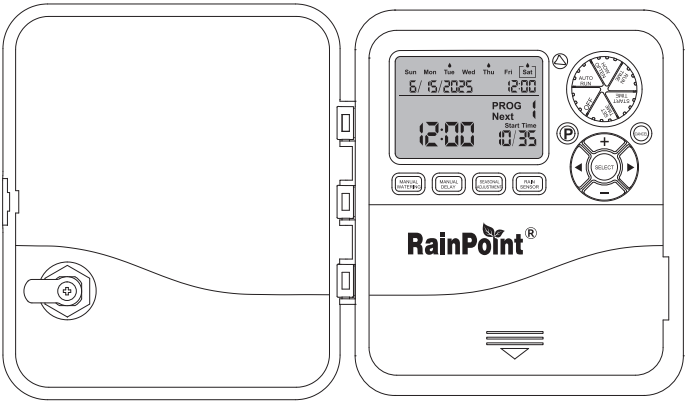
RainPoint®
More Than Water Saving

USER MANUAL

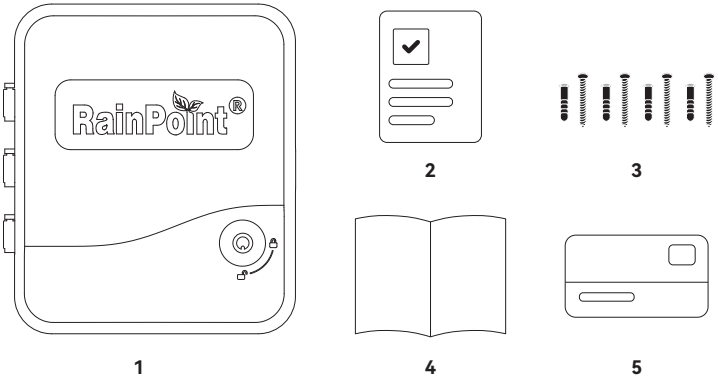
12-Zone Irrigation Controller

Model No. ITC1200



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

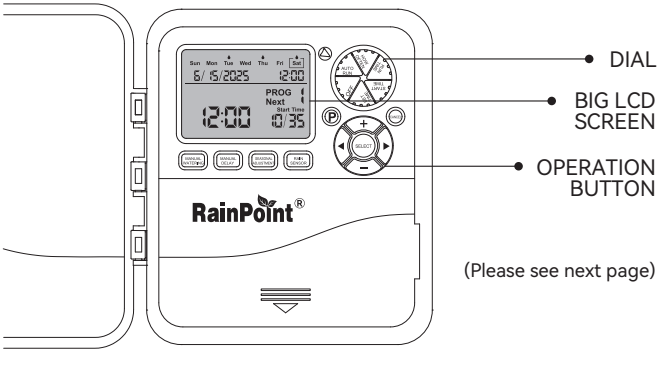
1. Contents in the box



1. 1 X ITC1200 12-Zone Irrigation Controller
2. 1 X Quick Guide
3. 4 X Screws and Expansion Bolts
4. 1 X User Manual
5. 1 X Warranty Card

2. Introduction

2.1 Product Overview



2.2 Button Introduction

BUTTON	FUNCTION
+	Increase a numeric setting
−	Decrease a numeric setting
◀	Go back to the previous setting/watering station or move to other programs/settings
▶	Skip to the next setting /watering station or move to other programs/settings
SELECT	Confirm settings
CANCEL	Restore default/clear settings
P (Program)	Switch program
MANUAL WATERING	Water manually
MANUAL DELAY	Manual delay
RAIN SENSOR	Set seasonal adjustment
SEASON ADJUSTMENT	Set the zone controlled by the rain sensor

2.3 Dial Position Introduction

DIAL POSITION	FUNCTION
AUTO RUN	Turn on automatic irrigation mode and execute the set plan
OFF	Turns off all schedules
SET TIME	Set the time and date
START TIME	Set time to begin watering
RUN TIME	Set watering duration for each station
HOW OFTEN	Set the irrigation frequency

2.4 Specification

- **Working temperature range:** 3℃~50℃ (37°F~122°F)
- **Storage temperature:** 4~122°F (-10~50° C)
- **Power supply:** 230V/120V AC

Note:

- Your controller requires a CR2032 battery to maintain your program in case of an **AC** power loss.
- A battery alone will not turn on/off the valves in your system.

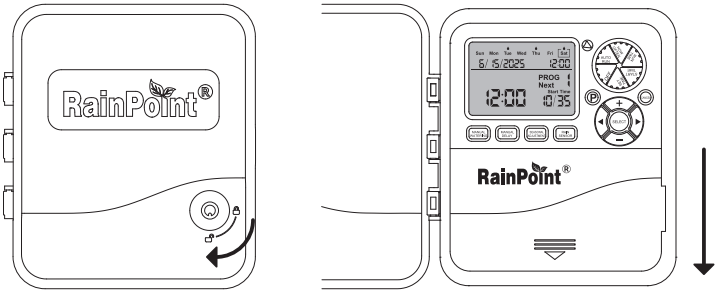
2.5 Product Features

- Connected to a normally closed rain sensor and set a specified stop irrigation zone.
- Clear LCD display and operation buttons for easy operation of the product.
- Each valve (zone) can be set up for a variety of watering plans.
- Set the delay for rainy days.
- Clear indication and button, easy to operate.
- Set up a full seasonal adjustment.

3. Installation

3.1 Battery Installation (Optional)

a. Install with a CR 2032 battery (not necessary). The steps are as follows:



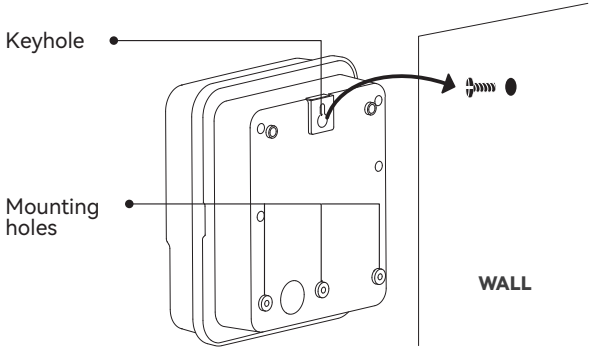
1. Turn the key to open the cover of the controller.
2. Open the middle layer cover.
3. Use a cross screwdriver to open the battery compartment cover.
4. Take out the battery compartment and insert the CR 2032 battery.
5. Put it back in the battery compartment and tighten the screw.

Note:

- Ensure the battery cover is firmly closed.
- Remove the battery for extended storage.
- Do not throw batteries into fire, they may explode or leak.

3.2 Controller installation

Mount the upper screw on the wall and hang the irrigation controller from the screw. If necessary, use the included expansion bolts. After confirming the installation position, use another screw to install through the mounting hole at the bottom of the controller.

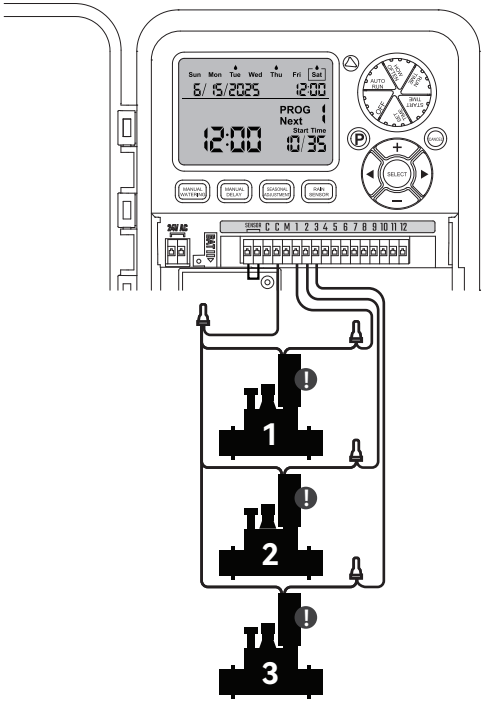


Note: Please find a suitable place near the power supply.

3.3 Wire Connections

3.3.1 Valve Wiring

Strip the appropriate length of insulation from each wire and connect the wires on the valve to the zones, one to the **C** wire and the other to the zones. Connect the wires from the transformer to the **AC** terminals, or power the irrigation controller by **AC** adaptor included.



When connecting the valve, please confirm whether the type of valve you purchased matches that of ITC1200.

TYPE	SPECIFICATION	USABLE
AC Solenoid Valve	AC: 24V, holding current<200mA	√
DC Latch Solenoid Valve	-	×
AC Motor Valve	AC: 24V	√
DC Latch Motor Valve	-	×

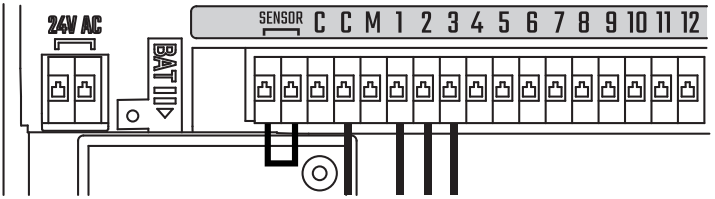
Note:

- Each zone can only be connected with one wire.
- If there is a main valve, please connect the wires to the C and M zone on the left side of all zones.
- If you are not sure about the model of the solenoid valve you have purchased, please consult the original manufacturer.

WARNING: Always disconnect the power supply before wiring to avoid electric shock.

3.3.2 Rain-Sensor Wiring (Optional)

- Remove an appropriate length of insulation from the sensor lead.
- Connect the two wires of the rain sensor to the two terminals of the **SENSOR** (non-polarized).

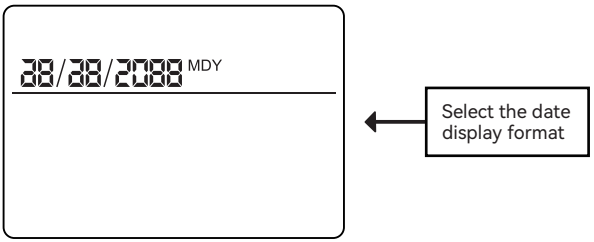


4. Operating Instructions

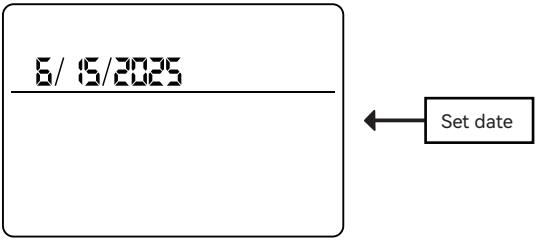
4.1 Set Date and Current Time

The default dial is **OFF**. After connecting the **AC** power cord to the product, turn the dial to **Set Time**.

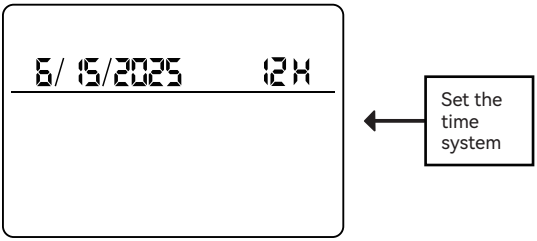
a. Press + or — to select the date format **MM/DD/YYYY** or **DD/MM/YYYY**. Press ▶ to confirm and proceed to the date setting.



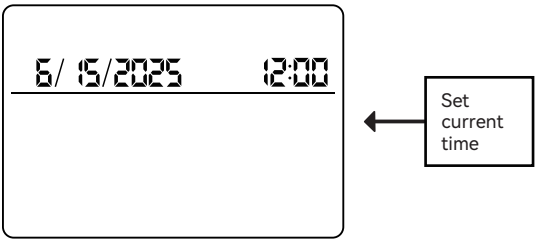
b. Press + or — to set the date. After the date is set, press ▶ to continue to the current time setting.



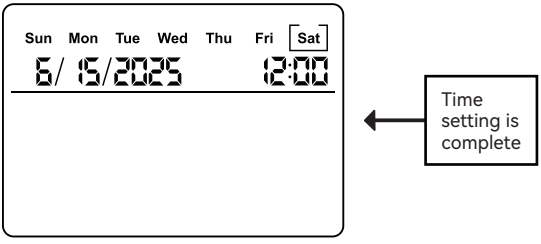
c. Press + or — to select between 12-hour / 24-hour formats. Press ▶ to confirm and proceed to the hour / minutes setting.



d. Press + or — to adjust the hour / minutes, then press ▶ to confirm.



To adjust the time again, turn the dial to **Set Time** to modify the time setting.
When the time is set, the day of the week will be displayed automatically.



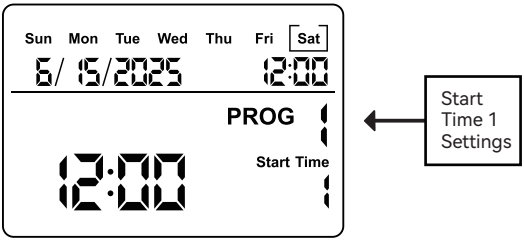
Note:

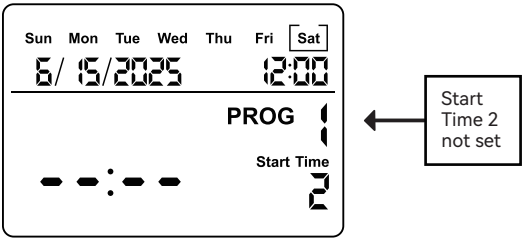
- During the setup process, pressing the left button can return to the previous level of settings for readjustment. However, after reaching the first-level settings (the initial setup), you cannot return. The same applies to the right button, once time is set, it will not proceed to the next step. When setting minutes, the minute field flashes. After setting, pressing the right button stops the minute flashing. At this point, pressing the left button restores the minute flashing, and pressing the left button again makes the hour flash, and so on.
- If the battery is installed after **AC** power failure, the program will be saved and maintained by the battery, but the switch valve will not be executed. Once the time is set, it will always appear at the top, whether in the Settings or running.

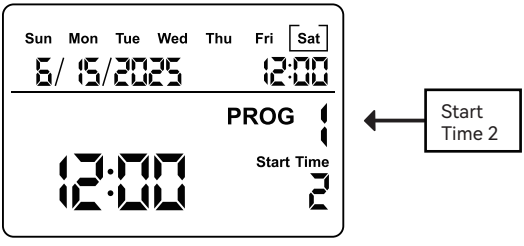
4.2 Set Start time

a. Turn the dial to **START TIME**.
b. PROGRAM 1 is displayed by default. Press **P** button to switch to PROGRAM 2 or PROGRAM 3.
c. Press **+** or **—** to set the start-time hour. Press **SELECT** to confirm and proceed to minutes, then press **+** or **—** to set the minute.
d. After one start time is set, press ▶ to move to the next start time. Each program can have a maximum of four start times.
e. To delete or reset a programmed start time, press **CANCEL** button, the time will return to **- -:- -**.

After completing the settings, turn the dial to save and proceed with the next steps.







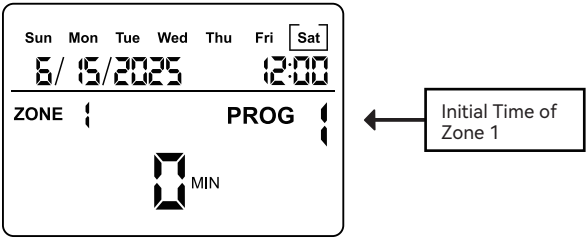
Settings complete

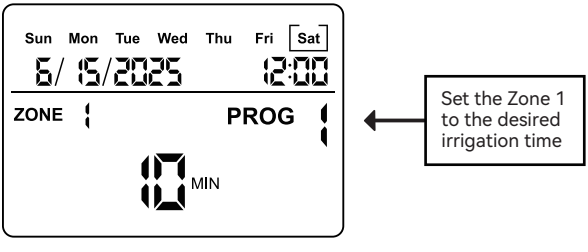
Note:

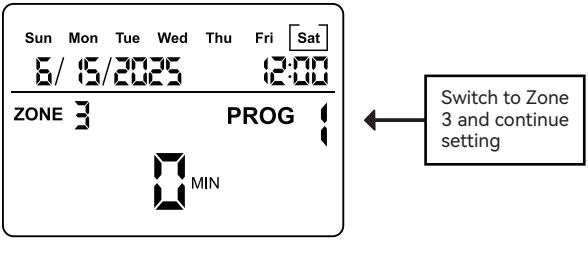
- If you want to delete/reset the set Start Time, short press the Cancel key to restore to the --:-- state, that is, the unsetting state.
- During the setup process, you can press the prog key to switch the program you want to set. Each time you switch, you will start setting from Start Time 1. In the first setup, except for the Start Time 1 of program 1, all other Start Time (including other start time of prog 1) are in the --:-- state (not set).
- If the start time of a certain prog is all set to the state of no setting but the irrigation time is set, the prog will not be opened.

4.3 Set Watering Duration

a. Turn the dial to **RUN TIME**.
b. PROGRAM 1 is displayed by default. Press **P** button to switch to PROGRAM 2 or PROGRAM 3.
c. Press + or — to set the run time (range 0 – 240 min).
d. Press ▶ to the next zone. The Zone range is 1-12 and ALL. When ALL is set, it means that all zones will execute the plan with a unified duration.







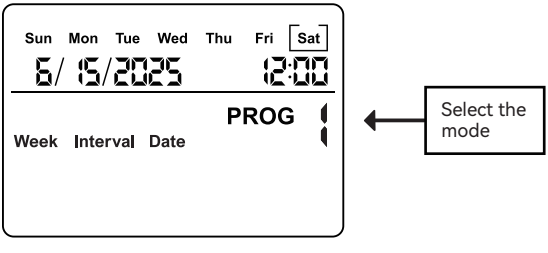
After completing the setup, turn the dial to save and proceed to the next setting.

Note:

- If you want to reset the set Run Time, short press the Cancel key to restore to 0 min.
- During the setting process, you can press the prog key to switch the program you want to set. Each time you switch, you will start the setting from Zone 1. In the first setting, all Run Time are default 0 min.
- If the run time of a prog is 0 min but Start time is set, the prog will not be opened.

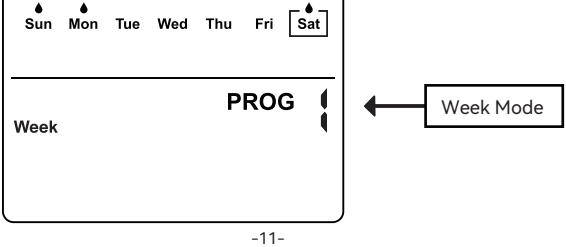
4.4 Set Watering Frequency

Turn the dial to **HOW OFTEN** to set the irrigation frequency. PROGRAM 1 is displayed by default. There are three modes of frequency can be setup: Week Mode, Interval Mode, and Date Mode. Press the **SELECT** button to confirm and enter the setting of this mode.



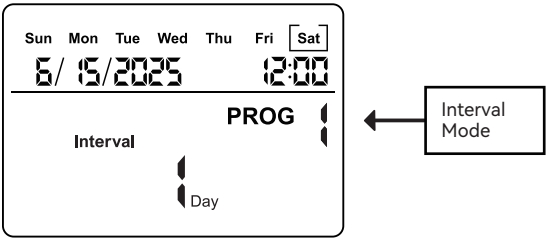
4.4.1 Week Days Watering

a. Turn the dial to **HOW OFTEN**.
b. Press **SELECT** to choose from Week.
c. Press ◀ or ▶ to scroll through the days. Press **SELECT** to mark a day (💧 icon appears). Press **SELECT** again to cancel the selection (💧 icon disappears).



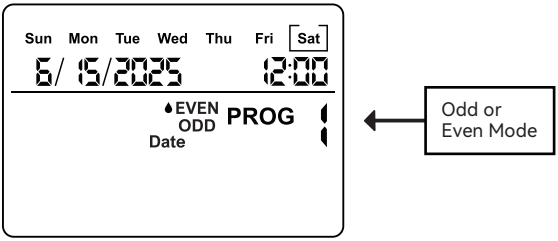
4.4.2 Interval Days Watering

a. Turn the dial to **HOW OFTEN**.
b. Press ▶ to navigate to Interval, then press **SELECT** to confirm.
c. Press + or − to set the interval days (Range 1 – 30 days).



4.4.3 Odd or Even Days Watering

a. Turn the dial to **HOW OFTEN**.
b. Press ▶ to navigate to **Date**, then press **SELECT** to confirm.
c. Press ▶ or ◀ to select between **ODD** or **EVEN**. Press **SELECT** to confirm.

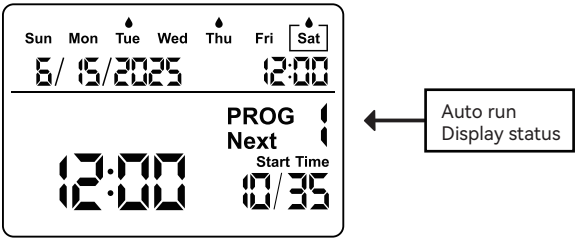


Note:

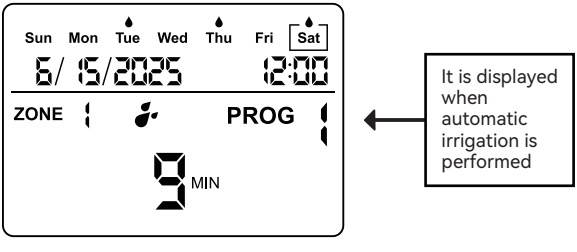
- If you want to reset the irrigation frequency, short press the Cancel key to restore to mode selection.
- During the setting process, you can press the prog key to switch the program you want to set or view. After switching, each program will start from mode selection when it is set for the first time.
- If the week mode of a prog does not select any day, the prog will not open.

4.5 Automatic operation

Turn the dial to A**UTO RUN**, and all the set plans will be executed according to the Settings. The screen displays the program, zone, irrigation date, valve opening time point, and irrigation duration of the most recent opening.



When a valve is open: on the LCD display, the irrigation date and irrigation duration will enter the countdown, and the countdown number and water droplets on the right side of the zone will flash.

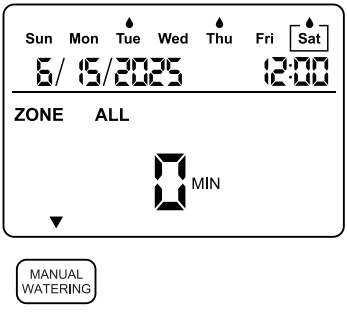


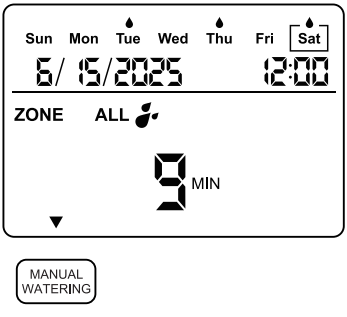
This is operable:

- **Switch:** Short press right button to immediately close the current valve opened, switch to the next valve to be opened to execute the plan, if there is no subsequent valve, then close the plan.
- **Close:** When a plan is planned, short press the Cancel button to immediately cancel the plan being executed and close all roads.

4.6 Manual Watering

In the **Auto Run** state, short-press the **Manual Watering** key to enter manual irrigation mode. At this point, a triangle icon appears in the lower left corner of the screen. The zone number and duration start flashing, with default settings of zone ALL and 0 min. Use the left and right keys to switch zones, and the + or − keys to set the duration. After setting, press the select key to activate manual irrigation mode, or it will default to on after 5 seconds without any action. Once activated, return to the main page, select the valve to open immediately, and the screen will display the countdown for irrigation and the currently irrigating zone.



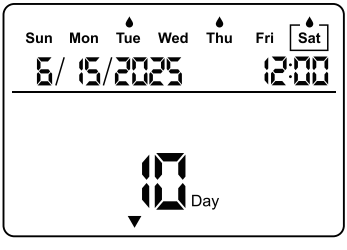


Notes:

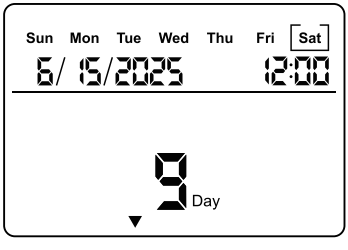
- The manual valve opening setting is set to either open one or fully open two times
- When you need to turn it off: Turning the dial to **OFF** or any position will stop the manual irrigation. Or short press the **Cancel** key to immediately cancel the plan being performed and turn off all roads.

4.7 Manual Delay

In the **Auto Run** state, short press the **Manual Delay** key to enter manual delay mode. At this point, a triangle icon pointing to Manual delay appears at the bottom of the screen, indicating the number of days for the delay. The default is 1 day, with a range of 0-30 days. Set the value using the + or − keys. After setting, press the select key to activate the manual delay mode, or it will be automatically enabled after 5 seconds if no action is taken.
After the delay is enabled, it will automatically return to the main page and start the countdown immediately. The water droplet above the week will follow the rain delay change. If the planned week is delayed, the water droplet above the week will disappear.



MANUAL DELAY

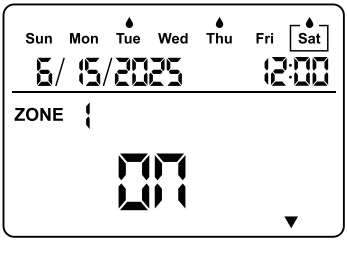


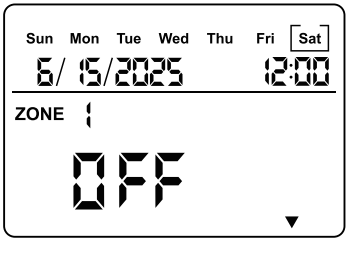
MANUAL DELAY

Note: To disable the rain delay: Short press Cancel button to cancel the delay.

4.8 Rain sensor Settings

In the **Auto Run** state, short-press the rain sensor key to enter the rain sensor settings. The rain sensor icon below will display and show **ON**, indicating that the rain sensor affects this zone. At this point, press the left or right keys to switch zones, and press the select key to set the **ON/OFF** for this zone, indicating whether it is affected by the rain sensor. After setting, press the rain sensor key again to confirm and return to the main page, or if no action is taken for 5 seconds, it will automatically save and return.
When setting, short press rain sensor to enter the setting. When zone 11 flashes and press select key, the **ON** next to rain sensor on the bottom becomes **OFF**, indicating that the feedback result of the rain sensor no longer controls or affects the zone 1 plan. If you press select again, it will become **ON** again, indicating that it will be affected by the feedback from rain sensor.



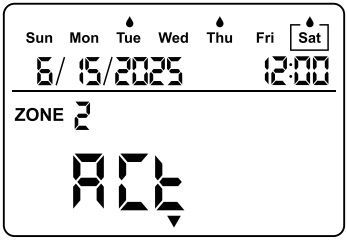


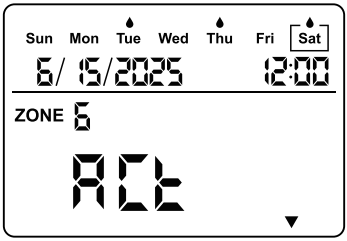
RAIN SENSOR

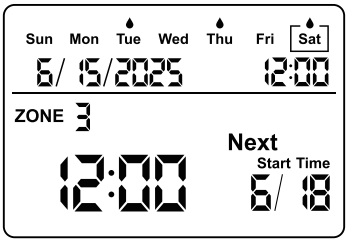
RAIN SENSOR

The rain sensor is a normally closed type. When the shorting wire is disconnected, or when the normally closed rain sensor is connected, when the rain sensor detects rain, the zone affected by the rain sensor displays **"ACT"** (active). The zone activated by the rain sensor cycles between the next irrigation time and the next 3 seconds.

Display example:



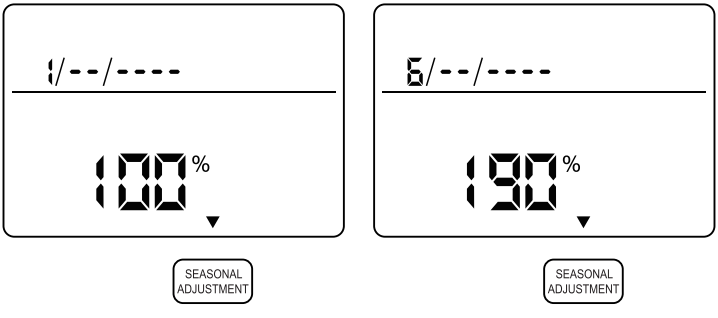




Zone 2 sets rain sense, rain sense activates Zone 6 sets rain sense, rain sense activates the next irrigation time.

4.9 Seasonal Adjustment

a. In the **Auto Run** state, short-press the **Seasonal Adjustment** key to enter seasonal irrigation settings.
b. Press ◀ or ▶ to change month.
c. Press + or — to set watering percentage according to needs, Available Range: 0%-200%
d. After completing the monthly configurations, press the **Seasonal Adjustment** button again to save and exit to the main interface, or the system will automatically save and return after 5 seconds of inactivity.



Notes:

- The adjustments take effect in real-time. The configured percentage will not be reflected in the scheduled settings. However, during irrigation execution, the system will automatically adjust the runtime of the active watering schedule. For instance, if the schedule is programmed for 10 minutes with a seasonal adjustment of 150%, the settings menu will still display 10 minutes, but the runtime countdown will show 15 minutes during operation.
- Initial default setting for all months is 100%.
- Adjustments are made in 10% increments, with a range from 10% to 200% (10%-20%-30%-.....-190%-200%).

4.10 Program Scheduling Notes

a. Within one program, zones starting at the same time run sequentially in zone order 1 → 12.
b. Programs with identical Start Times run sequentially in program order 1 → 12.
c. Manual watering does not alter stored schedules.
d. If manual watering is active when a schedule should start, that schedule is skipped.
e. Long-running schedules will be pre-empted by the next schedule in a new cycle. Example: Program set for Monday & Thursday 9 a.m., if Monday's total runtime exceeds 72 h, it stops Thursday 9 a.m. and Thursday's program starts.

4.11 Sensor Configuration Notes

a. The **SENSOR** port ships with a shorting jumper. Remove only when connecting an NC rain sensor.
b. Rain sensor affects designated zones only.

5. Troubleshooting

Problems	Possible Factors	Solution
The valve cannot be opened	The wire at the connection is loose.	Press the terminal and tighten the wire.
The plan was not implemented on time	Activate the rain delay function.	• Check if rain delay is set. • Whether the power supply is disconnected.

6. Precautions

- Tighten the screws when installing it on the wall.
- Always disconnect the power supply before wiring to avoid electric shock.

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

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

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