrease the value.
4. When the numbers are flashing, immediately press the **"OK"** button to confirm and start manual watering. The screen will display ( and ) along with the remaining time for manual watering.

5. To stop manual watering, press and hold the **"MANUAL"** button for 3-5 seconds and it will stop manual watering and restore the original watering program. (Alternatively, you can turn the dial to **"OFF"** to stop manual watering, then turn it back to **"ON"** to resume the original watering program.)

Note:

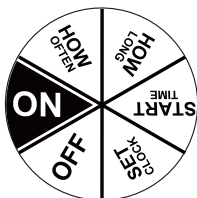
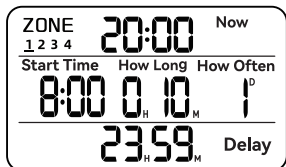
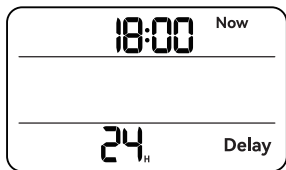
- Remember to press the **"OK"** button after setting the manual watering duration in order to start manual watering; otherwise, the manual watering settings will automatically exit after approximately 5-8 seconds of flashing on-screen.
- If you do not select a zone and press **"OK"** to enter the manual watering time setting, then press **"OK"** again to start manual watering, zone 1 will be activated for watering since you haven't selected any specific zone.

Note: Manual watering mode always takes priority over automatic watering mode.

- For a zone, when it's running an automatic watering, a manual watering with later start time conflicts with it, no matter comes from the same or a different zone, then automatic watering would be interrupted and lose its left watering time.
- For a zone, when it's running a manual watering mode, an automatic watering with later start time conflicts with it, automatic watering mode would be skipped no matter it's from the same zone or from another zone.

Please turn to page 23 to learn the running logic of the valves in each zone under the Manual Watering Mode.

Rain Delay

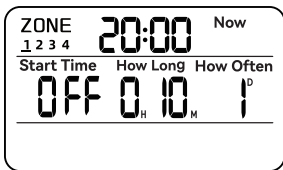


1. When dial at **"ON"**, press and hold **"+/DELAY"** button for 3 sec to enter into rain delay mode interface.
2. When default time **"24H"** is flashing, press **"+"** and **"-"** buttons to adjust time between 0H, 24H, 48H and 72H. Select 0H means cancel delay mode.
3. Press **"OK/Manual"** button, and it will start rain delay program immediately.

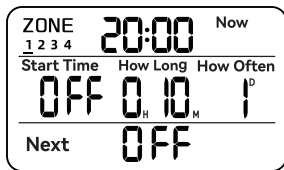
Note:

- After selecting the rain delay duration, you need to press the **"OK"** button to activate the rain delay program. Otherwise, the rain delay settings will automatically exit after flashing on the screen for 3-5 seconds.
- Rain delay mode cannot be paused once started. To stop the rain delay program, press and hold the **"DELAY"** button to stop the rain delay program and restore the original watering program. (Alternatively, you can turn the dial to **"OFF"** and then turn it back to **"ON"** to resume the original watering program.)
- The rain delay setting is applied to all of the four zones at the same time. If you set the rain delay program for one zone, the plans for the other three zones will be delayed as well.

Close One/Two/Three of The Zones



Setting Process

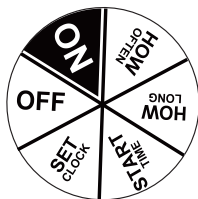


Setting Finished

If you want to use one, two or three of the four zones for watering and close the other zone(s), please refer to the following steps to close ZONE 1 and you can close the other zones using the same method.

1. Turn the dial to **"START TIME"** and press **"ZONE"** to select ZONE 1.
2. The hour flashes. Press the **"+"** or **"-"** button to adjust the hour until it displays **"OFF"**.
3. Turn the dial to **"ON"** to save the changes and you will see the screen display the start time as **"OFF"** of ZONE 1 on the main page.

Off Mode



1. If you wish to stop all watering plans for an extended period, turn the dial to **"OFF"**.
2. The timer will not water automatically while in **OFF** mode, but timer still saves your setted programs. Once you turn the dial to **"ON"**, the setted programs will work again.

Note: Your automatic watering schedule will only run if the dial is at **ON**.

Battery Status



Note: When the batteries don't have enough power, the low battery icon will shown on the screen, please change batteries as soon as possible.

3.4 Working In Different Programs

Automatic Watering for 4 Zones

Your Timed Watering Plan			Real Working	
Valve	Start Time	How Long	Real Start Time	Finish Watering Time
Zone 1	7:00	20 minutes	7:00	7:20
Zone 2	7:00	20 minutes	7:20	7:40
Zone 3	6:00	20 minutes	6:00	6:20
Zone 4	7:30	20 minutes	7:40	8:00

To ensure output water volume and water pressure from faucet don't reduce, timer will always only open one valve at a time when multi-zones are running at the same time. In this case, a valve with the earliest start time would run firstly. When zones have same start time, then timer would open valve one by one according to the zone number 1-2-3-4.

For example as above:

- Zone 3 has the earliest start time in all 4 zones, so zone 3 would run firstly.
- Both zone 1 and 2 have secondly earliest start time, and they would run next. Zone 1 secondly and zone 2 thirdly.
- Zone 4 has the latest start time, so timer would open zone 4 at last. Because zone 2 finish watering at 7:40, then real start time of zone 4 is at 7:40 instead of its original start time at 7:30.

Different Watering Frequency

Start time	How often	How timer works in different frequency	Next Start time	-
8:00 AM	8H	Next start time = start time + 8H	16:00 PM	...
8:00 AM	12H	Next start time = start time + 12H	20:00 PM	...
8:00 AM	1 Day	Next start time = start time + 1 Day	8:00 AM every day	...
8:00 AM	2 Day	Next start time = start time + 2 Day	8:00 AM 2 days later	...
8:00 AM	3 Day	Next start time = start time + 3 Day	8:00 AM 3 days later	...

In automatic mode, what will timer work in different watering frequency ?

For example as above:

It shows the start time and next start time when you choose different "**How often**", namely watering frequency.

Examples of watering frequency of every 1 day, every 2 days and every 3 days:

EVERY 1 DAY

	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
EVERY WEEK							

EVERY 2 DAY

	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
WEEK ONE							
WEEK TWO							

EVERY 3 DAY

	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
WEEK ONE							
WEEK TWO							

Timed Watering meets Manual Watering

Valve	Start Time	How Long	Mode	Really Run
Zone 1	7:00	20 minutes	Timed watering mode every day	Run automatic watering program from 7:00~7:10
Zone 2	7:10	30 minutes	Manual watering mode only today	Run manual watering program from 7:10~7:40
Zone 3	7:30	20 minutes	Timed watering mode every day	Run automatic watering program from 7:30~7:50 the next day

Manual watering mode always has the priority over timed watering mode.

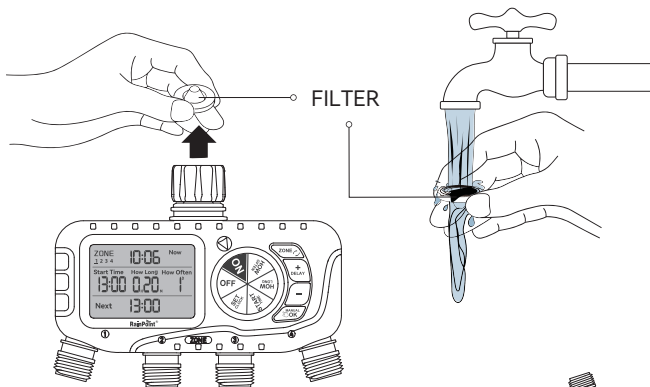
For example as above:

- Zone 1 start automatic watering program at 7: 00, and its' original end time is at 7: 20. However, zone 2 start manual watering mode at 7: 10, which is earlier than 7: 20, then timer would open zone 2 to run manual watering program from 7: 10~7: 40, and zone 1 would be closed from 7: 10~7: 20, which means zone 1 would lose 10 minutes' watering time.
- After zone 2 finish manual watering at 7: 40, zone 3 will skip the timed watering for today as the start time for the automatic watering has passed and it will start the automatic watering the next day at 7: 30 after zone 1 and zone 2 finish the watering.

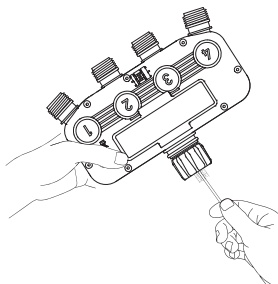
3.5 Cleaning Your Timer

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 running water.



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 Factors	Solution may help
Condensation on the screen	Air condenses inside the screen due to the difference in temperature between inside and outside.	The fog will disappear as the temperature rises, or leave it stand for a period of time.
Low water pressure	- Filter blockage. - Inlet pressure is 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. - Install a booster pump or other booster pressurizing equipment.
Timer does not water or has low water flow	- Batteries are low. - The dial does not turn to ON. - The faucet is not turned on.	- Replace brand new alkaline batteries. - Turn the knob of the dial to the ON position. - Turn on the faucet.
Timer is leaking	Filter washer lost or damaged.	- Check if filter washer is in place. - Check if filter washer is clean and undamaged. - Faucet connection is hand tight.

5. Precautions

1. Intended for outdoor use only, put in the sheltered outdoor will prolong the product lifetime.
2. Using tools to secure the timer can lead to over-tightening and damage to the timer. Please do not use tools to install the timer; it is recommended to secure it by hand.
3. Please ensure that the filter is placed horizontally in the top connector before installation to prevent leakage, add a filter and thread seal tape if necessary.
4. The mesh filter can prevent dirt particles. To extend the lifespan of the hose timer, please clean the filter regularly and replace it when worn.
5. When the power is low, please replace the batteries in time to avoid the interruption of the normal operation; when replacing the batteries, please make sure that the battery compartment is dry.
6. When not in use, please remove the batteries, drain the water from the timer and store it indoors to avoid freezing.
7. Do not use the timer when the temperature is above 50°C (122°F) or below 3°C (37.4°F).
8. Do not subject the product to extreme force and shock.
9. Severe electrical shock could result if water is sprayed into outlets or sources of electrical current. Never immerse the product in water.

6. Warranty Policy

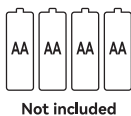
RainPoint provides a 1-year worry-free warranty against manufacturing defects in materials and workmanship from the date of purchase. During the warranty period, we'll replace free of charge the product found to be defective under reasonable use and service as determined solely by RainPoint.

To place a warranty request, please email your order ID to **service@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 some help, please prepare the LOT NO. of your device and contact us before returning the product to the store.



Need Help ?

Scan the QR code for more help



or

US toll free: +1 833-381-5659

(Mon-Fri: 9:30 AM-5:30 PM PST)

DE toll free: +49 800-182-0576

(Mon-Fri: 9:00 AM-5:00 PM CET)

UK toll free: +44 20-4628-3036

(Mon-Fri: 9:00 AM-5:00 PM CET)

Email: service@rainpointonline.com

