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RAINPOINT ITP138-EU

RAINPOINT Solar Automatic Irrigation System

Model: ITP138-EU

1. INTRODUCTION

Thank you for choosing the RAINPOINT Solar Automatic Irrigation System. This system is designed to provide efficient and automated watering for your plants in gardens, balconies, and greenhouses, utilizing solar power for sustainable operation. Please read this manual carefully before installation and use to ensure optimal performance and longevity of your device.



Key features of the RAINPOINT Solar Automatic Irrigation System: 2000mAh battery, 30-day super standby, IP65 waterproof, 121 timer modes, and 45L/H flow rate.

2. SAFETY INFORMATION

Please observe the following safety guidelines to prevent injury or damage to the device:

- Ensure all connections are secure before operating the system to prevent leaks.
- Do not submerge the main control unit in water. It is water-resistant, not submersible.
- Keep the solar panel clean to ensure efficient charging.
- Do not attempt to disassemble or repair the device yourself. Contact customer support for assistance.
- Position the water source (bucket/reservoir) below or at the same level as the pump for optimal performance. The pump has

a 3-meter lift height.

- Protect tubing from sharp objects or excessive tension to avoid damage.

3. WHAT'S IN THE BOX

Verify that all components are present before beginning installation:

Cuida de tus plantas cuando no estás allí



Detailed view of all included components for the RAINPOINT Solar Automatic Irrigation System.

- 1 x Solar Water Pump (with integrated solar panel)
- 1 x Ground Stake
- 1 x Main Tube (Ø4 mm x 15 m)
- 1 x Branch Tube (Ø3 mm x 5 m)
- 1 x Filter
- 3 x Tube End Caps
- 15 x Micro Drippers
- 15 x T-Connectors
- 1 x Cross Connector
- 1 x Anti-siphon Valve
- 2 x Screws (for wall mounting option)
- 10 x Cable Ties

4. SETUP INSTRUCTIONS

- 1. Prepare Water Source:** Place a water reservoir (e.g., a bucket or tank) in a suitable location. Ensure it is filled with water.
- 2. Position the Solar Pump:**
 - Attach the ground stake to the solar pump unit.
 - Insert the stake into the ground near your plants, ensuring the solar panel faces direct sunlight for maximum charging efficiency.
 - Alternatively, use the provided screws to mount the pump unit on a wall or fence.

BIS ZU 121 ZEITMODI

Den Wasserbedarf verschiedener Pflanzen decken



Dauer:
10s-20min



Frequenz:
8 Std-30 Tage



Handbuch für so-
fortige Bewässerung

The solar panel charges the internal battery even on cloudy days, providing up to 30 days of standby power.

3. Connect the Filter and Main Tube:

- Connect one end of the main tube (Ø4 mm) to the pump's water outlet.
- Attach the filter to the other end of the main tube and place the filter into your water reservoir. Ensure the filter is fully submerged.

4. Install the Anti-siphon Valve:

Insert the anti-siphon valve into the main tube at a point higher than the water level in your reservoir. This prevents water from continuously siphoning out of the reservoir.

WARUM RAINPOINT?



The anti-siphon valve prevents accidental over-watering and backflow.

5. Distribute Tubing and Drippers:

- Lay out the main tube to reach your plants.
- Cut the main tube at desired points and insert T-connectors.
- Connect the branch tube (Ø3 mm) to the T-connectors and run it to individual plants.
- Insert a micro dripper into the end of each branch tube and place it near the base of the plant.
- Use the cross connector for parallel irrigation to ensure uniform distribution to up to 15 pots.

What's In The Box?



RAINPOINT's cross connector enables parallel irrigation for uniform water distribution to multiple plants.

6. **Secure Tubing:** Use the provided cable ties to secure the tubing and prevent kinks or dislodgement.
7. **Seal Unused Ends:** Use the tube end caps to seal any unused branch tube ends.

5. OPERATING INSTRUCTIONS

The RAINPOINT system features dual knob control for easy programming.

SOLARBETRIEBENE AUTOMATISCHE BEWÄSSERUNGSSYSTEM



1.5W Solarpanel
2000mAh Batterie



30 Tage
Super Standby



The control unit with dual knobs for setting watering duration and frequency.

1. Set Watering Duration:

Use the **"HOW LONG"** knob to select the desired watering duration per cycle. Options range from 10 seconds to 20 minutes.

2. Set Watering Frequency:

Use the **"HOW OFTEN"** knob to select how frequently the system waters. Options range from every 8 hours to every 30 days.

3. Manual Watering:

Press the central button for instant manual watering. The system will water for the duration set by the "HOW LONG" knob, then resume the programmed cycle.

4. 121 Timer Modes:

The combination of duration and frequency settings provides 121 different watering options, allowing you to customize watering schedules for various plant types and environmental conditions.

121 configuraciones temporizador
Satisfacer las necesidades de riego de diferentes plantas y estaciones

INTERIOR		
PLANTAS DE INTERIOR	FRECUENCIA	DURACIÓN
Pequeñas	Cada 3-4 días	15s
Medianas	Cada 5-7 días	40s
Grandes	Cada 7-10 días	de 2 a 3 min

EXTERIOR		
PLANTAS DE EXTERIOR	FRECUENCIA	DURACIÓN
Pequeñas	Cada 1-2 días	20s
Medianas	Cada 3-4 días	1 minuto
Grandes	Cada 5-7 días	de 3 a 5 min

Example watering schedules for indoor and outdoor plants, demonstrating the flexibility of the 121 timer configurations.

6. MAINTENANCE

- **Clean the Filter:** Regularly check and clean the water filter to prevent blockages and ensure consistent water flow.
- **Monitor Water Level:** Ensure your water reservoir always has sufficient water. The system features an LED alarm that indicates low water levels.
- **Clean Solar Panel:** Wipe the solar panel periodically with a soft, damp cloth to remove dust and debris, ensuring optimal charging.
- **Check Tubing and Drippers:** Inspect all tubing and drippers for blockages, kinks, or damage. Clean drippers if they become clogged.
- **Winter Storage:** In freezing conditions, drain all water from the system and store the pump and tubing indoors to prevent frost damage.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No water flow	<ul style="list-style-type: none">• Water reservoir empty• Filter clogged• Tubing kinked or blocked• Pump not charged	<ul style="list-style-type: none">• Refill water reservoir• Clean the filter• Check and clear tubing• Ensure solar panel is exposed to sunlight

Problem	Possible Cause	Solution
Uneven water distribution	<ul style="list-style-type: none"> • Drippers clogged • Incorrect tubing setup (e.g., no cross connector) 	<ul style="list-style-type: none"> • Clean or replace drippers • Verify parallel irrigation setup with cross connector
System not charging	<ul style="list-style-type: none"> • Solar panel dirty or obstructed • Insufficient sunlight 	<ul style="list-style-type: none"> • Clean solar panel • Relocate pump to a sunnier spot
Water siphoning continuously	<ul style="list-style-type: none"> • Anti-siphon valve not installed or incorrectly placed 	<ul style="list-style-type: none"> • Install anti-siphon valve correctly, ensuring it's above the water level in the reservoir.

8. SPECIFICATIONS

Model Number	ITP138-EU
Power Source	Solar Energy
Solar Panel	1.5 W Monocrystalline Silicon
Battery	2000 mAh Rechargeable Lithium-Ion
Standby Time	Up to 30 days
Flow Rate	Up to 45 L/h
Pump Lift Height	3 meters
Watering Duration Settings	10 seconds - 20 minutes
Watering Frequency Settings	8 hours - 30 days
Max Number of Pots	15 (with provided accessories)
Main Tube Length	15 meters (Ø4 mm)
Branch Tube Length	5 meters (Ø3 mm)
Material	Plastic, Rubber
Product Dimensions	20.3 x 18 x 12 cm
Product Weight	970 g

9. WARRANTY & SUPPORT

RAINPOINT products are designed for reliability and performance. For warranty information, technical support, or any questions regarding your Solar Automatic Irrigation System, please contact RAINPOINT customer service through the retailer where you

purchased the product or visit the official RAINPOINT website.
Please retain your proof of purchase for warranty claims.



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