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> HEKIWAY 49FT Solar Drip Irrigation Kit with Digital Screen Instruction Manual (Model: Digital Display Irrigation System-15 Pot)

HEKIWAY Digital Display Irrigation System-15 Pot

HEKIWAY 49FT Solar Drip Irrigation Kit with Digital Screen Instruction Manual

Model: Digital Display Irrigation System-15 Pot

Brand: HEKIWAY

INTRODUCTION

The HEKIWAY 49FT Solar Drip Irrigation Kit is an automatic watering system designed for both indoor and outdoor plants. It features a digital screen, 434 timer modes, and a high flow rate of 900ml/min, making plant care efficient and convenient. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your irrigation system.



Main unit of the HEKIWAY Solar Drip Irrigation Kit, showcasing the solar panel and digital display.

Key Features:

- **Indoor & Outdoor Versatility:** Designed for year-round use, with solar power for warmer seasons and Type-C charging for winter or low-light conditions.
- **434 Timer Modes:** Offers extensive customization for watering duration (1-60 minutes) and frequency (every 1-24 hours or every 1-7 days).
- **Solar & USB Dual Power:** Features a 180° rotatable bracket for optimal solar absorption and a USB-C port for charging on cloudy days.
- **Efficient Watering:** Delivers 900ml of water per minute, ensuring faster and more effective plant hydration.
- **Automatic Water Level Alarms:** Alerts you when the water source is low and stops irrigation if not refilled.

WHAT'S IN THE BOX

Your HEKIWAY Solar Drip Irrigation Kit includes the following components:

Save 70% Water Than Traditional Irrigation Up to 15 Plants



Includes 10 Sets of Watering Drip Kits



A visual representation of all included components in the kit.

- Solar Panel with Digital Display and Control Unit
- Ground Stake (x1)
- Scissors (x1)
- Mini Shovel (x1)
- Water Pipe (15m/49ft)
- Drippers (x15)
- Barb Fittings (x15)
- Water Pump Filter (x1)
- Screws (x2)
- Water Level Sensor (x1)
- USB Type-C Charging Cable

SETUP INSTRUCTIONS

Follow these steps to set up your HEKIWAY Solar Drip Irrigation Kit:

1. **Prepare the Tubing:** The tubing can be stiff. For easier connection, soak the ends of the tubing in hot water for approximately 1 minute to soften them.
2. **Connect the Water Pump Filter:** Attach one end of the water pipe to the water pump filter. This filter will be placed in your water source.
3. **Connect to the Control Unit:** Insert the other end of the water pipe (with the filter attached) into the 'IN' port on the control unit. Connect a separate piece of tubing to the 'OUT' port.
4. **Install Drippers and T-Connectors:** Cut the 'OUT' tubing at desired intervals where you want to water plants. Use the T-connectors to create branches. Attach short pieces of tubing to the T-connectors and then connect the drippers to these short pieces. Ensure the tubing is pushed as far as possible onto the connectors for a secure fit.
5. **Position the Drippers:** Insert the blue dripper stakes into the soil near the base of each plant you wish to water.
6. **Mount the Solar Panel:** Attach the ground stake to the solar panel unit. You can either stake it into the ground near your plants or use the provided screws to fix it to a wall. Ensure the solar panel is positioned to receive maximum direct sunlight. The control panel should ideally face downwards to protect it from direct rain.
7. **Place Water Level Sensor:** Connect the water level sensor to the designated port on the control unit and place it into your water reservoir.
8. **Fill Water Reservoir:** Fill your chosen water reservoir (e.g., bucket, rain barrel) with water. Ensure the water pump filter and water level sensor are fully submerged.

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Video demonstrating how to connect the tubes to the solar panel unit and drippers.

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Detailed installation and commissioning video for the digital display irrigation system.

OPERATING INSTRUCTIONS

The HEKIWAY Solar Drip Irrigation Kit offers flexible programming options to suit various plant needs.

Control Panel Overview:

Panel Indicator Diagram



You can choose one of these Timer Modes

hour 1-24 Hours

1-60 MINS

day 1-7 Days

The control panel features an ON/OFF button, day/hour selection, water drop symbol for duration, and water level indicator.

Setting Watering Modes:

The system offers 434 customizable timer modes. You can set the watering frequency and duration:

- **Frequency:** Every 1-24 hours or every 1-7 days.
- **Duration:** 1-60 minutes per watering cycle.

Easy to Use Customize 434 Timer Modes

Accurately meet the watering needs of your plants



Frequency(1-24 Hours) (1-30 Days)	Watering Time (1-30Mins)	Total Volume
1 Hour	1 min	900ML
2 Hour	5 min	4.5L/1.1 Gal
3 Hour	10 min	9L/2.37 Gal
...
23 Hour	15 min	13L/3.56 Gal
24 Hour	20 min	18L/4.75 Gal
1 Day	3 min	900 ML
2 Day	5 min	4.5L/1.1 Gal
3 Day	10 min	9L/2.37 Gal
...
6 Day	15 min	13L/3.56 Gal
7 Day	20 min	18L/4.75 Gal

eg:02 H 20 M-watering every 2 hours for 20 minutes

eg:02 D 20 M, watering every 2 days 20 minutes

Example table of watering modes, showing frequency, duration, and estimated water volume.

Programming the Timer:

- 1. Turn On:** Press the ON/OFF button to activate the system.
- 2. Set Frequency (Day/Hour):** Long press the "OK/SEL" key to switch between "D" (days) and "H" (hours). Use the "+" or "-" buttons to adjust the desired time interval.
- 3. Set Duration (Minutes):** Long press the "OK/SEL" key again to switch from "H" to "M" (minutes) mode. Use the "+" or "-" buttons to set the watering duration.
- 4. Save Settings:** Long press the "OK/SEL" key to save your settings. The "H" and "M" modes will become steady once saved.

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Video tutorial on how to program the watering timer for specific days and minutes.

Starting Time of Watering Mode:

- You do not need to set a specific starting time. The machine will automatically start the timer once you set the watering mode.
- If you turn the machine off after setting the watering mode, the starting time will reset. The machine will restart the timer from the moment it is turned on again.

- The machine will retain the watering mode settings even if turned off, but not the specific starting time.

MAINTENANCE

Water Level Alarms:

The system is equipped with automatic water level alarms. When the water level in your reservoir falls below the alarm line, the timer will sound an alarm to remind you to add water. If water is not added after the alarm ends, the drip irrigation will stop to prevent the pump from running dry.



Visual explanation of the automatic water level alarm system.

Filter Cleaning:

Regularly check and clean the water pump filter to ensure optimal performance and prevent blockages in the tubing and drippers.

Winter/Indoor Use:

During winter or extended periods of low sunlight, charge the unit via the Type-C port to ensure

continuous operation for your indoor plants.

Safety Precautions:

- Always follow the instructions provided with the product to ensure safe and proper use.
- Keep the water source valve closed when not in use.
- Do not leave the system unattended while watering.
- In case of leaks, turn off the water source immediately and contact customer support.

TROUBLESHOOTING

If you encounter any issues with your HEKIWAY Solar Drip Irrigation Kit, refer to the following table for common problems and solutions:

Buzzer	Pilot Lamp	Fault Description	Recovery Measures
Every 20 second interval, short beep 3 times	Green light flashing	Water shortage, water level probe exposed to the water surface	Add water and place the water level probe at low water level
-	Battery light flashing	Low battery	Solar panel charging, Type-C port charging
-	-	Automatic screen shutdown when not working	Click any button to light up the screen
-	No display	Out of battery	Wait for sunlight to charge, or automatic recovery of charging after Type-C port working condition

SPECIFICATIONS

Feature	Detail
Brand	HEKIWAY
Model Name	Digital Display Irrigation System-15 Pot
Hose Length	49 Feet (15 meters)
Number of Pieces	15 (for drippers)

Feature	Detail
Power Source	Solar Powered (with USB Type-C charging option)
Control Type	Timed Watering Control (434 modes)
Flow Rate	900ml/min
Material	Plastic
Item Weight	1.5 Pounds
Special Features	Solar drip irrigation system, Digital Display, Automatic Water Level Alarm

WARRANTY AND SUPPORT

Specific warranty details for this product are not provided in the available information. Please refer to the product packaging or contact HEKIWAY customer service for warranty information.

For technical support or further assistance, please refer to the contact information provided with your product or visit the official HEKIWAY website.