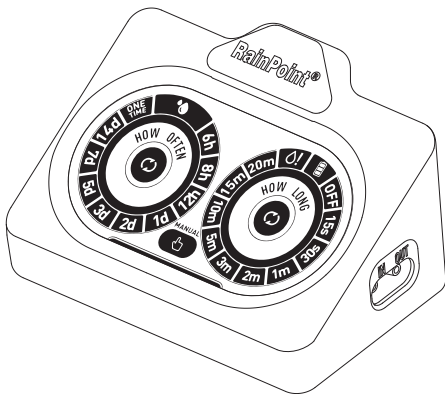


USER MANUAL

Indoor Watering Kit

Model No. IK149

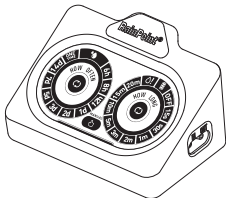


Welcome to the **RAINPOINT** family! Please read the manual before use to learn about the features and functions.

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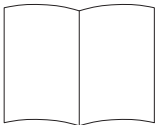
1. Contents in the box



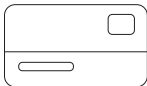
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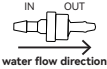


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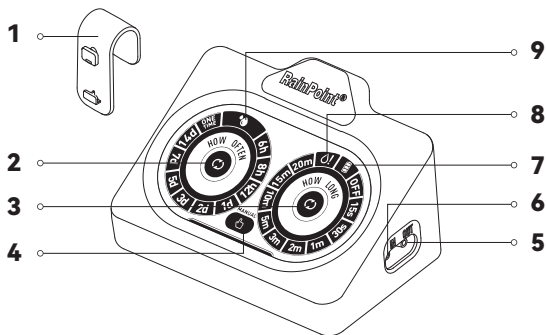
4

1. 1 X IK149 Watering Pump
2. 1 X User Manual
3. 1 X Detachable Back Mounting Hook
4. 1 X Warranty Card
5. 1 X Accessories Kit (See next page)

Accessories Included	Name	PCS	Function
	Tubing	1	Tubing for Main Line Len: 10m/32.8 ft Inner diameter: 1/6 in. (4mm)
	Tubing	1	Tubing for Branch Line Len: 3m/9.8ft Inner diameter: 1/8 in. (3mm)
	Filter	1	Filter impurities from water
	Tubing End Plug	3	Stop water flow at the end of the tubings
	Micro Drip Emitter	10	Insert into soil to water the plant root directly
	T Barb Fitting	10	Split water flow and connect tubings
	Cross Barb Fitting	1	Split water flow and connect tubings
	Anti-Siphon Valve	1	Prevent siphoning and backflow
	USB Cable	1	Power supply
	Zip Tie	10	Secure and organize tubings

2. Introduction

2.1 Product Overview



1. Detachable Mounting Hook
2. How Often Button
3. How Long Button
4. Manual Button
5. Water Outlet Port

6. Water Inlet Port
7. Battery indicator
8. Water Shortage Indicator
9. Watering Indicator

2.2 Specifications

- **Operating Temperature Range:** 3°C~50°C (37°F~122°F)
- **Powered By:** Type-C, 5V/1A
- **Flow Rate Range:** 7.93gal/Hrs (30L/Hrs)
- **Watering Duration:** 15s~20min
- **Watering Frequency:** 6Hrs~14D
- **Inlet/Outlet OD:** 0.16in (4mm)
- **Max. Head:** More than 118in (3m)

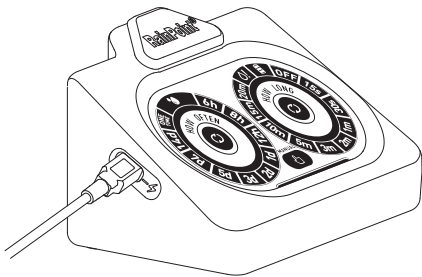
2.3 Product Features

- Dual-button control for quick and simple operation
- Eye-catching running-light LED design
- Water shortage alert
- No water tap needed
- Irrigation for up to 10 plants
- Flexible combination of different how long&how often irrigation plans
- Advanced pipeline design ensures uniform water distribution

3. Installation

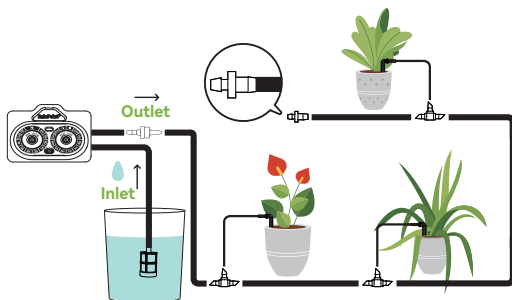
3.1 Pump Powering

- Insert the provided Type-C cable horizontally into the TYPE-C port on the pump.
- Connect the other end to a DC 5V 1A adapter (not included).



3.2 Pump Installation

- Please do not place the pump below the water level in the container to effectively avoid siphoning (siphoning can cause leakage and over-watering problems).



- Height difference between water pump and irrigation plant: the vertical height difference is 2-3m, because the water pipe can not be placed directly 100%, we suggest that the height difference between plants and pumps should not exceed 2.5m.



⚠ Pump is higher than water container over 8.2ft (250cm).

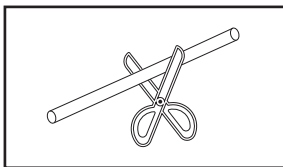


⚠ Pump is lower than water container.



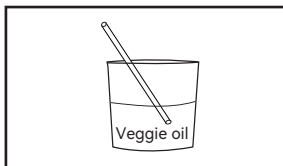
⚠ Plants are over 8.2ft (250cm) higher than the pump.

3.3 Tubing DIY Connection



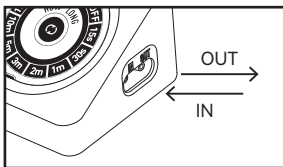
Step 1:

Plan your drip watering layout and cut the hose to desired length.



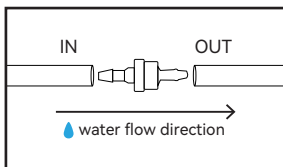
Step 2:

Immerse the hose head in hot water for 10 seconds, or apply a small amount of vegetable oil to the hose end before connecting.



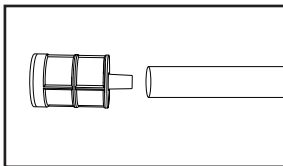
Step 3:

Connect the hose to water inlet and outlet port.



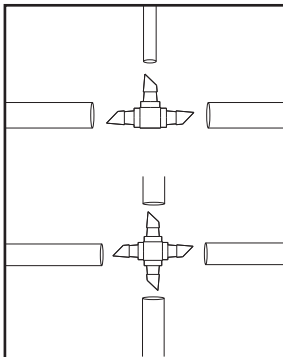
Step 4:

Connect anti-siphon valve to water outlet hose and close to pump. It will help prevent backflow and siphoning. (**Note:** The valve must be installed correctly in accordance with the flow direction.)



Step 5:

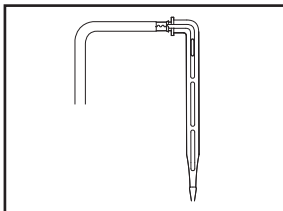
Insert filter to the other end of water inlet tubing, and put into water container.



Step 6:

Connecting the suitable barb fitting:

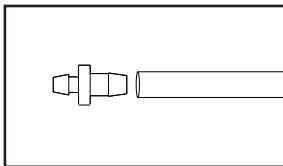
- 1) When you need to connect the hose while splitting to two ways, **you can use the "T" barb fitting.**
- 2) When you need to connect a hose while splitting to other 3 ways, **you can use the cross barb fitting.**



Step 7:

Connect micro drip emitter to the end of the pipe for each branch to provide targeted watering at the base of each plant.

Tips: Loosen the soil first, then insert emitters at least 3 inches deep, which will help water reach plant roots.



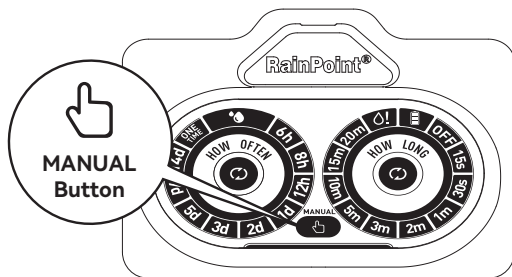
Step 8:

Install tubing end plug after water flows out from the end of the pipe to get rid of air left in the pipe.

3.4 Equipment Testing

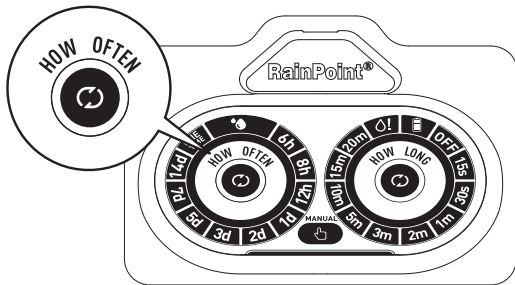
Congratulations, you have completed the connection and installation of the pump. Please test whether your pump is working properly before using it.

- Short press the MANUAL button to start the pump, and then the water will be pumped out and delivered to the plant.
- Check for leaks at the hose connection. Tighten it until the leak is sealed.
- Once the test is completed successfully, proceed to the next step: Device Settings.



4. Device Settings

4.1 Set Watering Frequency

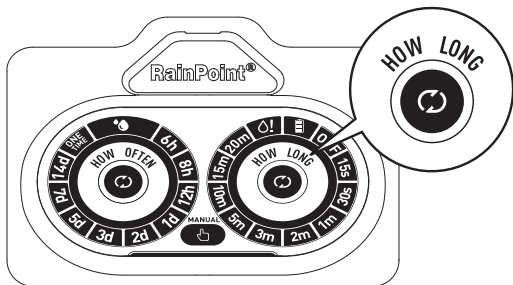


Short press **HOW OFTEN** button to cycle through LED options and select your desired irrigation frequency. **The irrigation frequency can be set:** ONE TIME, 6 h, 8 h, 12 h, 1 day, 2 days, 3 days, 5 days, 7 days, 14 days.

Note:

- **ONE TIME mode:** Runs once only. To perform another one-time watering, adjust "**How Long**" to any duration.
- **Maximum interval:** 14 days.

4.2 Set Watering Duration

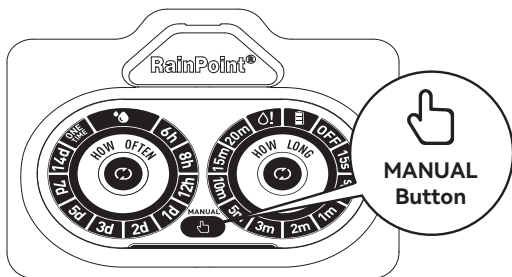


Short-press **HOW LONG** button to set your desired irrigation duration.

Available options: OFF, 15 seconds, 30 seconds, 1 minute, 2 minutes, 3 minutes, 5 minutes, 10 minutes, 20 minutes.

Note: When you turn the LED light off, the device will be in a closed state and will not perform the irrigation program.

4.3 Manual Watering



Short-press **MANUAL** button to start manual irrigation. The pump runs for the duration indicated by How Long. If How Long is OFF, the pump will not start.

4.4 Default Settings & Indicators

- By default, "How long" LED lights stay in the "OFF" mode and "How often" LED lights stay in the "ONE TIME" mode.
- When the duration and frequency are set, the green light will flash three times and stay on for two seconds to confirm. After confirmation, when the water pump is turned on, the irrigation lamp will blink intermittently. It will not blink after the completion of the plan execution.

4.5 System Alerts & Power Management

- Water shortage prompt: When water shortage is detected, you will see the water shortage light flashing, but the pump continues to work. When the pump is turned off, the red light continues to flash until water is detected during the next irrigation.
- When the solar panel is connected, the controller checks the battery level and indicates it whenever a key-press wakes the unit or a scheduled irrigation cycle starts.

Battery level >40%

- Green LED stays on.
- If there is no further operation for 1 minute, the device enters sleep mode.

Low battery

- Yellow LED stays on.
- If there is no operation for 1 minute, the yellow LED begins to flash slowly.

Critical battery

- When any key is pressed briefly, the red LED blinks twice and the pump cannot be started.

5. Troubleshooting

Problem	Possible Reason	Solutions
Uneven water flow	• Pump too far from reservoir or hose too long. • Hose joints loose.	• Place pump properly, check hose routing. • Tighten connections.
Water pipes difficult to insert or remove	More durable material	Immerse the hose head in hot water for 10 seconds, or apply a small amount of vegetable oil to the hose end before connecting.
No irrigation	• The plan was not implemented on time because of a lack of water at the inlet. • The water pump lost power and the plan was wiped out.	• Check if the container at the water inlet is short of water. • Re-program the unit.

6. Precautions

- Please tighten the tubing to the inlet and outlet port when installing to avoid leakage.
- Try to place the pump higher than the water source to avoid siphon phenomenon.

7. 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

8. 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)



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FR

ÉLÉMENTS D'EMBALLAGE
À SÉPARER ET À DÉPOSER
DANS LE BAC DE TRI



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et sa batterie
se recyclent

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EN MAGASIN



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