Claber 8487

Claber 8487 Tempo Hybrid Digital Solar Powered Water Timer

User Instruction Manual

1. INTRODUCTION

The Claber Tempo Hybrid Digital Solar Powered Water Timer (Model 8487) represents a new generation of ecological, versatile, and reliable irrigation control. This innovative device utilizes an integrated photovoltaic panel to harness solar energy, ensuring sustainable operation. A 1.5V AA alkaline battery (not included) provides essential backup power, guaranteeing functionality in all weather conditions.

Designed for immediate use, the Tempo Hybrid offers exceptional flexibility and ease in managing your irrigation needs. Its backlit display ensures optimal legibility, providing complete control over all timer operations. This timer is built for reliable, hassle-free performance and can be connected to a rain sensor device (sold separately) to automatically interrupt and resume programs based on rainfall.

2. SAFETY INFORMATION

- Read all instructions carefully before operating the device.
- Do not immerse the timer in water.
- Ensure all connections are secure to prevent leaks.
- Protect the timer from freezing temperatures by disconnecting and storing it indoors during winter.
- Use only the specified 1.5V AA alkaline battery for backup power.
- Keep out of reach of children.

3. PACKAGE CONTENTS

Please check the package to ensure all items are present:

- Claber 8487 Tempo Hybrid Digital Solar Powered Water Timer
- Instruction Manual (this document)

Note: A 1.5V AA alkaline battery is required for backup operation and is not included.

4. PRODUCT OVERVIEW

Familiarize yourself with the components of your Claber Tempo Hybrid water timer:

Image: The Claber 8487 Tempo Hybrid Digital Solar Powered Water Timer. This black unit features a clear, hinged protective cover over a blue backlit digital display. The display shows time, day of the week, and programming details. Below the display is a photovoltaic solar panel. To the right of the display are control buttons, including 'PROG. MANUAL' and directional arrows. The unit has a threaded connector at the top for faucet attachment and a threaded outlet at the bottom for a hose connection.

- **Digital Display:** Shows time, program status, and settings.

- **Control Buttons:** Used for navigation, setting programs, and manual operation.

- **Photovoltaic Panel:** Solar panel for primary power generation.

- **Battery Compartment:** Located on the back, for the 1.5V AA backup battery.

- **Faucet Connector:** 3/4" female connector with pivoting ring for easy attachment to a faucet.

- **Hose Outlet:** Threaded connection at the bottom for garden hose.

- **Protective Cover:** Clear, hinged cover to protect the display and buttons.

5. S ETUP

5.1. Battery Installation

While the timer is solar-powered, a battery is essential for backup operation and initial setup in low light conditions.

1. Locate the battery compartment on the back of the timer.
2. Open the compartment cover.
3. Insert one new 1.5V AA alkaline battery, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

5.2. Connecting to Faucet and Hose

1. Screw the timer's 3/4" female faucet connector onto your outdoor faucet. The pivoting ring allows for easy access and optimal solar panel orientation.
2. Ensure the connection is hand-tight to prevent leaks. Do not overtighten.
3. Attach your garden hose to the threaded outlet at the bottom of the timer.
4. Open your faucet fully. The timer is designed to operate under full water pressure.

6. OPERATING INSTRUCTIONS

6.1. Initial Power-up and Display

Upon battery installation or sufficient solar exposure, the display will activate. The backlit display provides clear visibility of settings.

6.2. Setting Current Time and Day

Before programming, set the current time and day for accurate scheduling.

1. Press the **MODE** button (or equivalent, refer to button labels on your unit) to enter the time setting mode.
2. Use the **UP**/**DOWN** arrow buttons to adjust the hour, then press**OK**/**SET** to confirm.
3. Repeat for minutes.
4. Adjust the current day of the week (e.g., Monday, Tuesday) using the arrow buttons and confirm.

6.3. Programming Watering Cycles

The timer allows for up to 4 starts a day with watering cycles ranging from 5 seconds to 89 minutes. It offers maximum flexibility for weekly irrigation scheduling.

1. Press the **PROG** button to enter programming mode.
2. Select the desired program number (e.g., P1, P2, P3, P4) using the arrow buttons and press**OK**/**SET**.
3. Set the *start time* for the program using the arrow buttons and confirm.
4. Set the *watering duration* (from 5 seconds to 89 minutes) using the arrow buttons and confirm.
5. Select the *days of the week* for this program to run. You can choose specific days or daily operation. Confirm your selection.
6. Repeat for additional programs as needed.
7. Exit programming mode by pressing the**PROG** button again or waiting for the display to return to the main screen.

6.4. Manual Mode Operation

The manual mode allows you to start watering immediately without altering your programmed settings.

1. Press and hold the**MANUAL** button (or equivalent, often labeled 'PROG. MANUAL' with a 3-second hold indication) for approximately 3 seconds.
2. The display will show the manual watering duration. Use the arrow buttons to adjust the desired

duration.

3. Press **OK/SET** to start manual watering.

4. To stop manual watering prematurely, press the**MANUAL** button again.

6.5. Rain Sensor Connection (Optional)

The timer is equipped to connect with a compatible Claber rain sensor device (sold separately). This feature automatically interrupts the selected program in the event of rain and resumes it when the rain has stopped, conserving water.

1. Locate the rain sensor port on the timer (refer to your rain sensor's manual for specific connection details).

2. Connect the rain sensor cable to the port.

3. Ensure the rain sensor is placed in an area where it can accurately detect rainfall.

7. MAINTENANCE

7.1. Cleaning

- Wipe the exterior of the timer with a soft, damp cloth.

- Do not use abrasive cleaners or solvents.

- Ensure the solar panel is kept clean and free of debris for optimal charging.

7.2. Winterization

To prevent damage from freezing temperatures:

- Before the first frost, disconnect the timer from the faucet and hose.

- Remove the AA battery.

- Drain any remaining water from the timer.

- Store the timer in a dry, protected area where temperatures remain above freezing.

7.3. Battery Replacement

Replace the 1.5V AA alkaline battery annually or when the low battery indicator appears on the display to ensure continuous backup power.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Timer display is blank or dim.	Low battery or insufficient solar charge.	Replace AA battery. Ensure solar panel is clean and exposed to direct sunlight.
Timer not watering at programmed times.	Incorrect program settings; faucet off; low water pressure; rain sensor active.	Verify program start times, durations, and days. Ensure faucet is fully open. Check water supply. If using a rain sensor, ensure it is dry.
Water leaking from connections.	Loose connection; damaged washer.	Tighten connections by hand. Check and replace rubber washers if damaged.

Problem	Possible Cause	Solution
Cannot program the timer.	Incorrect mode; buttons not responding.	Ensure you are in programming mode. Check battery level. Try removing and reinserting the battery to reset.

9. SPECIFICATIONS

- **Model Number:** 8487

- **Power Source:** Integrated Photovoltaic Panel (Solar), 1 x 1.5V AA Alkaline Battery (backup, not included)

- **Watering Cycles:** Up to 4 starts per day

- **Watering Duration:** 5 seconds to 89 minutes

- **Faucet Connection:** 3/4" Female Thread with Pivoting Ring

- **Dimensions:** 10.92 x 8.38 x 16.26 cm (L x W x H)

- **Weight:** 467.2 g

- **Color:** Black

- **Manufacturer:** Claber

- **UPC:** 088243084872

10. WARRANTY AND SUPPORT

10.1. Warranty Information

The Claber 8487 Tempo Hybrid Digital Solar Powered Water Timer comes with a **2-Year Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

10.2. Customer Support

For further assistance, troubleshooting not covered in this manual, or warranty inquiries, please contact Claber customer support through their official website or the retailer where the product was purchased. Always have your model number (8487) and purchase details ready when contacting support.