

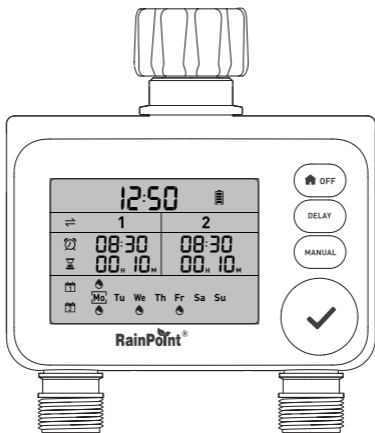


**RainPoint**<sup>®</sup>  
More Than Water Saving

# USER MANUAL

## 2-ZONE DIGITAL WATER TIMER

Model No. : ITV220



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US toll free: +1 833-381-5659  
DE toll free: +49 800-182-0576  
UK toll free: +44 800-808-5337

## 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 7: Activate The Timer Before Use).



Only use with clean cold water.

**If you encounter any problems during use, please contact us to get support:**

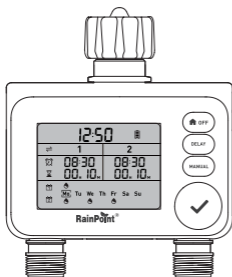
**Web:** [www.rainpointonline.com](http://www.rainpointonline.com)

**Email:** [service@rainpointonline.com](mailto:service@rainpointonline.com)

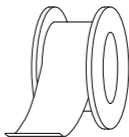
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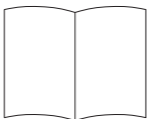
# 1. CONTENTS IN THE BOX



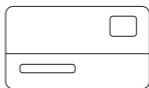
1



3



2

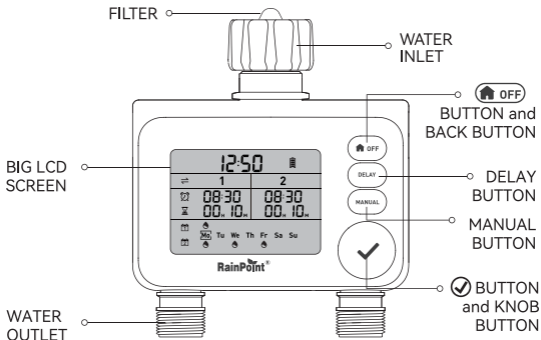


4

1. **ITV220 2-Zone Digital Water Timer**
2. **User Manual**
3. **Teflon Tape**
4. **Warranty Card**

## 2.INTRODUCTION

### 2.1 Product Overview



- **OFF BUTTON and BACK BUTTON:** Press and hold to enter ON/OFF zone setting, short press to save setting and go back to the main page.
- **DELAY BUTTON:** Short press to set delay duration.
- **MANUAL BUTTON:** Open and close manual watering.
- **OK (✓) BUTTON and KNOB BUTTON:** Press and hold to enter 12/24H, time, week and plan setting, short press to confirm, turn knob button to increase and decrease the number.

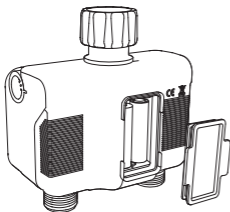
## 2.2 Specification

Rain delay	00H/24H/48H/72H
Time format	12/24H
Irrigation frequency	Monday to Sunday or any day
Irrigation duration	1min-3h 59min
Powered by	2*AA alkaline batteries (Not included)
Waterproof level	IP54
Working pressure	0.5-8 bar (7-116 psi)
Working temperature	37°F-122°F (3°C-50°C)
Water flow	1.3-9.2 GAL/min (5-35 L/min)
Water inlet	NH(US) for 3/4" faucet BSP(EU) for 3/4" or 1" faucet
Water outlet	For 3/4" standard garden hose

## 3.PRODUCT INSTALLATION

### 3.1 Installing The Batteries

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

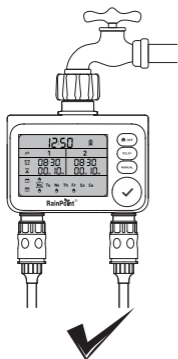


- 1) Open the battery compartment cover on the back of the timer.
- 2) Insert 2 new AA (1.5V) alkaline batteries (not included).
- 3) Put the battery compartment cover on and press firmly to ensure it is completely sealed.

#### Note:

- After installing the battery, securely install the battery compartment 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 battery indicator show low power on the display. After replace the battery, 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.

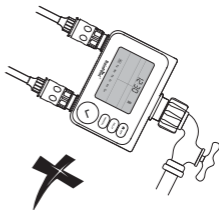
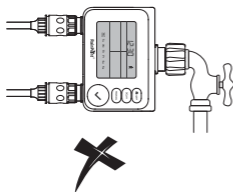
### 3.2 Installing The Timer on The Faucet

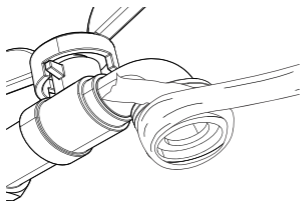


- 1) Turn off the garden faucet.
- 2) Wrap teflon tape around the faucet thread.
- 3) Screw the timer on the garden faucet so that the display is as perpendicular to the ground as possible to prevent rainwater from accumulating and leaking into the interior.
- 4) Wrap teflon tape around the threads of the timer outlets.
- 5) Screw the garden hose to the timer outlets.
- 6) Program the timer and turn on the faucet.

#### TIPS:

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

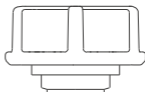
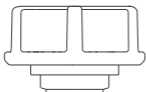




**Rubber Washer**

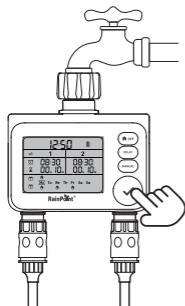




- ⊗ Please do not use tools, only install the timer by hand.
- ⊗ When expecting freezing temperatures, timers should be removed from the faucet and hose and stored indoors to avoid potential freeze damage.
- ▲ Please install the filter properly and keep it clean as follows.



### 3.3 Activate The Timer Before Use

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



- 1) Pulling out the battery compartment cover and install **2\*AA** new alkaline batteries. Then put the battery cover back to make sure it's completely secured.
- 2) Keep the garden faucet turned off.
- 3) Short press the **"MANUAL"** button to enter manual watering mode. ZONE 1 and ZONE 2 default manual irrigation duration is 00H 10M.
- 4) When the screen turns to manual watering page and the hour of ZONE 1 flashes, press the  button four times or wait for about 8 seconds to start watering manually for both ZONE 1 and ZONE 2.
- 5) After hearing two **"click"** sounds, the valves in the timer open, and then short press **"MANUAL"** or  button to close the valves.
- 6) Repeat steps 3-5 for several times.
- 7) **Test:** Turn on the faucet a little bit to check whether the water flows out or not as expected.

**If yes**, the timer valves are activated successfully, please use it with confidence.

**If not**, please repeat step 3-5 for several times, or contact us immediately for support.

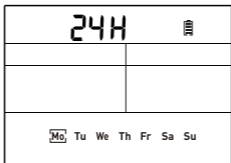
**NOTE:** When testing, please stay away from the water timer outlets to avoid being splashed and wet.


## 4.TIMER PROGRAMMING

### 4.1 Basic Setting

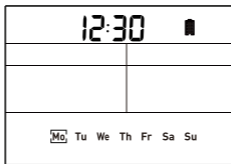
Press and hold on button  to enter time format setting.



### 12/24 HOUR FORMAT SETTING



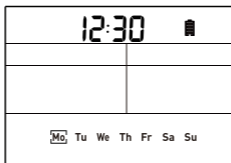
The default is **24H** format and when it flashes, turn the knob to switch time format, short press  button to confirm and enter time setting mode.

### TIME SETTING



The default is **12:30**. The hour flashes. Turn the knob button to increase or decrease the number, short press the  button to confirm. Then the minute position flashes, turn the knob button to increase or decrease the number, short press the  button to confirm and enter week setting.

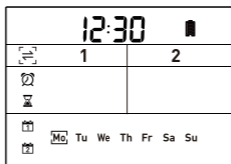
## WEEK SETTING



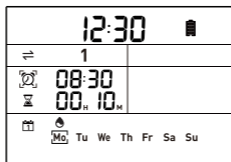
The default is **MO**. The frame of **MO** flashes. Turn the knob button to choose the day, short press the button to confirm and the frame stops flashing and it will go to ZONE select setting.



### 4.2 ZONE Setting

The default Zone 1 is blinking, rotate the knob button to switch between 1 and 2, short press (OK) to confirm and enter the **START TIME** setting.

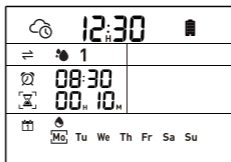




## 4.3 Set START TIME



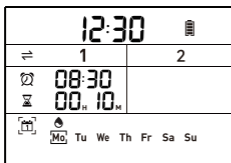
The default is **08:30**. The hour is blinking, indicating that it is in the hour setting. Adjust the time by the rotary knob button, and then short press the  (OK) to confirm and enter the minute setting. The minute is blinking. Turn the knob to adjust the minute. Short press the  (OK) button again to confirm the setting and then enter the **HOW LONG** setting.

## 4.4 Set HOW LONG

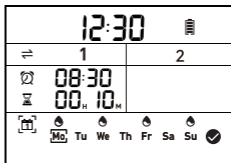


The default is **00H 10M**. The hour blinks, indicating that it is in the hour setting. Adjust the hour by rotating the knob button, then press  (OK) to enter the minute setting. The minute blinks. Turn the knob button to adjust the minute. Short press the  (OK) button again to confirm the setting and enter the **HOW OFTEN** setting.

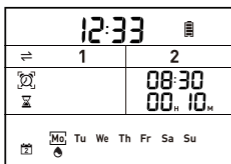
## 4.5 Set HOW OFTEN



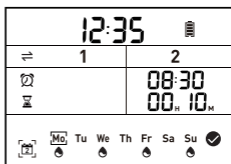
ZONE 1



ZONE 1



ZONE 2



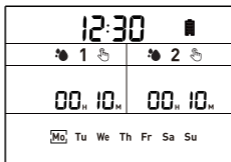
ZONE 2

- When setting watering frequency for ZONE 1 or ZONE 2, turn the knob to choose in **Mo-Su**, short press button when **Mo** is blinking, and a water drop icon appears above or under **Mo** (water drop above **Mo** is for ZONE 1 and under is for ZONE 2). Turn the knob until the icon near **Su** appears and short press button to confirm the setting and go back to main page.
- If you want to cancel the irrigation day selected, turn the knob button back to your selected day, short press button to cancel and the water drop above or under it will disappear.

**NOTE:** If neither of **Mo-Su** is selected, and neither of them has the water drop icon, then press **OFF** button and save plans, it will be watering everyday by default.

## 5. ADDITIONAL FUNCTIONS

### 5.1 Manual Watering

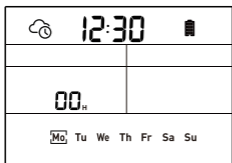


- Short press the **MANUAL** button to enter the manual watering setting. The default of ZONE 1 and ZONE 2 is **00H 10M**.
- After enter the setting, the hour of ZONE 1 blinks. Turn the knob to adjust the number and short press (OK) to confirm and switch to the minute setting of ZONE 1. The minute blinks. Turn the knob to adjust the number and short press (OK) button to switch to the hour setting of ZONE 2. The hour of ZONE 2 blinks. Turn the knob to adjust the number and short press (OK) to confirm and switch to the minute setting of ZONE 2. The minute blinks. Turn the knob button to adjust the number and short press (OK) to confirm and turn on the manual watering of both ZONE 1 and ZONE 2.

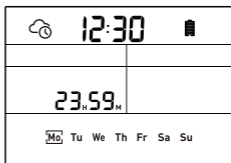
#### NOTE:

- If there is no operation for 8 seconds during the setting process, then the valve will open automatically.
- During manual irrigation operation, short press **MANUAL** button or button to close the valve and return to the main page.

## 5.2 Rain Delay



Set rain delay function



Execute rain delay function

Short press **DELAY** to enter **DELAY** setting, default **00H** blinking (no memory function here, every time you enter is **00H**). Turn the knob to switch to 00/24/48/72H, press (OK) to save and return. The delay symbol is always displayed on the left of the time.

### NOTE:

- If you do not press (OK) to save when setting, the setting will be saved automatically after 8 seconds.
- **00H** means to cancel the rain delay schedule.

## 5.3 Set ON/OFF function




🔊	
1	2
ON	OFF

Set ON/OFF function

12:30 🔊	
1	2
🕒 08:30 🕒 00:10	OFF
🔊 Mo Tu We Th Fr Sa Su	

12:30 🔊	
1	2
OFF	OFF
Mo Tu We Th Fr Sa Su	


ON/OFF function is set












- Long press  button to enter ZONE **ON/OFF** setting. The setting order is to set ZONE 1 first and then set ZONE 2.
- When setting ZONE 1, **ON/OFF** of ZONE 1 blinks. Rotate the knob button to select **ON/OFF**, short press  (OK) to confirm and **ON/OFF** stops blinking, and it enters into ZONE 2 **ON/OFF** setting. Rotate the knob button to select **ON/OFF**, short press  (OK) to confirm the setting and return to main page.

### NOTE:

When the valve is set to **OFF**, the watering plans, manual watering and delay function will not be available.

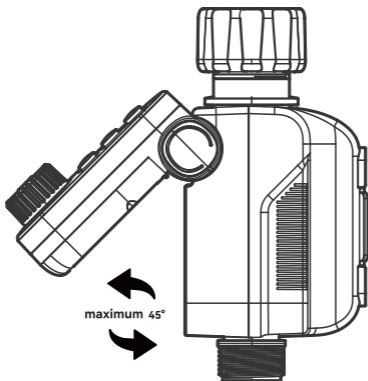
## 5.4 Battery Indicator

The battery indicator  on the screen informs you of the battery power so that you can change the battery in time when the power is low.

12:50 	
1	2
 08:30	 08:30
 80h 10m	 00h 10m
	
 Mo	Tu We Th Fr Sa Su
	 

## 5.5 Screen Angle Adjustable

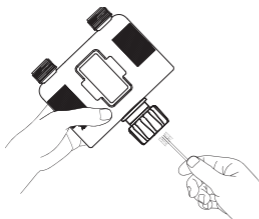
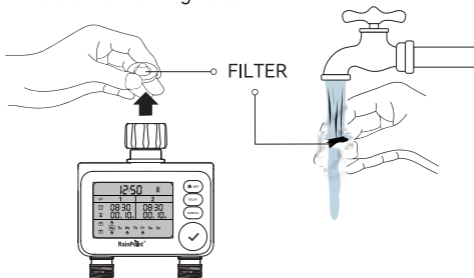
The screen can be adjusted to different angles (maximum 45 degrees) so that you can view the screen clearly in different environments.



## 6. 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 valves and check whether the water pipe of the timer is blocked. If it is blocked, please clean it gently with a small cleaning brush.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Possible Solution
Valves can't be opened or closed.	<ul style="list-style-type: none"> <li>• Long time in storage and transportation make the valves inactive.</li> <li>• Valve blockage.</li> </ul>	<ul style="list-style-type: none"> <li>• Keep the faucet turned off.</li> <li>• Run the manual watering for 5-7s and stop it.</li> <li>• Repeat the Step 2 for 3 to 5 times.</li> <li>• Try using it normally.</li> </ul>
Short battery life.	<ul style="list-style-type: none"> <li>• Mixed use of old and new batteries.</li> <li>• Use the carbon batteries or rechargeable batteries.</li> </ul>	<ul style="list-style-type: none"> <li>• Use new alkaline batteries.</li> <li>• Rechargeable batteries and carbon batteries have a short life, use the alkaline batteries instead of them.</li> </ul>
LCD screen does not display.	<ul style="list-style-type: none"> <li>• The battery is exhausted.</li> <li>• The display is exposed to direct sunlight.</li> </ul>	<ul style="list-style-type: none"> <li>• Replace new 2*AA alkaline batteries and installed correctly.</li> <li>• Avoid direct sunlight, and observe if the battery is too low.</li> </ul>

## 8. WARNINGS

- 1) Intended for outdoor use only, put in the sheltered outdoor will prolong the product lifetime.
- 2) Using tools to tighten the timer too tightly can easily cause damage. To avoid damaging the timer, please ensure to tighten it by hand instead of using a tool.
- 3) Please ensure that the filter is placed horizontally in the water inlet before installation to prevent leakage. Add a filter and some thread teflon tape if necessary for installation.
- 4) Mesh filter prevents dirt particles, prolonging the life of the water timer. Clean filter regularly and replace if 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, remove batteries, drain and store indoors to avoid freezing.
- 7) Do not use the timer which it's more than 122°F (50°C) or less than 37.4°F (3°C).
- 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.

## 9. WARRANTY

**RainPoint** provides a 1-year limited warranty against manufacturing defects in materials and workmanship. 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](mailto:service@rainpointonline.com) and we'll respond within 24 hours.

## 10. 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)

## Need Help ?



Scan the QR code for more help.  
**US toll free:** +1 833-381-5659  
(Mon-Fri: 09:30 AM-5:30 PM PST)  
**DE toll free:** +49 800-182-0576  
(Mon-Fri: 09:00 AM-5:00 PM CET)  
**UK toll free:** +44 800-808-5337  
(Mon-Fri: 09:00 AM-5:00 PM CET)  
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Cangshan District, Fuzhou, China. 350008

EMAIL: service@rainpointonline.com



Not included



Points de collecte sur [www.quefairedemesdechets.fr](http://www.quefairedemesdechets.fr)  
Privilégiez la réparation ou le don de votre appareil !