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RAINPOINT EU-SD001-M

RAINPOINT Automatic Watering System User Manual

Model: EU-SD001-M

INTRODUCTION

The RAINPOINT Automatic Watering System is designed to provide efficient and convenient irrigation for your indoor plants and balcony gardens. This system automates watering tasks, ensuring your plants receive optimal hydration with minimal effort. It features adjustable water volume, dual power options, and a user-friendly interface.



Figure 1: RAINPOINT Automatic Watering System connected to several potted plants, demonstrating its application.

PACKAGE CONTENTS

Before beginning installation, please verify that all components listed below are present in your package:

- 1 x Rainpoint Water Pump
- 1 x 10m Hoses (Tubing)
- 10 x Micro Droppers (Drip Emitters)
- 10 x Water Flow Control Valves (Switch Valves)
- 10 x T-Connectors (T Barb Fitting)
- 3 x Straight Connectors (Straight Barb Fitting)
- 3 x Cross Connectors (Cross Barb Fitting)
- 3 x Sealing Plugs (Tubing End Caps)
- 1 x Filter

- 1 x Check Valve (Anti-siphon device)
- 1 x USB Charging Cable
- 1 x Hook
- 1 x Instruction Manual

Was ist in der Box:

A Wasser-Pumpe * 1	B 10m Wasserrohr * 1	C USB-Kabel * 1
D Filter * 1	E Rückschlagventil * 1	F Abdichtungsende * 3
G Mikrotropfer * 10	H Wasserdurchflussregelventil * 10	I T-Verbinder * 10
J Gerade verbinder * 3	K Kreuzverbinder * 3	L Benutzerhandbuch * 1



Figure 2: Visual representation of all components included in the RAINPOINT Automatic Watering System kit.

SETUP AND INSTALLATION

The RAINPOINT Automatic Watering System is designed for straightforward installation. Follow these steps to set up your system:

1. **Prepare the Water Source:** Place the main pump unit with its intake filter into a suitable water reservoir (e.g., a bucket or large container). Ensure the water level is sufficient for your watering needs.
2. **Connect Tubing:** Attach the 10-meter hose to the pump's outlet.
3. **Distribute Tubing and Connectors:** Route the tubing to your plants. Use the T-connectors, straight connectors, and cross connectors to create a network that reaches all desired plants. Cut the tubing to appropriate lengths for each connection.
4. **Install Micro Droppers and Flow Control Valves:** For each plant, insert a micro dropper into the end of a tubing segment. Attach a water flow control valve to each micro dropper. This allows for individual adjustment of water delivery to each plant.
5. **Secure Tubing:** Use the provided hook to secure the main pump unit to the edge of your water reservoir. Ensure all connections are snug to prevent leaks.
6. **Install Anti-Siphon Device:** Integrate the check valve (anti-siphon device) into the tubing line to prevent water backflow and siphoning, which can lead to unintended water drainage.

Keine Sorge wegen des Siphon-Effekts und Wasseraustritt



Figure 3: Proper installation of the anti-siphon valve to prevent water leakage and ensure system integrity.

7. **Power the Unit:** Insert 4 AA batteries (not included) into the battery compartment or connect the system using the provided USB cable. For uninterrupted operation, both power sources can be used simultaneously.

Zwei Lademethoden

Ununterbrochener Systembetrieb gewährleisten

USB-Laden
(Kabel enthalten)



4 AA-Batterien
(nicht enthalten)



Figure 4: The system supports dual power supply via USB cable or 4 AA batteries for continuous operation.

OPERATING INSTRUCTIONS

The RAINPOINT system offers both automatic and manual watering modes.

Automatic Watering

To set up an automatic watering schedule:

1. **Set Watering Duration:** Use the control buttons on the device to select how long the system will water during each

cycle. The duration can be set from 20 seconds to 30 minutes.

2. **Set Watering Frequency:** Choose how often the system will water. Options range from every 1 hour to every 7 days.
3. **Set Delay Time (Optional):** If needed, you can set a delay time from 1 to 24 hours before the first watering cycle begins.
4. Confirm settings by pressing the "OK" button. The large LED display provides clear readability of your programmed schedule.

Automatische Bewässerung

Kümmert sich um Ihre Pflanzen, egal wo Sie sind.

 **Wie lange**
20s  30min

 **Wie oft**
1std  7 Tage

 **Verzögerungszeit**
1  24 Stunden

 **Manuelle Bewässerung**
20s  30min

Einstellungsbeispiel:

Jetzt: 08:00

Wie lange: 3 Min

Wie oft: Alle 2 Tage

Verzögerungszeit: 0 Stunde



- Tag 1 _____
- Tag 2  08:00/3 Min
- Tag 3 _____
- Tag 4  08:00/3 Min



Figure 5: The control panel allows setting watering duration (20s-30min) and frequency (1hr-7days) for automatic operation.

Adjustable Water Flow

Each micro dropper is equipped with a flow control valve, allowing you to precisely adjust the water volume delivered to individual plants. This ensures each plant receives the optimal amount of water based on its specific needs.



Figure 6: Adjust the blue valve on each dropper to control water flow, ensuring customized hydration for each plant.

Manual Watering

To initiate manual watering at any time, simply press and hold the "OK" button on the device. The system will water for a duration between 20 seconds and 30 minutes, without affecting your pre-programmed automatic schedule.

Manuelle Bewässerung

Bewässern Sie Ihre Pflanzen jederzeit.



Dauer:
20s-30min



Figure 7: Manual watering can be activated by pressing and holding the "OK" button, providing immediate hydration.

Regular maintenance ensures the longevity and optimal performance of your RAINPOINT Automatic Watering System.

- **Clean the Filter:** Periodically check and clean the intake filter to prevent blockages and ensure consistent water flow.
- **Inspect Tubing and Droppers:** Regularly inspect all tubing and micro droppers for kinks, blockages, or damage. Clear any debris that may accumulate in the droppers.
- **Water Reservoir:** Keep the water reservoir clean and free of algae or sediment to prevent system contamination.
- **Battery Check:** If using batteries, check their charge level periodically and replace them as needed to avoid interruptions in watering.

TROUBLESHOOTING

If you encounter issues with your RAINPOINT Automatic Watering System, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No water dispensed	Low water level in reservoir Clogged filter Kinked or blocked tubing Batteries depleted or USB not connected	Refill water reservoir Clean the intake filter Check and clear tubing Replace batteries or connect USB power
Uneven water distribution	Flow control valves not adjusted Partial blockage in droppers	Adjust individual flow control valves Clean micro droppers
System not turning on	No power supply Incorrect battery installation	Ensure USB is connected or batteries are installed correctly Check battery polarity
Water leakage	Loose connections Damaged tubing Anti-siphon device not installed or faulty	Tighten all tubing connections Replace damaged tubing Ensure anti-siphon device is correctly installed and functioning

SPECIFICATIONS

Feature	Detail
Brand	RAINPOINT
Model Number	EU-SD001-M
Watering Frequency	Every 1-23 hours, or every 1-7 days
Watering Duration	20 seconds - 30 minutes
Max. Plants Supported	Up to 10 potted plants
Max. Flow Rate	24 Litres per hour
Max. Pump Height (Lift Head)	3 meters

Feature	Detail
Power Supply	4 x AA Batteries (not included) or USB Cable (included)
Product Dimensions	21 x 14 x 10 cm
Item Weight	690 g

Bis zu 10 Töpfe bewässern

Tropf Wasser bis zu 24 L/H. Pflanzen in der Höhe können auch Wasser erhalten.

Durchflußmenge:

24L/H



Pumpenhöhe:

3m



Figure 8: The system is capable of watering up to 10 pots with a flow rate of 24L/H and a pump height of 3m.

WARRANTY AND SUPPORT



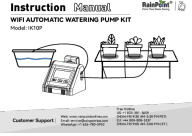
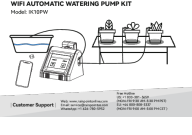
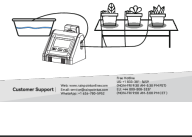
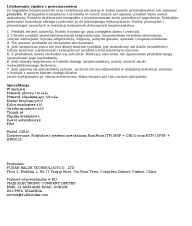
RAINPOINT offers a 36-month replacement offer for this product. For technical support, warranty claims, or any inquiries, please contact RAINPOINT customer service through the following channels:

- **Website:** www.rainpointonline.com/pages/support
- **Email:** service@rainpointonline.com
- **US Hotline:** +1 833-381-5659 (EN)
- **DE Hotline:** +49 800-182-0576 (EN, DE)
- **UK Hotline:** +44 800-808-5337 (EN)
- **WhatsApp:** +1626-780-5952



Figure 9: Contact information for RAINPOINT customer support and warranty services.

Related Documents - EU-SD001-M

 <p>USER MANUAL DIGITAL PUMP TIMER KIT Model No. ITP106</p> <p>Customer Support Email: sales@rainpoint.com Phone: +1 800 365 5852 Fax: +1 800 365 5852 Website: www.rainpoint.com</p>	<p>RainPoint ITP106 Digital Pump Timer Kit User Manual</p> <p>User manual for the RainPoint ITP106 Digital Pump Timer Kit, providing comprehensive instructions on setup, operation, troubleshooting, and warranty information for automatic garden watering systems.</p>
 <p>USER MANUAL Rainpoint Outdoor Solar Irrigation System Model No. IK15P-DLS</p>	<p>RainPoint Outdoor Solar Irrigation System User Manual IK15P-DLS</p> <p>Comprehensive user manual for the RainPoint Outdoor Solar Irrigation System, Model IK15P-DLS. Provides detailed instructions on setup, operation, functions, specifications, troubleshooting, and warranty information for efficient garden watering.</p>
 <p>Instruction Manual WiFi AUTOMATIC WATERING PUMP KIT Model: IK10P</p>	<p>RainPoint IK10P WiFi Automatic Watering Pump Kit User Manual</p> <p>User manual for the RainPoint IK10P WiFi Automatic Watering Pump Kit, detailing product features, installation, operation, troubleshooting, and warranty. This smart watering system helps automate plant care.</p>
 <p>Instruction Manual WiFi AUTOMATIC WATERING PUMP KIT Model: IK10PW</p>	<p>RainPoint IK10PW WiFi Automatic Watering Pump Kit User Manual</p> <p>Comprehensive guide to the RainPoint IK10PW WiFi Automatic Watering Pump Kit, covering setup, installation, app usage, troubleshooting, and warranty for smart indoor plant watering.</p>
 <p>Instruction Manual WiFi AUTOMATIC WATERING PUMP KIT Model: IK10P</p>	<p>RainPoint IK10P WiFi Automatic Watering Pump Kit - Instruction Manual</p> <p>Comprehensive instruction manual for the RainPoint IK10P WiFi Automatic Watering Pump Kit. Learn about product overview, package contents, technical specifications, installation, operation, troubleshooting, and warranty.</p>
 <p>Instruction Manual RainPoint Irrigation System Accessories Model: DIK10</p>	<p>RainPoint Irrigation System Accessories User Manual</p> <p>User manual for RainPoint DIK10 irrigation system accessories, including description, safety guidelines, specifications, and manufacturer details.</p>