



Hose-end Smart Water Timer and Wi-Fi Gateway

App Enabled



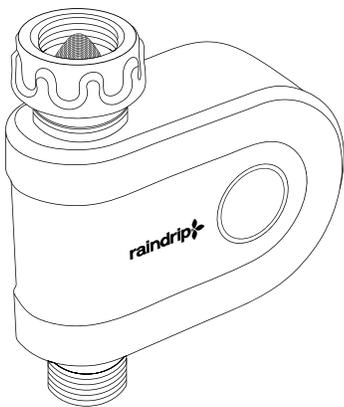
Contents

- Introduction
Page 3
- Product Overview
Page 4
- Compliance
Page 5
- Installation
Pages 6-9
- Programming
Pages 10-12
- Weather-based Watering
Pages 13-14

Introduction

Box Contents

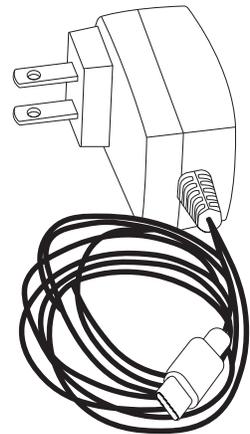
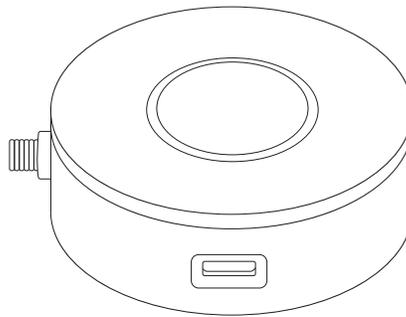
- Timer
- Gateway
- Power Adapter
- Quick Start Guide



Timer



Gateway

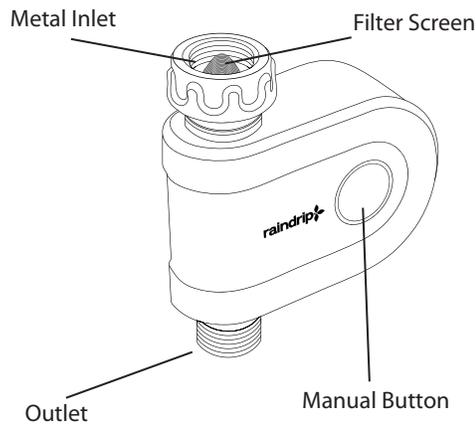


Power Adapter

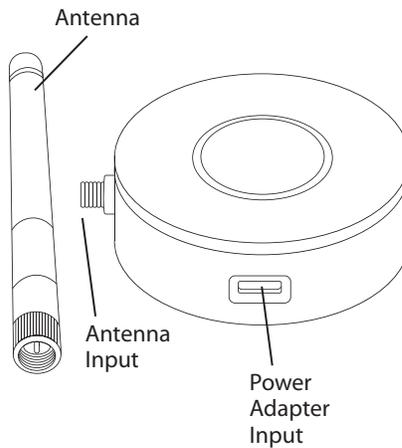
Feature Overview

- Control from smartphone or tablet using the free Raindrip app
- Automate your drip system anytime, anywhere for worry-free watering
- Make updates to your schedule with weather-based watering functions
- Stay connected with your smartphone
- Use manual watering for ultimate control

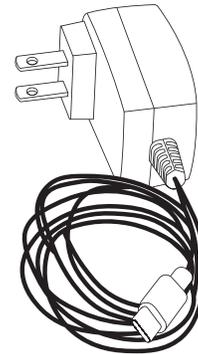
Product Overview



Timer



Gateway



Power Adapter

Specifications

TIMER SPECIFICATIONS

- Inlet Connection: ¾ in. Male Hose Thread
- Outlet Connection: ¾ in. Female Hose Thread
- Inlet Filter: 60 Mesh Stainless Steel
- Operating Temperature: 35 - 150°F (1.7 - 65°C)
- Operating Pressure: 8 - 120 PSI (0.5-8 bar)
- Flow Rate: 7.5 GPM at 100 PSI (28.5 L/min at 7 bars)
- Flow Meter Accuracy: ± 5%
- Ingress Resistant Rating: IPX-5
- Timer Power: 2 AA batteries (not included)
- Range between Gateway and Timer: 150 ft. in an open area with no interference
- Dimensions: 4.7 x 5.5 x 1.8 in. (12 x 14 x 4.5 cm)
- Weight: 0.65 lbs. (294 g)
- For outdoor use only

GATEWAY SPECIFICATIONS

- Operating Temperature: 35 - 105°F (1.7 - 40°C)
- Gateway Power: 120 volt AC (included)
- Wireless Wi-Fi Network: 2.4 Ghz
- Wireless Bluetooth: 4.2 BLE
- Range between Gateway and Timer: 150 ft. in an open area with no interference
- Dimensions: 3.8 x 2.6 in. (base) x 3.6 in. (antenna) [9.6 x 6.6 cm (base) x 9.1 cm (antenna)]
- Weight: 0.25 lbs. (112 g)
- For indoor use only

APP COMPATIBILITY

- iPhone and Android Phones (iOS 11 and higher, Android OS 6.0 and higher)

Compliance

- FCC Statement: Contains FCC ID: 2ANDL-CR3L-IPX, 2ANDL-BTU.
- These devices comply with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) the devices may not cause harmful interference, and (2) the devices must accept any interference received, including interference that may cause undesired operation.
- FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.
- Note: The devices have been tested and found to comply with the limits for a Class B digital device, according to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. These devices generate, use, and can radiate radio frequency energy and, if not installed and used following the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
- If these devices do cause harmful interference to radio or television reception, (which can be determined by turning the device off and on) the user is encouraged to try to correct the interference by one or more of the following measures:
 - Reorient or relocate the receiving antenna.
 - Increase the separation between the device and receiver.
 - Connect the device into an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/TV technician for help.
- Radio Frequency Radiation: This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device should be installed and operated with a minimum distance of 20 cm (8 in.) between the RF radiator and your body.

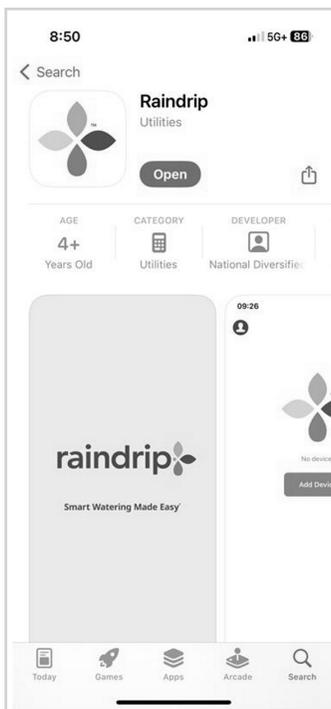


WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Installation

APP INSTALLATION

- Ensure the phone is connected to 2.4GHz Wi-Fi network
- NOTE: Select Wi-Fi networks may display 2G and 5G network options to connect to – Choose the 2G network to enable the pairing process
- Confirm that the phone has Location Services and Bluetooth turned ON during installation
- Download the Raindrip app - search for Raindrip in the Apple App Store or Google Play Store



Search for the Raindrip app



Create a Raindrip account

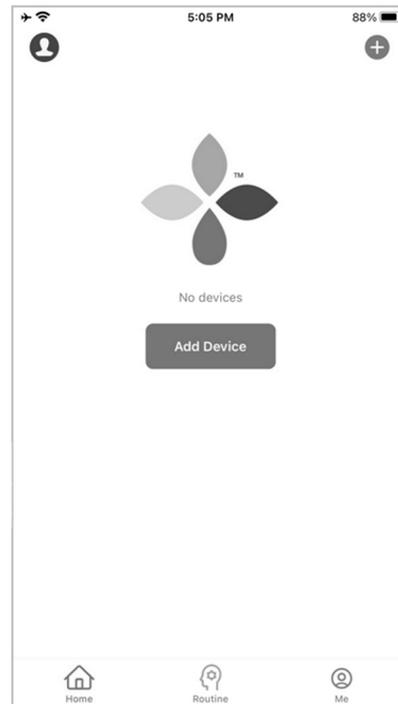
- Create a Raindrip account
- Enter a personal email account; a verification code will be sent to this email
- If the verification code does not appear in the inbox, check junk or spam email folders
- Accept permissions, and click "Go to App"

PREPARE FOR INSTALLATION

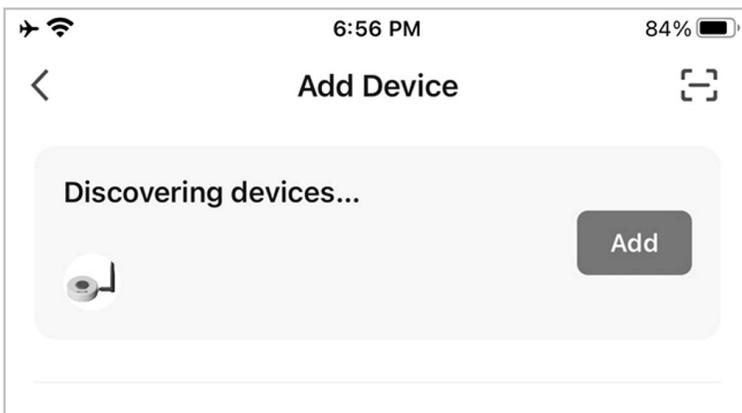
- Choose an indoor location for the gateway that is close to an electrical outlet and in range of the Wi-Fi router and timer
- Gateway should be within 150 ft. of the timer (150 ft. range is in open area without interference)
- Install 2 AA batteries and ensure the timer is near the gateway during initial pairing

PAIR THE GATEWAY

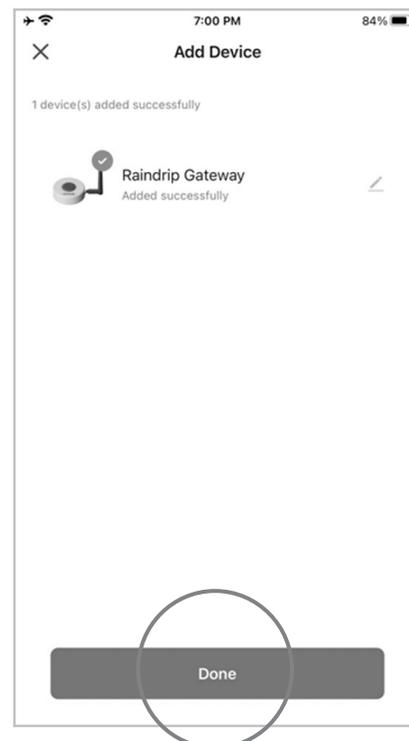
- Plug the power adapter into the gateway, then plug the pronged end into the electrical outlet
- After the gateway starts blinking, press “Add Device” in the Raindrip app



- Once the gateway shows up as a discovered device, tap “Add”

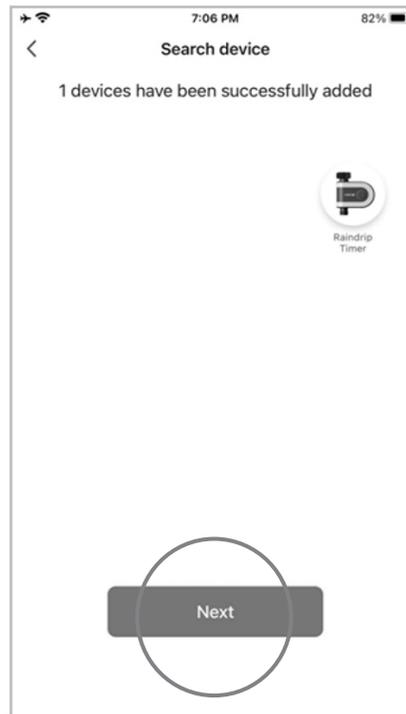
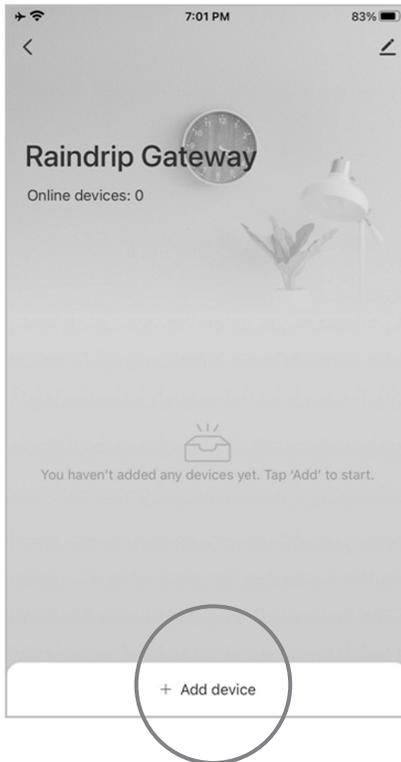


- Enter the Wi-Fi network name and password for the 2.4GHz network to which the mobile phone is connected
- Once the gateway shows as “Added Successfully,” tap “Done”



PAIR THE TIMER

- Install the 2 AA batteries into the battery tray; make sure to line up the + - directions on the batteries with the same markings in the tray
- Tap “Add Device” on the Raindrip gateway screen



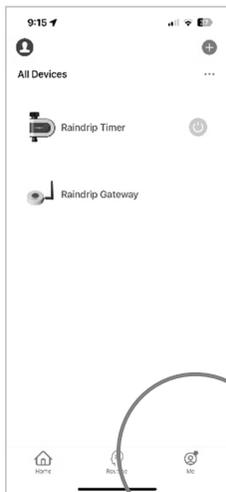
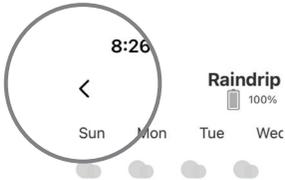
- Tap “Search for Devices”
- Ensure light is flashing on timer and tap “Light is Flashing”
- Check that batteries are inserted properly if light is not flashing
- Once the timer shows up as “Discovered,” tap “Next”
- Click “Done”



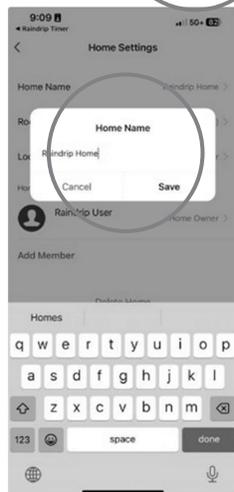
- You will be directed to the Raindrip timer control panel
- Tap “Water Now” and select “10 minutes” to start a TEST manual watering cycle. Press “confirm” and listen for a click from the timer. Look for the flashing green light to confirm connection is successful
- Tap the “Pause” button to stop manual watering; listen for the soft click to indicate the timer has stopped watering
- The timer is ready for use and can be installed on an outdoor faucet

SET UP "MY HOME"

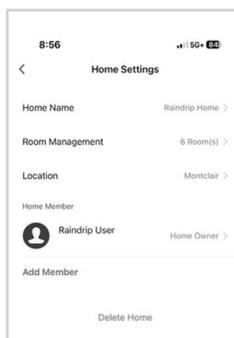
- NOTE: This is required to enable weather-based watering functions
- Go back to the home screen by clicking the back arrow in the top left corner twice



- Set up "My Home" to get local weather data
- From the home screen, click on "Me"
- Click on "Home Management"



- Click on "My Home"
- Rename "My Home" if desired

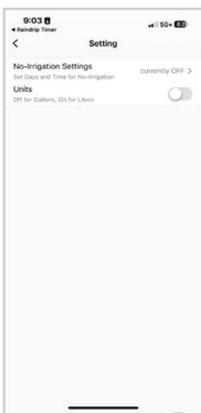


- Tap "Location"
- Confirm that the pin is at the location of the timer or type the Address, City, or Zip Code of where the timer will be located
- Click "Confirm"

Programming

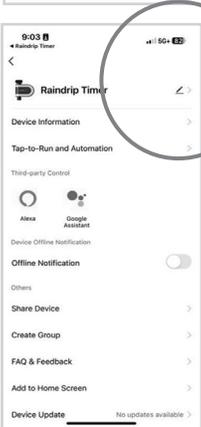
TIMER CONTROL OVERVIEW

- Water Now – enables a manual watering cycle for a duration of your choosing
 - Tap “Water Now” to choose the duration of the water cycle and tap “Confirm” to begin watering
 - If you want to stop watering before the countdown is over, tap the “PAUSE” button to stop watering
- Delay – enables a manual delay of watering, allowing you to stop any scheduled waterings for a specific time period
 - Tap “Delay” and select how long to delay watering, then tap “Confirm”
 - If you want to cancel the delay before the countdown is over, tap “Delay,” select “OFF,” then tap “Confirm”
- Schedule – program watering schedules
 - Tap the “+” to program a new schedule
- History
 - See total water consumption and watering details by week, month, or year



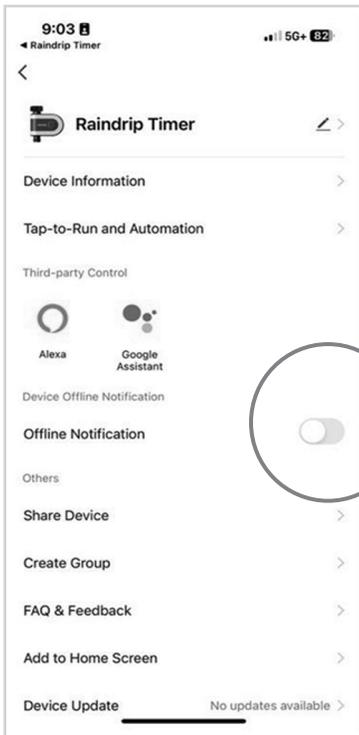
Settings

- No irrigation times - set days and times that you don't want watering to occur
- Enter Begin and End time, and set “How Often” to apply this setting
- Switch water units
 - Toggle the switch to move from gallons to liters



Rename

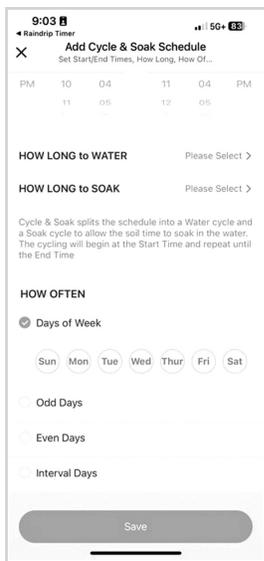
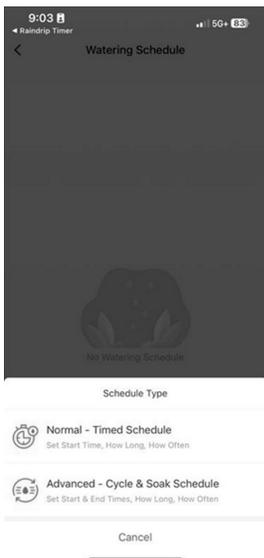
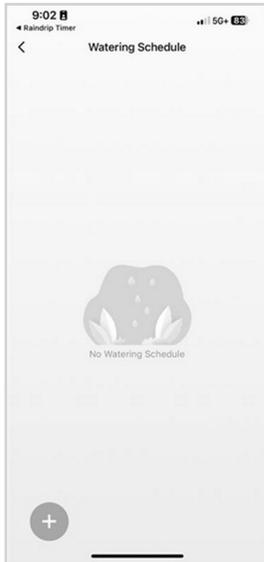
- To rename the timer, tap “Raindrip Timer” (default name), tap the pencil icon, enter the desired name, then tap “Confirm”



Device Information

- Should you require support, the Virtual ID and other information can be found here
- Offline Notifications - toggle this switch to turn ON notifications to alert you if the timer is offline
- Device Update - tap to see latest device firmware version and to start any updates





SCHEDULING INSTRUCTIONS

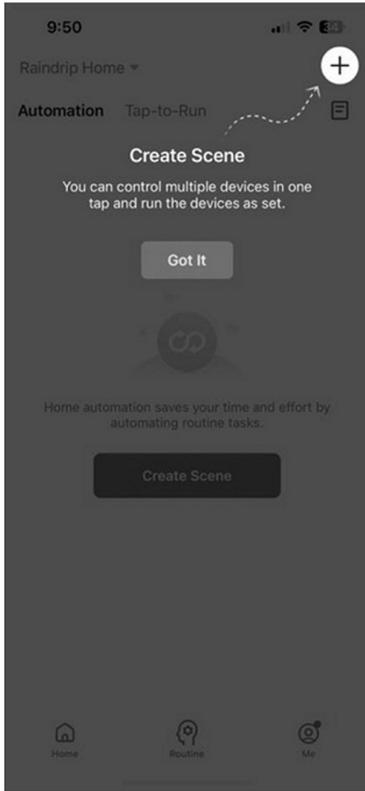
Normal - Timed Schedule - will work for most applications

- Select **Start Time, How Long to Water, How Often to Water**, then click "Save"
 - **Days of Week** will work for most applications and will water based on the days selected
 - **Odd or Even Days** will water based on the calendar day (odd = 1, 3, 5, etc.)
 - **Interval Days** option allows you to choose an interval to which watering will occur (for example, "Water every 3 days") and allows you to choose the day the interval should start (such as "Jan 28th")

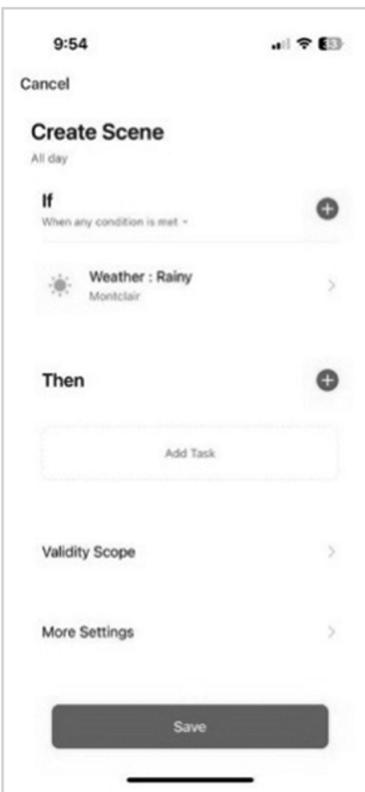
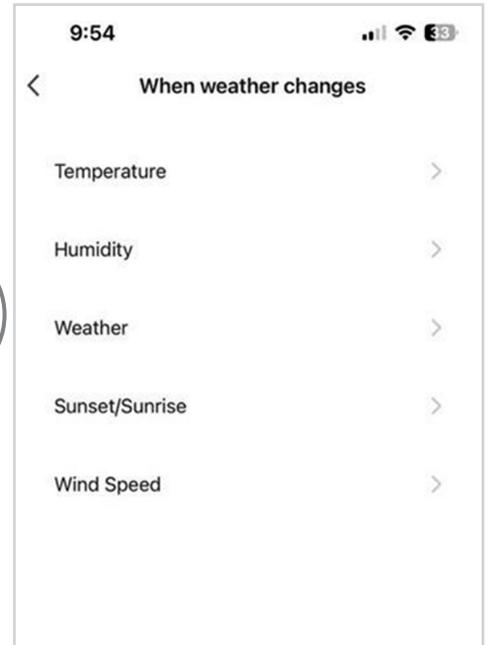
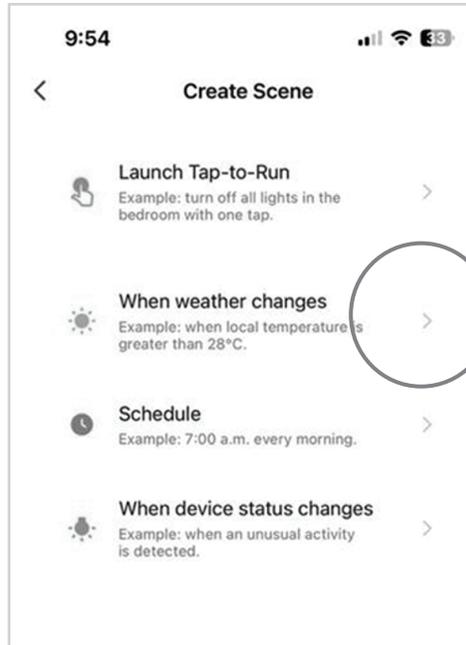
Advanced Cycle & Soak Schedule - divides irrigation runtimes into smaller intervals with short breaks in between to allow water more time to soak into the soil. This can keep more water on the landscape and saves water by reducing runoff.

- Select **Start and End Time** (for example, "Start 9 am, End 10 am")
- Select **How Long to Water** and **How Long to Soak** (for example, "Water 5 mins, Soak 10 mins")
- Select **How Often to Water** (see Normal Schedule directions above)
- Schedules can be toggled on and off from the Watering Schedule screen
- Up to 10 schedules can be created and stored
- Tip - refer to the "Settings" section on page 10 to set days and times that you don't want watering to occur
- Use directional arrows to see different time periods

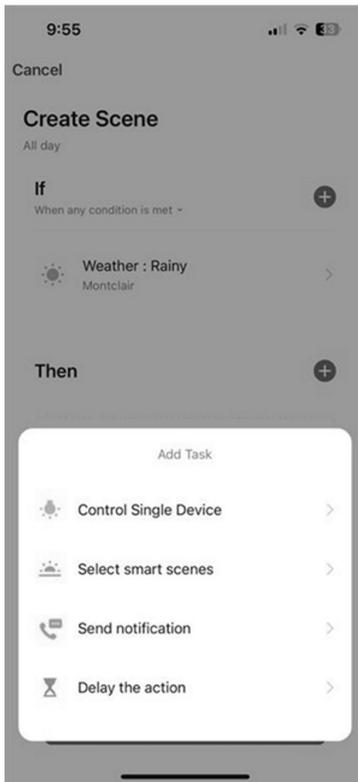
Weather-based Watering



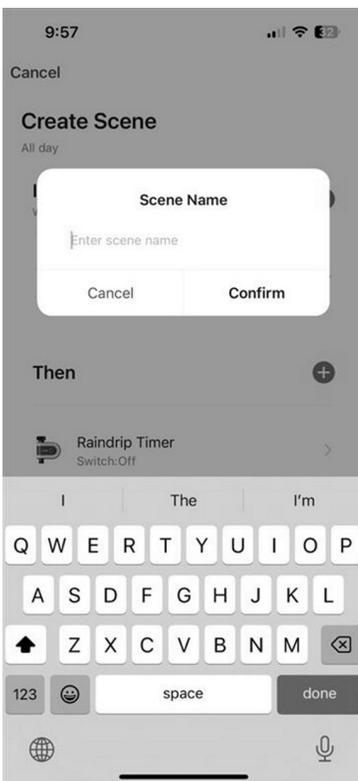
- To enable weather-based watering, set up of "My Home" data is required (See SET UP "MY HOME" section on page 9)
- Tap Routine
 - Tap "Create Scene" or tap the "+" icon in the top right corner
 - To enable weather-based watering, choose "When weather changes"



- Choose the weather parameter (Temperature, Humidity, Weather, Sunset/Sunrise, Wind Speed) upon which the routine will be based
- Choose the value or condition, then tap "Next"
- Create scene using "if, then" logic



- If – will list the value you chose in the last step
- Then – tap “+” to add the desired action
 - Tap "Control Single Device"
 - Select a device from the list
 - Tap “Switch,” choose action (Switch On will turn the timer ON)
 - Tap “Next”
- Validity scope – no choice required for basic weather-based watering functions; advanced users may require additional conditions
- More Settings – no choice required; will use cloud features by default
- Tap “Save”



- Enter a Scene Name and tap “Confirm”
- Tap “Yes” to start using the Routine
- Routines can be toggled on and off in the Routine screen
- Tap the 3 dots in the upper right to Manage Routines or view logs of automated routine events

Visit raindrip.com for more information

