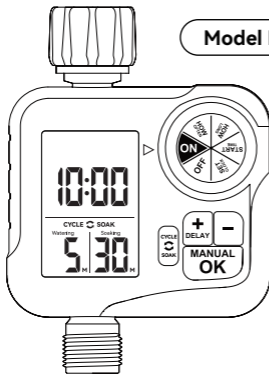


1-Zone Water Timer USER MANUAL

Model NO: ITV117



Email
service@rainpointonline.com



Free Hotline
US: +1 833-381-5659 (EN)
UK: +44 800-808-5337(EN)

DE: +49 800-182-0576 (DE,EN)

WARM TIPS PLEASE READ BEFORE USING



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 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 the first use or after a period of inactivity (Refer to page 5: **ACTIVATE THE TIMER VALVE BEFORE USE**).



Only use with clean cold water.

FOR ANY PROBLEMS DURING USE, PLEASE CONTACT US:



Web: www.rainpointonline.com



Email: service@rainpointonline.com



US toll free(English): +1 833-381-5659

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

DE toll free(Deutsch/English): +49 800-182-0576

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UK toll free(English): +44 800-808-5337

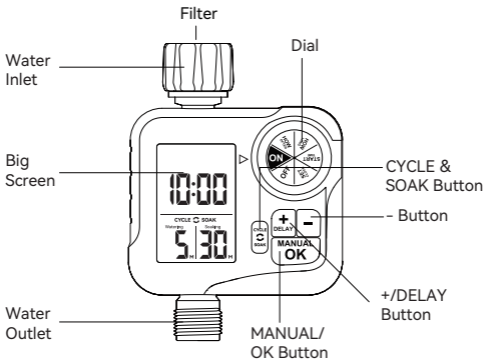
(Mon-Fri: 9:00 AM-5:00 PM CET)

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PRODUCT OVERVIEW

AT A GLANCE



- **Dial:** Rotate the dial to customize your watering schedule and save settings.
- **+ / DELAY Button:** Use "+" to adjust the time. When the dial is turned to "ON", press and hold "DELAY" to enter Rain Delay setting.
- **- Button:** Use "-" to adjust the time.
- **MANUAL / OK Button:** Use the "OK" button to confirm settings. Change time format at "SET CLOCK". When the dial is turned to "ON", press and hold the "MANUAL" button to enter manual watering settings.
- **CYCLE & SOAK Button:** Press to select from three cycle and soak time settings.



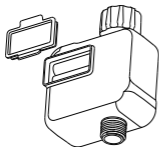
DIAL POSITION	FUNCTION
SET CLOCK	Switch 12H/24H and set the current time
START TIME	Select what time you would like to start watering
HOW LONG	Determine how long to water (water duration) and choose cycle & soak time
HOW OFTEN	Choose how often you will water (water frequency)
ON	Timer runs according to your customized schedule
OFF	Turn off all watering

SPECIFICATION

Working Water Pressure	0.5bar-8bar (7.25 psi-116 psi)
Max Flow Rate	9.2 Gal/Min (35L/Min)
Waterproof Level	IP54
Working Temperature	37.4°F-122°F (3°C-50°C)
Watering Frequency	Every 12 hours or every 1-7 days
Watering Duration	From 1 minute to 3 hours 59 minutes (4 hours)
Water Inlet	NH (US) for 3/4" taps BSP(EU) for 3/4" or 1" taps
Water Outlet	For 3/4" standard garden hose
Power By	2 AA (1.5V) alkaline batteries (Not Included)


PRODUCT INSTALLATION

INSTALLING THE BATTERIES

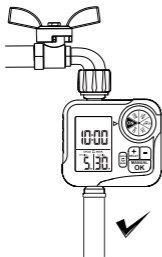


- 1) Remove the battery compartment to the back of the timer.
- 2) Insert 2 new AA (1.5V) alkaline batteries (not included).
- 3) Put the battery compartment back to the timer and press firmly to make sure it is completely sealed.

▲ Note:

- Install the battery tray securely after installing the battery to ensure waterproofing.
- 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  appears on display.
- Don't dispose of batteries in fire. Batteries may explode or leak.
- 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.

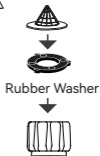
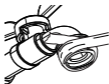
INSTALLING THE TIMER



- 1) Turn off the garden faucet.
- 2) Wrap Teflon Tape around the faucet threads.
- 3) 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.
- 4) Wrap Teflon Tape around the threads of the timer outlet.
- 5) Screw the garden hose to the timer outlet.
- 6) Turn on the faucet after programming the timer.



Tips: Wrap Teflon tape on the threads and align the threads for installation to avoid leakage. If the faucet threads cannot tighten to the bottom of the timer inlet, add a rubber washer.



Note:

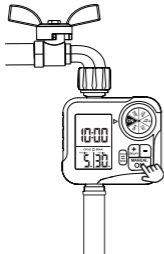
- ⊘ Please do not use tools, only install the timer by hand.
- ⊘ When freezing temperatures are expected, timers should be removed from the hose faucet and stored indoors to prevent potential freeze damage.
- ▲ Please install the filter properly and keep it clean as follows.



ACTIVATE THE TIMER VALVE BEFORE USE

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

Activation steps:



- 1) Keep the garden faucet turned off.
- 2) Turn the timer dial to **"ON"**.
- 3) Press and hold the **"MANUAL"** button for 3-5s to enter Manual Watering Mode.
- 4) When the screen flashes, press the **"OK"** button to start manual watering.
- 5) After hearing the **"click"** sound or waiting for about 5 secs, the valve in the timer is opened, then turn the dial to **"OFF"** to close the valve.
- 6) Repeat step 2 - 5 for 3-5 times.
- 7) **Test:** Turn on the faucet a little bit, and then repeat step 2-5 to check if the water flows out or shuts off as expected.

If yes, the timer valve is normal, please use it with confidence!
If not, please repeat the above steps several times or contact RAINPOINT support team immediately.

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

PROGRAMMING YOUR TIMER

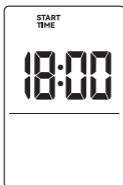
STEP 1: SET CLOCK



- 1) Turn the dial to **SET CLOCK**. Press and hold "OK" button to change the 12-hour/24-hour time format. When changing to the 12H time format, the screen will show AM/PM above the hour number.
- 2) Use "+" or "-" button to set the current time. If you choose the 12-hour format, please pay attention to the **AM/PM**.
- 3) Use the "OK" button to confirm and switch between hours or minutes.
- 4) Turn the dial clockwise to save the changes in this STEP and go to next STEP.

Tips: When the setup of this STEP is finished, please turn the dial to save the changes instead of press the "OK" button. If you press the "OK" button after setting, it will return to the previous setting instead of saving it.

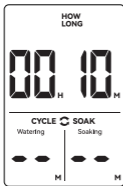
STEP 2: START TIME



- 1) Turn the dial to **START TIME**.
- 2) Use "+" or "-" button to set the time you want to start watering.
- 3) Use the **"OK"** button to switch between hours or minutes.
- 4) Turn the dial clockwise to save the changes in this STEP and go to next STEP.

Tips: When the setup of this STEP is finished, please turn the dial to save the changes instead of press the **"OK"** button. If you press the **"OK"** button after setting, it will return to the previous setting instead of saving it.

STEP 3: HOW LONG



- 1) Turn the dial to **HOW LONG**.
- 2) Use "+" or "-" button to select the watering time from 1 minutes to 3 hours and 59 minutes.
- 3) Use the "OK" button to switch between hours or minutes.
- 4) Turn the dial clockwise to save the changes in this STEP and go to next STEP.

Tips: When the setup of this STEP is finished, please turn the dial to save the changes instead of press the "OK" button. If you press the "OK" button after setting, it will return to the previous setting instead of saving it.

Set Cycle & Soak Mode For Irrigation

1. **Set the Duration:** Start by setting the "HOW LONG" duration to at least 6 minutes.
2. **Activate the Cycle & Soak Mode:** Then press the CYCLE & SOAK button to choose a preset cycle & soak mode. You can select from four options:

Cycle & Soak Mode	Screen Display	Irrigation Duration	Soak Duration	How Long Setting
OFF	--:--			1min-3h59mins
Mode 1	3M:15M	3mins	15mins	≥ 6 minutes
Mode 2	5M:30M	5mins	30mins	≥ 6 minutes
Mode 3	10M:30M	10mins	30mins	≥ 11 minutes

NOTE:

If you don't want to use the **Cycle & Soak** mode, simply turn the dial to "HOW LONG", press the **Cycle & Soak** button until it displays --:--. And the water timer will run cyclically based on the duration and frequency you set with "HOW LONG" and "HOW OFTEN".

3. Turn the dial clockwise to save the changes in this step and go to the next step.

What is Cycle & Soak?

Cycle & Soak involves dividing the total water volume required for a single irrigation into several smaller portions, which are then applied to plants intermittently in a "small amounts, multiple times" manner. This allows time for the soil to absorb and diffuse the water.

Advantages of Cycle & Soak

1. Enhanced Water Conservation: Eliminates surface runoff, ensuring complete water utilization by crops.
2. Improved Irrigation Uniformity: Guarantees consistent water distribution across different locations, promoting even crop growth.
3. Improved Soil Structure
4. Suitable for Complex Terrains like Slopes/Clay Soils
5. Promotes Nutrient Absorption

Cycle & Soak Mode	When it work best
Mode 1(3M:15M)	Peppers/Succulents/Grapes
Mode 2(5M:30M)	Lawns/Tomatoes/Roses/Philodendrons
Mode 3(10M:30M)	Maples/Oaks

Case on Time Calculation for the Cycle & Soak

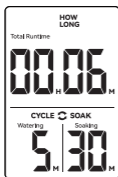
Cycle& Soak Mode	Start Time	How Long	How Often	Total Irrigation Time	Valve Close Time	Next Start Time
Mode 1(3:15)	8:00 AM	11mins	1 day	56mins	8:56 AM	8:00AM the next day
Mode 2(5:30)	10:00 AM	18mins	1 day	108mins	11:48 AM	10:00 AM the next day
Mode 3(10:30)	15:00 PM	35mins	2 day	125mins	17:05 PM	15:00PM the next day
OFF (---:--)	8:00 AM	45mins	1 day	45mins	8:45 AM	8:00AM the next day



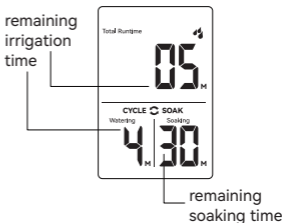
PS: "How Long" is the watering time set by yourself. (Total sum of cyclic watering time) "Total Time" is the time needed for the whole watering process. (Watering time per cycle + each soaking time) If you find the calculation process a bit complicated, you can scan the QR code. We have set up a calculator to help you calculate the total time.

Different Cycle & Soak Mode Scenario

Cycle & Soak Mode	Start Time	How Long	How Often	Total Irrigation Time	Valve Close Time	Next Start Time
OFF (---:---)	8:00 AM	45mins	1 day	45mins	8:45 AM	8:00AM the next day
Mode 1(3:15)	8:00 AM	30mins	1 day	30mins	10:45 AM	8:00AM the next day
Mode 2(5:30)	10:00 AM	48mins	1 day	48mins	15:18 AM	10:00 AM the next day
Mode 3(10:30)	15:00 PM	65mins	1 day	65mins	19:05 PM	15:00PM the next day



setting cycle & soak mode



running cycle & soak mode

Important Notes:

1. When you enable **Cycle & Soak** mode, the "**HOW LONG**" setting indicates only the whole irrigation time. It does not include any soaking time. When the "**HOW LONG**" duration is finished, the valve will be closed.
2. The cycle & soak mode only applies to scheduled irrigation, it does not apply to the manual irrigation.

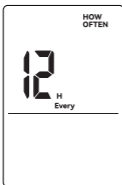


3. If you want to stop using the cycle & soak mode without interfering your set schedule, simply turn the dial to "**HOW LONG**" and press the **CYCLE & SOAK** button until the screen displays --:--.

TIP: When the timer is in the irrigation process, if you turn the dial to set the cycle & soak to off, the valve will be closed immediately.

4. If the total irrigation duration exceeds the allotted irrigation time for a scheduled frequency cycle, the timer will automatically skip any remaining watering time when the next cycle begins. And the valve will not close unless you turn it off. To maximize your watering, ensure that your irrigation duration fits within each frequency cycle.

STEP 4: HOW OFTEN



- 1) Turn the dial to **HOW OFTEN**.
- 2) Use "+" or "-" button to set the watering frequency. You can choose to water every 12 hours, or every 1 to 7 days.
- 3) Turn the dial clockwise to save the changes in this STEP and go to next STEP.

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

EVERY 1 DAY

	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
EVERY WEEK	☹	☹	☹	☹	☹	☹	☹

EVERY 3 DAY

	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
WEEK ONE		☹			☹		
WEEK TWO	☹			☹			☹

Tips:

When the setup of this **STEP** is finished, please turn the dial to save the changes instead of press the "OK" button. If you press the "OK" button after setting, it will return to the previous setting instead of saving it.

STEP 5: AUTOMATIC WATERING



- 1) Turn dial to "ON".
- 2) The LCD screen will display the current time and the next time to start watering. If you turn on the cycle & soak mode, it will also display the cycle & soak duration ratio.

NOTE: The automatic watering program will only run when the dial is in the ON position.



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 open and let the water timer automatically irrigate your yard.

NOTE:

- 1) Turning the dial and not in the **ON** state. It will stop all watering plans and will not start automatically. The automatic watering plans will only be executed when the dial is in the **ON** state.
- 2) Turn the dial and then back to **ON**.
 - If the current real-time time has exceeded the set **START TIME**, all watering plans for the day will be skipped, and the automatic watering program will start watering at the frequency you set from the **START TIME** of the next day.

Real-time (dial back to ON)	START TIME	HOW OFTEN	Next watering start time
1:00 PM	9:00 AM	6H	9 am the next day

- If the **START TIME** of the automatic watering plan of the day has not yet arrived, the watering plan will be executed normally from the **START TIME** of the day according to the frequency you set.

Real-time (dial back to ON)	START TIME	HOW OFTEN	Next watering start time
1:00 PM	3:00 PM	6H	3 p.m. that day

ADDITIONAL FUNCTIONS

RAIN DELAY



Setting rain delay 24/48/72H



Performing rain delay

Rain delay allows you to postpone watering for a set period of time, and it will not interrupt your original schedule.

To access the rain delay, follow the steps below.

- 1) With the dial at "ON", press "DELAY" button for 3-5s to start the delay watering function.
- 2) There will be a delay period on the screen which default "24H". You can press button "+" or "-" to choose the delay period from 24H, 48H, and 72H.
- 3) Press "OK" button to run the delay function after selecting the delay time, and all watering plans will be skipped during this period.
- 4) To remove rain delay, hold the "DELAY" button for 3-5s again to resume your programmed watering schedule.

Note: Please remember to press the "OK" button after selecting the rain delay time to start the rain delay program. Otherwise, the rain delay setting will automatically exit after the screen flashes for 3-5s.

MANUAL / HAND WATERING




Setting manual watering
1min~7 hours 59 minutes



Performing manual watering

This function allows you to manually water without interrupting your set watering schedule.

To access this feature, please follow the steps below.

- 1) Turn the dial to "ON".
- 2) Press and hold the "MANUAL" button for 3-5s to enter the Manual Watering Mode.
- 3) Press the "+" or "-" buttons to adjust the manual watering time from 1 minute to 7 hours 59 minutes. (The default manual watering time is 10 minutes.)
- 4) After setting the watering time, press the "OK" button to start manual watering and the pattern  will be displayed on the screen.
- 5) If you need to stop the manual watering, please hold the "MANUAL" button for 3-5s to exit the manual watering mode and restore the original watering program.

NOTE:

1. After setting the watering time, if you don't press the "OK" button to start manual watering, it will start the manual watering automatically after the screen flashes about 3-5 seconds.
2. The cycle & soak mode only applies to scheduled irrigation, it does not apply to the manual irrigation.

OFF MODE



- 1) If you wish to stop the watering plan for an extended period, turn the dial to **"OFF"**. (Your settings are saved)
- 2) The timer will not water automatically while in **OFF** mode. (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.


Tips: After turning it back to **ON**, please pay attention to the first watering time. Please refer to page 14 for details.

STOP RUNNING WATER

If the timer is watering and you want to stop it, please turn on and cancel **Manual Watering**. The current watering will be skipped, but subsequent watering schedules will not be affected. (See page 16 for details on Manual Watering settings)

BATTERY STATUS

 Low Power

When the low battery indicator  appears on display, the valve will close automatically to avoid leakage. Please replace the battery in time in case of interrupting the normal operation.

TROUBLESHOOTING

Problem	Possible Cause	Possible Solution
The water inlet leakage	<ol style="list-style-type: none"> 1. No filter or not be placed horizontally. 2. The faucet is not the standard 3/4". 	<ol style="list-style-type: none"> 1. Add a filter and make sure it's placed horizontally in the inlet. 2. Make sure the faucet is a standard 3/4" faucet. 3. Wrap Teflon tape on the tap making it tight.
The water won't stop/flow out	<ol style="list-style-type: none"> 1. Long time in storage and transportation make the valve inactive. 2. Valve blockage. 	<ol style="list-style-type: none"> 1. Keep the tap turned off and turn the timer dial to ON. 2. Run the manual watering for 5-7s and stop it. 3. Repeat the Step 2 for 3 to 5 times. 4. Try using it normally.
No response for rain delay function	After setting rain delay time, without pressing OK button to save and run.	Press OK button after the time is set to confirm.
Short battery life	<ol style="list-style-type: none"> 1. Mixed use of old and new batteries. 2. Use the carbon batteries or rechargeable batteries. 	<ol style="list-style-type: none"> 1. Use new alkaline batteries. 2. Rechargeable batteries and carbon batteries have a short life, use the alkaline batteries instead of them.

Low water pressure	<ol style="list-style-type: none"> 1. Filter blockage. 2. Inlet pressure not sufficient to support watering needs. 	<ol style="list-style-type: none"> 1. Check if the filter is clogged, if so, clean or replace the filter. 2. Make sure the timer is installed properly and not cross-threaded. 3. Installation of a booster pump or other auxiliary equipment of increasing pressure.
LCD screen does not display	<ol style="list-style-type: none"> 1. The battery is exhausted. 2. The display is exposed to direct sunlight. 	<ol style="list-style-type: none"> 1. Replace new 2*AA alkaline batteries and installed correctly. 2. Avoid direct sunlight, and observe if the battery is too low.

If you need help in using the timer, please feel free to contact us.

US toll free(English): +1 833-381-5659

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UK toll free(English): +44 800-808-5337

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

Email: service@rainpointonline.com

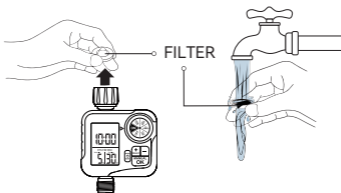
WhatsApp: +1 626-780-5952

CLEANING YOUR TIMER

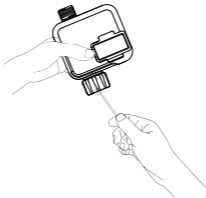
After a period of use, impurities or dirt in the water may accumulate in the timer. Therefore, the timer should be cleaned regularly to ensure its proper operation.

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.



WARNINGS

- 1) For outdoor use only. Placing the timer in the sheltered outdoors will prolong its lifetime.
- 2) To avoid damage, please tighten it without using tools.
- 3) The filter should be placed horizontally in the water inlet to prevent leakage.
- 4) When low power, please replace the batteries to avoid the interruption of normal operation; when replacing the batteries, please make sure that the battery tray is dry.
- 5) When the timer is not in use, please remove the batteries and store it indoors.
- 6) Don't use the timer under the temperature more than 122°F (50°C), or less than 37.4°F(3°C).
- 7) Don't subject the product to extreme force and shock.
- 8) Severe electrical shock could result if water is sprayed into outlets or sources of electrical current. Never immerse the product in water.

WARRANTY

RainPoint provides a 1-year 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 us with your order ID at service@rainpointonline.com and we'll respond within 24 hours.

CUSTOMER SERVICE

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.: XXXXX

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DE toll free(Deutsch/English): +49 800-182-0576

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

UK toll free(English): +44 800-808-5337

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

Email: service@rainpointonline.com

EC REP

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UK REP

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S211 92a Bury Old Road, Manchester, England, M45 6TQ

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Manufacturer/Hersteller/Fabricant/Produttore/Fabricante:

FUJIAN BALDR TECHNOLOGY CO.,LTD

ADDRESS/ADRESSE/ADRESSE/INDIRIZZO/DIRECCIÓN:

Floor 3, Building 2, No.71 Yangqi Road, Fuwan Industrial Area,
Cangshan District, Fuzhou, China. 350008

EMAIL: service@rainpointonline.com



Not included.





Scan the QR code to
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Need Help?

Please contact us

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