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TRJZWA HAWT80001D

TRJZWA Solar Sprinkler Timer User Manual

Model: HAWT80001D

1. Introduction

Thank you for choosing the TRJZWA Solar Sprinkler Timer. This device is designed to automate your garden watering, offering convenience and water conservation. Featuring solar and USB-C charging, multiple watering modes, and a durable, waterproof design, it provides an efficient solution for your irrigation needs. Please read this manual carefully before use to ensure proper operation and longevity of your timer.

2. Safety Information

- Do not submerge the timer in water. The IP55 rating protects against splashes and rain, but not immersion.
- Ensure all connections are tight to prevent leaks.
- Keep out of reach of children.
- Operate within recommended water pressure limits (up to 116 PSI).
- Do not attempt to disassemble or repair the unit yourself. Contact support if issues arise.

3. Package Contents

Verify that all items are present in your package:

- TRJZWA Solar Sprinkler Timer (Model: HAWT80001D)
- User Manual
- Brass Inlet Connector
- USB-C Charging Cable (optional, for supplementary charging)

4. Product Overview



Figure 4.1: Front view of the TRJZWA Solar Sprinkler Timer, showing the solar panel, display, and control buttons.



Figure 4.2: Detailed view of the timer's components, including dimensions, solar panel, display, buttons, filter, and brass inlet.

4.1 Components

- **Solar Panel:** Charges the internal 2000mAh lithium battery.
- **High-Resolution Display:** Shows time, battery level, watering status, and programming settings.
- **Control Buttons:** For navigation and setting adjustments.
- **Water Inlet:** Connects to your water faucet (features a durable brass inlet).
- **Water Outlet:** Connects to your garden hose or irrigation system.
- **USB-C Port:** For supplementary charging, especially on prolonged cloudy days.

4.2 Display and Buttons

The timer features a clear, high-definition screen and intuitive physical buttons for easy operation.



Figure 4.3: Close-up of the timer's high-definition screen and physical buttons with bold font for easy readability.

- **Left/Right Arrows (L/R):** Navigate through menu options.
- **Up/Down Arrows:** Adjust values or switch modes.
- **OK Button:** Confirm selections.
- **Back Button:** Return to the previous screen or cancel an action.

5. Setup

5.1 Initial Charging

Before first use, it is recommended to fully charge the timer. Place the timer in direct sunlight for several hours, or use the provided USB-C cable to charge it. The battery indicator on the display will show the charging status.



Figure 5.1: The timer's solar panel efficiently charges the internal 2000mAh battery. USB-C charging is also available.

5.2 Installation

1. **Connect to Faucet:** Screw the brass inlet connector of the timer onto your outdoor water faucet. Ensure a tight, leak-free connection.
2. **Connect Hose:** Attach your garden hose or irrigation system to the water outlet at the bottom of the timer.
3. **Positioning:** Position the timer so that the solar panel receives adequate sunlight for optimal charging.

6. Operating Modes

The TRJZWA Solar Sprinkler Timer offers three primary operating modes: Automatic, Manual, and Rain Delay.

6.1 Automatic Watering Mode

This mode allows you to set a recurring watering schedule based on specific days, start times, durations, and intervals.



Figure 6.1: The display showing settings for automatic watering, including clock, start time, frequency, and duration.

6.2 Manual Watering Mode

For immediate, unscheduled watering, use the manual mode. This allows you to water on demand without affecting your programmed automatic schedule.



Figure 6.2: A user manually watering plants with the TRJZWA timer attached to the faucet.

6.3 Rain Delay Function

To conserve water and prevent overwatering during rainy periods, activate the rain delay. This function pauses your automatic schedule for a specified number of days (1-9 days).



Figure 6.3: The timer display indicating the rain delay function, which can be set for 1-9 days.

7. Programming

Follow these steps to program your TRJZWA Solar Sprinkler Timer:

1. **Set Current Time:**
    - Press the 'OK' button to enter the main menu.
    - Navigate to 'Set Clock' using the arrow buttons and press 'OK'.
    - Adjust the hour and minute using the Up/Down arrows, confirming each with 'OK'.
2. **Set Automatic Watering Schedule:**
    - From the main menu, navigate to 'Auto Mode' and press 'OK'.
    - **Select Watering Days:** Use the Left/Right arrows to select days of the week, and Up/Down arrows to enable/disable. Press 'OK' to confirm.

- **Set Start Time:** Adjust the desired start time for watering.
- **Set Watering Duration:** Specify how long watering should occur (e.g., 1 minute to 23 hours 59 minutes).
- **Set Watering Interval:** Define the frequency of watering (e.g., every 1 hour, every 2 days).
- Confirm all settings with 'OK' to save the program. The timer supports up to 10 programs.

3. **Activate Manual Watering:**
   - From the main screen, press the 'L' button to initiate manual watering.
   - Watering will begin immediately. Press 'L' again to stop manual watering.
4. **Set Rain Delay:**
   - From the main screen, navigate to the 'Rain Delay' option using the arrow buttons.
   - Press 'OK' and use the Up/Down arrows to select the number of delay days (1-9).
   - Confirm with 'OK'. The timer will pause scheduled watering for the selected period.

8. Maintenance

8.1 Cleaning

- Wipe the exterior of the timer with a soft, damp cloth. Do not use abrasive cleaners.
- Regularly check and clean the filter screen located at the water inlet to prevent blockages.

8.2 Storage

- During winter months or extended periods of non-use, disconnect the timer from the faucet and hose.
- Drain any remaining water from the unit.
- Store the timer in a dry, frost-free location.

9. Troubleshooting

Problem	Possible Cause	Solution
Timer not watering	Low battery; Faucet off; Program error; Rain delay active.	Charge battery; Open faucet fully; Check program settings; Deactivate rain delay.
Water leakage	Loose connections; Damaged O-ring/washer.	Tighten connections; Replace O-ring/washer.
Display not working	Battery depleted; Unit malfunction.	Charge battery; Contact customer support.
Solar charging ineffective	Insufficient sunlight; Solar panel dirty.	Relocate timer to direct sunlight; Clean solar panel.

10. Specifications

- **Model:** HAWT80001D
- **Brand:** TRJZWA
- **Color:** Orange
- **Material:** Polypropylene

- **Product Dimensions:** 5.9"D x 2.1"W x 4.6"H
- **Item Weight:** 0.83 Pounds (13.3 ounces)
- **Battery:** Built-in 2000mAh Lithium Battery
- **Charging:** Solar Power & USB-C
- **Water Pressure:** Up to 116 PSI
- **Waterproof Rating:** IP55
- **Number of Settings:** 5 (referring to main programming parameters)



Figure 10.1: The timer features a durable brass inlet and IP55 waterproof design for outdoor use.



Figure 10.2: The timer is designed to withstand water pressure up to 116 PSI without breakage.

11. Warranty and Support

TRJZWA products come with a standard manufacturer's warranty. For specific warranty details, please refer to the product packaging or contact TRJZWA customer service. If you encounter any issues or have questions regarding your Solar Sprinkler Timer, please contact our support team via the contact information provided on the TRJZWA official website or through your purchase platform.

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