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RAINPOINT EU-SD001-M

RAINPOINT Automatic Drip Irrigation System

Model: EU-SD001-M

INTRODUCTION

The RAINPOINT Automatic Drip Irrigation System is designed to provide efficient and consistent watering for your indoor plants, garden, or balcony. This system features adjustable water flow, customizable watering schedules, and dual power options to ensure your plants receive optimal hydration with minimal effort. Please read this manual carefully before installation and operation to ensure proper use and longevity of your device.

WHAT'S IN THE BOX

Verify that all components listed below are included in your package:

- RAINPOINT Water Pump (1)
- 10-meter Pipe (1)
- Micro-Drippers (10)
- Water Flow Control Valves (10)
- T-Connectors (10)
- Straight Connectors (3)
- Cross Connectors (3)
- End Caps (3)
- Filter (1)
- Check Valve (1)
- USB Charging Cable (1)
- Hook (1)
- Instruction Manual (1)



Image: All components included in the RAINPOINT Automatic Drip Irrigation System package, neatly arranged on a wooden surface.

SETUP

1. System Assembly

Connect the main pipe to the pump's outlet. Cut the pipe to desired lengths for each plant. Attach micro-drippers and flow control valves to the pipe using T-connectors, straight connectors, or cross connectors as needed. Ensure all connections are secure to prevent leaks. For easier assembly, soak the ends of the tubing in warm water for a few seconds before pushing them onto connectors.

Trois types de connecteurs pour des connexions flexibles de tuyaux d'eau.



Image: Illustration of cross, T-shaped, and straight connectors for flexible pipe connections.

2. Water Source and Pump Placement

Place the pump unit near your plants and ensure the water inlet hose with the filter is submerged in a water container (e.g., a bucket or bottle). The pump can be hung using the provided hook. Ensure the water source is stable and sufficient for your watering schedule.

3. Anti-Siphon Valve Installation

Install the anti-siphon valve on the main pipe, preferably above the water level of your reservoir. This prevents water from continuously siphoning out of the reservoir when the pump is off, which can lead to overwatering and water waste.

Soupape anti-siphon améliorée

Ne vous inquiétez jamais de l'effet siphon et des fuites d'eau

RAINPOINT

- Pas d'effet de siphon
- Pas de fuite
- Aucune restriction sur l'emplacement de la pompe

AUTRES

- Refoulement d'eau
- Fuite d'eau
- La pompe doit être plus haute que le seau



Image: Illustration of the improved anti-siphon valve, preventing siphoning effect and water leaks.

4. Power Supply

The system can be powered by 4 AA batteries (not included) or via the included USB cable. For continuous operation and as a backup, it is recommended to use both power sources simultaneously. Insert batteries into the compartment, ensuring correct polarity. Connect the USB cable to a 5V/1A power adapter (not included).



Image: The device showing low battery protection and its dual power options: USB charging (cable included) and 4 AA batteries (not included).

OPERATING INSTRUCTIONS

1. Setting Watering Schedule

Use the control panel buttons (OK, Up, Down) to set the watering frequency and duration. You can set the frequency from 1 hour to 7 days and the duration from 20 seconds to 30 minutes. The large LED screen provides a clear display of your settings.

Temps d'arrosage personnalisable

Irrigation automatique, libérez vos mains.

Exemple de réglage 1 :
Maintenant : 08:00
Durée: 3 minutes
Fréquence : Toutes les 12 heures
Temps de retard : 0 heure

🌿 Jour1 08:00 / 3 mins
🌿 Jour1 20:00 / 3 mins
🌿 Jour2 08:00 / 3 mins
🌿 Jour2 20:00 / 3 mins

Exemple de réglage 2 :
Maintenant : 08:00
Durée: 3 minutes
Fréquence : tous les 2 jours
Temps de retard : 0 heure

🌿 Jour1
🌿 Jour2 08:00 / 3 mins
🌿 Jour3
🌿 Jour4 08:00 / 3 mins



Image: The system's display showing customizable watering times, with examples for setting frequency and duration.

2. Adjustable Water Flow

Each micro-dripper is equipped with a flow control valve. Rotate the blue valve to adjust the water output for individual plants, ensuring each plant receives the appropriate amount of water based on its type and size. The system supports watering up to 10 plants with a high flow rate of 24 liters per hour.

Contrôle précis de l'eau

Vous permet de régler la quantité d'arrosage pour chaque plante.

RAINPOINT

- Débit d'eau réglable
- Convient à différentes plantes

VS

AUTRES

- Débit d'eau fixe
- Convient aux plantes similaires

Image: A visual comparison highlighting RAINPOINT's precise water control with adjustable flow for different plants, unlike systems with fixed flow.

3. Manual Watering

To manually water your plants without interrupting the preset schedule, press and hold the "OK" button. You can set the manual watering duration from 20 seconds to 30 minutes. This is useful for providing extra water when needed.

Arrosage manuel

Arroser temporairement vos plantes sans interrompre le programme.



Durée:
20s-30min



Image: The device displaying the manual watering function, activated by pressing the "OK" button, with a duration of 20-30 minutes.

4. Delay Watering

If rain is expected or your plants do not require watering, you can delay the next scheduled watering cycle. This feature helps prevent overwatering and conserves water. The delay can be set from 1 to 24 hours.



Image: The device displaying the delay watering function, allowing users to postpone watering for 1-24 hours to avoid overwatering.

5. User Interface

The system features a clear LED display that shows important information such as remaining watering time, next watering time, low battery alerts, and water shortage alerts. This intuitive interface makes programming and monitoring simple.



Image: The user-friendly display interface showing alerts for low battery and water shortage, along with current and next watering schedules.

MAINTENANCE

1. Cleaning the Filter

Regularly check and clean the filter at the end of the water inlet hose to prevent blockages and ensure optimal pump performance. Rinse the filter under running water to remove any debris.

2. Checking for Leaks

Periodically inspect all pipe connections and drippers for any signs of leakage. Tighten connections as necessary. If leaks persist, ensure the pipe ends are cut cleanly and fully inserted into the connectors. Using plumber's tape on connections can help prevent leaks.

3. Battery Replacement

If using batteries, replace all 4 AA batteries when the low battery alert appears on the display. Ensure correct polarity when inserting new batteries.

4. Winter Storage

Before freezing temperatures, disconnect the system, drain all water from the pipes and pump, and store all components in a dry, frost-free location. This prevents damage from freezing water.

TROUBLESHOOTING

- **No Water Flow:**

- Check if the water reservoir is empty.
- Ensure the filter is clean and not blocked.
- Verify that the pump is powered (check batteries or USB connection).
- Confirm the anti-siphon valve is correctly installed and not causing a blockage.
- Check for kinks or blockages in the tubing.

- **Water Leaks:**

- Ensure all pipe connections are tight and fully seated.

- Re-cut pipe ends if they are uneven or damaged, then re-insert firmly.
 - Consider using plumber's tape on connections for a tighter seal.
- **Pump Not Turning On:**
 - Check battery level and replace if necessary.
 - Ensure USB cable is securely connected to a working power source.
 - If using a power bank, ensure it is not entering sleep mode and can provide continuous power.
- **Uneven Water Distribution:**
 - Adjust the individual flow control valves on each micro-dripper.
 - Ensure the water source is positioned at an appropriate height relative to the plants to minimize pressure differences.

SPECIFICATIONS

Model Number	EU-SD001-M
Product Dimensions (L x W x H)	21 x 14 x 10 cm
Weight	690 grams
Material	Plastic
Power Source	4 AA Batteries (not included) / USB (5V/1A)
Hose Length	10 Meters
Max Water Pressure	0.3 Bar
Water Flow Rate	24 Liters/Hour
Operating Temperature	0-50°C
Inlet/Outlet Diameter	4 mm
Max Plants Supported	10



Image: A detailed table outlining the technical specifications of the RAINPOINT Automatic Drip Irrigation System.

WARRANTY AND SUPPORT

RAINPOINT offers a 45-day refund policy and a 36-month replacement warranty for this product. For any questions, technical assistance, or warranty claims, please contact RAINPOINT customer support through the retailer's platform or the official RAINPOINT website. Please have your model number (EU-SD001-M) and purchase date ready when contacting support.