

Restmo O-HTB-1A-GN

Restmo Programmable Water Timer User Manual

Model: O-HTB-1A-GN

INTRODUCTION

Thank you for choosing the Restmo Programmable Water Timer. This device is designed to automate your watering schedule for gardens, lawns, and other outdoor irrigation needs. It features automatic, manual, and rain delay modes, and is suitable for various water pressure systems, including low-pressure and gravity-fed setups. Please read this manual carefully before installation and operation to ensure proper use and longevity of your product.

SAFETY INFORMATION

- Do not immerse the timer in water.
- Ensure the battery compartment is dry before installing batteries.
- Use only new alkaline AA batteries. Do not mix old and new batteries or different battery types.
- Remove batteries if the timer will not be used for an extended period.
- Keep out of reach of children.
- Operate within the specified water pressure and temperature ranges.

PRODUCT OVERVIEW

The Restmo water timer features a large LCD display and an intuitive rotary dial for easy programming. It is designed with a robust ball valve mechanism for reliable operation.



AUTO	Timer schaltet nach voreingestellten Programmen ein/aus
OFF	Timer ist ausgeschaltet
SET CLOCK	Einstellen der aktuellen Zeit
START TIME	Einstellen, wann die Bewässerung beginnen soll
HOW LONG	Einstellen der Bewässerungsdauer
HOW OFTEN	Einstellen der Bewässerungshäufigkeit
DELAY	Bewässerung verzögern
+	Taste "Erhöhen"
-	Taste zum Verringern
M	Timer schaltet manuell ein/aus
OK	Bestätigen der Einstellungen

Bewässerungshäufigkeit: 1 bis 23 Stunden, 1-7 Tage

Dauer der Bewässerung: 1 Min. bis 4 Std. 59 Min.

Arbeitsdruck: 0-120PSI(0-8Bar)

Maximale Durchflussmenge: 10GPM(35LPM)

Arbeitstemperatur: 38- 120°F(3 - 50°C)

Batterie 2×AA Alkaline-Batterien (nicht enthalten)

Image Description: A detailed view of the Restmo water timer, showing its LCD screen, rotary dial, and control buttons. The image highlights the dimensions (11.0cm height, 12.0cm width, 5.5cm depth) and provides a legend for the dial positions and buttons. The dial positions include SET CLOCK, START TIME, HOW LONG, HOW OFTEN, AUTO, and OFF. Buttons are labeled M (Manual), + (Increase), - (Decrease), DELAY, and OK (Confirm). This image helps users identify each part and understand its function.

Key Features:

- **Ball Valve Design:** Ensures reliable operation even at zero water pressure, ideal for rain barrels and gravity-fed systems.
- **Multi-functional Control:** Offers Automatic, Manual, and Rain Delay watering modes.
- **Easy Programming:** Large rotary knob and clear LCD display for straightforward setup.
- **Wide Application:** Suitable for garden hoses, outdoor faucets, lawn sprinklers, greenhouse misting, and more.
- **Durable:** IP54 waterproof and leak-proof construction.

SETUP

1. Battery Installation

1. Ensure your hands are dry.
2. Remove the battery compartment from the back of the timer.

3. Insert two new AA alkaline batteries, observing the correct polarity (+/-).
4. Securely replace the battery compartment cover.

EINFACHER EINBAU



- 1 Befeuchten Sie die Batterie und das Batteriefach NICHT. Halten Sie Ihre Hände trocken.



- 2 Befestigen Sie den Timer an Ihrem Wasserhahn.



- 3 Befestigen Sie den Schlauch an der Unterseite der Zeitschaltuhr.



Image Description: This image illustrates the three main steps for setting up the Restmo water timer. Step 1 shows a hand inserting AA batteries into the timer's battery compartment. Step 2 depicts the timer being screwed onto an outdoor faucet. Step 3 shows a garden hose being connected to the bottom outlet of the timer. The image emphasizes keeping hands dry during battery installation.

2. Connecting the Timer

1. Attach the timer securely to your outdoor faucet or spigot. Ensure a tight connection to prevent leaks.
2. Connect your garden hose or irrigation system to the outlet at the bottom of the timer.

OPERATING INSTRUCTIONS

Use the large rotary dial to navigate through the settings and the '+', '-', 'M', 'DELAY', and 'OK' buttons to adjust and confirm.

1. Set Current Time (SET CLOCK)

1. Turn the rotary dial to **SET CLOCK**.
2. Use the '+' and '-' buttons to adjust the current hour and minute.
3. Press **OK** to confirm each setting.

2. Program Automatic Watering

This mode allows you to set a specific start time, duration, and frequency for watering.



Image Description: This image displays the automatic watering settings on the Restmo timer's screen. It shows "HOW LONG" (watering duration) can be set from 1 minute to 4 hours 59 minutes, and "HOW OFTEN" (watering frequency) can be set from 1 hour to 23 hours, or 1-7 days. The timer is shown connected to a faucet with a hose, indicating it's ready for operation.

1. Turn the rotary dial to **START TIME**. Use '+' and '-' to set the desired start time for watering. Press **OK**.
2. Turn the rotary dial to **HOW LONG**. Use '+' and '-' to set the watering duration from 1 minute to 299 minutes (4 hours 59 minutes). Press **OK**.
3. Turn the rotary dial to **HOW OFTEN**. Use '+' and '-' to set the watering frequency from 1 hour to 23 hours, or 1 day to 7 days. Press **OK**.
4. Finally, turn the rotary dial to **AUTO**. The timer will now operate according to your programmed schedule.

3. Manual Watering

For immediate, unscheduled watering.



Image Description: This image demonstrates how to activate manual watering and rain delay. The top part shows that when the dial is on AUTO and not in DELAY mode, pressing the 'M' button activates manual watering, allowing adjustment of duration. The bottom part shows that when the dial is on AUTO, pressing and holding the 'DELAY' button for 3 seconds activates the rain delay function, displaying the remaining delay time.

1. Ensure the rotary dial is set to **AUTO**.
2. Press the **M** button. The display will show a default manual watering duration.
3. Use the '+' and '-' buttons to adjust the manual watering duration (1 to 299 minutes).
4. Press **OK** to start manual watering. The timer will water for the set duration and then return to the automatic schedule.
5. To stop manual watering prematurely, press **M** again.

4. Rain Delay Function

Temporarily suspend your watering schedule due to rain or other reasons.

1. Ensure the rotary dial is set to **AUTO**.
2. Press and hold the **DELAY** button for approximately 3 seconds.
3. Use the '+' and '-' buttons to select the delay duration: 12, 24, 48, or 72 hours.
4. Press **OK** to confirm. The timer will pause watering for the selected period and resume the

programmed schedule afterward.

5. To cancel the rain delay, press and hold the **DELAY** button again for 3 seconds.

5. Turn Off (OFF)

To completely stop all watering functions, turn the rotary dial to **OFF**.

MAINTENANCE

- **Cleaning:** Wipe the timer with a damp cloth. Do not use abrasive cleaners or immerse in water.
- **Battery Replacement:** Replace batteries when the low battery indicator appears on the LCD screen. Always use new AA alkaline batteries.
- **Winter Storage:** Before the first frost, disconnect the timer from the faucet and hose. Remove the batteries and store the timer indoors in a dry, frost-free location.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Timer does not turn on/display is blank.	Dead or incorrectly installed batteries.	Replace with new AA alkaline batteries, ensuring correct polarity.
Water does not flow.	Faucet is off; timer is in OFF mode; low battery; clogged filter.	Ensure faucet is open. Turn dial to AUTO. Replace batteries. Check and clean the inlet filter.
Timer leaks from connections.	Loose connection; missing or damaged washer.	Tighten connections. Ensure rubber washers are properly seated and not damaged.
Watering schedule not starting.	Timer not in AUTO mode; incorrect program settings; rain delay active.	Turn dial to AUTO. Review and adjust START TIME, HOW LONG, and HOW OFTEN settings. Cancel rain delay if active.

SPECIFICATIONS

Model Number	O-HTB-1A-GN
Dimensions (L x W x H)	4 x 10 x 10 cm (approx. 1.6 x 3.9 x 3.9 inches)
Weight	320 grams (approx. 0.7 lbs)
Water Pressure Range	0 - 120 PSI (0 - 8 Bar)
Working Temperature	38 - 120°F (3 - 50°C)
Watering Duration	1 minute to 299 minutes
Watering Frequency	1 hour to 23 hours, or 1 day to 7 days
Flow Rate	1 - 10 GPM (3.7 - 37.8 LPM)

Power Source	2 x AA Alkaline Batteries (not included)
Waterproof Rating	IP54
Inlet/Outlet Size	3/4" GHT (Garden Hose Thread)

WARRANTY AND SUPPORT

Restmo products are designed for reliability and performance. For warranty information, technical support, or customer service inquiries, please refer to the contact information provided with your purchase or visit the official Restmo website. Please have your model number (O-HTB-1A-GN) ready when contacting support.