

AQUA CONTROL C4099N

Aqua Control Irrigation Programmer C4099N User Manual

Model: C4099N | Brand: AQUA CONTROL

1. INTRODUCTION

The Aqua Control C4099N Irrigation Programmer is designed to automate your garden watering system, providing convenience and efficiency. This device allows you to set precise watering frequencies and durations, adapting to the specific needs of your plants and garden. Its robust design ensures reliable performance and ease of use.



Figure 1: Front view of the Aqua Control C4099N Irrigation Programmer.

2. SAFETY INFORMATION

- Always use **alkaline batteries**. Do not use rechargeable batteries.
- Never attempt to recharge non-rechargeable batteries.
- Ensure the battery compartment is securely sealed to prevent water ingress.
- The programmer requires a minimum water pressure of **1 bar** and can withstand a maximum of **8 bar** for proper operation. It can open at 0 bar, making it suitable for water containers.
- Keep out of reach of children.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Aqua Control C4099N Irrigation Programmer
- User Manual (this document)





Figure 2: The Aqua Control C4099N Irrigation Programmer as packaged.

4. PRODUCT FEATURES

The Aqua Control C4099N offers a range of features designed for optimal watering control:

- **High-Quality Materials:** Constructed for extended product life.
- **Internal Ball Mechanism:** Ensures reliable water inlet opening and closing.
- **Control Panel Cover:** Provides enhanced protection from water and elements.
- **Waterproof Battery Compartment:** Features a bilabial seal to prevent water from entering the internal circuit.
- **Delay Function:** Allows delaying the start of watering from 1 to 12 hours.
- **Selectable Frequency:** Options include every 1, 2, 3, 4, 5, 6, 8, 12, 24, 48, 72 hours, or once a week.
- **Selectable Duration:** Watering times of 1, 2, 3, 5, 10, 15, 20, 30, 60, 90, or 120 minutes.
- **Manual Operation:** Ability to manually open and close the water flow.
- **Ergonomic Selector Switches:** Designed for easy operation and secure grip, even with wet hands.
- **Safety Mechanism:** Prevents opening when batteries are depleted.





Figure 3: The programmer with its protective cover open, revealing the control dials.

5. SETUP

5.1 Battery Installation

1. Locate the battery compartment on the back of the programmer.
2. Carefully open the waterproof battery compartment cover.
3. Insert **2 x 1.5V AAA alkaline batteries**, ensuring correct polarity (+/-).
4. Securely close the battery compartment cover, ensuring the bilabial seal is properly seated to maintain waterproofing.

5.2 Installation to Tap

1. Screw the top connector of the programmer onto your outdoor tap. Ensure a tight, leak-free connection.
2. Connect your garden hose or irrigation system to the bottom outlet of the programmer.
3. Ensure the tap is fully open to allow sufficient water pressure for the programmer to operate correctly (minimum 1 bar).



Figure 4: The irrigation programmer correctly installed on a garden tap.

6. OPERATING INSTRUCTIONS

6.1 Setting Watering Frequency

Rotate the left dial, labeled 'Frecuencia' (Frequency), to select how often you want the watering cycle to occur. Options include:

- Every 1, 2, 3, 4, 5, 6, 8, 12, 24, 48, 72 hours
- Once a week (indicated by a clock icon)

6.2 Setting Watering Duration

Rotate the right dial, labeled 'Duración' (Duration), to select the length of each watering cycle. Options include:

- 1, 2, 3, 5, 10, 15, 20, 30, 60, 90, or 120 minutes

6.3 Delay Function

The programmer features a delay function. After inserting batteries, the programmer takes the exact time as the start time. You can delay the start of the first watering cycle from 1 to 12 hours using the 'Delay' button (if available, or by adjusting the start time through battery insertion).

6.4 Manual Operation

To manually open or close the water flow, use the designated manual button or lever on the programmer. This allows for immediate watering outside of the programmed schedule.

6.5 Reset Function

To reset the programmer, locate the 'Reset' button (often a small pinhole) and press it with a thin object. This will clear all settings and return the unit to its default state.

7. MAINTENANCE

- **Cleaning:** Wipe the exterior of the programmer with a damp cloth. Do not use abrasive cleaners or submerge the unit in water.
- **Battery Replacement:** Replace batteries when the low battery indicator illuminates or when the programmer stops functioning as expected. Always use new alkaline batteries.
- **Winter Storage:** During freezing temperatures, disconnect the programmer from the tap and store it indoors to prevent damage from ice expansion.

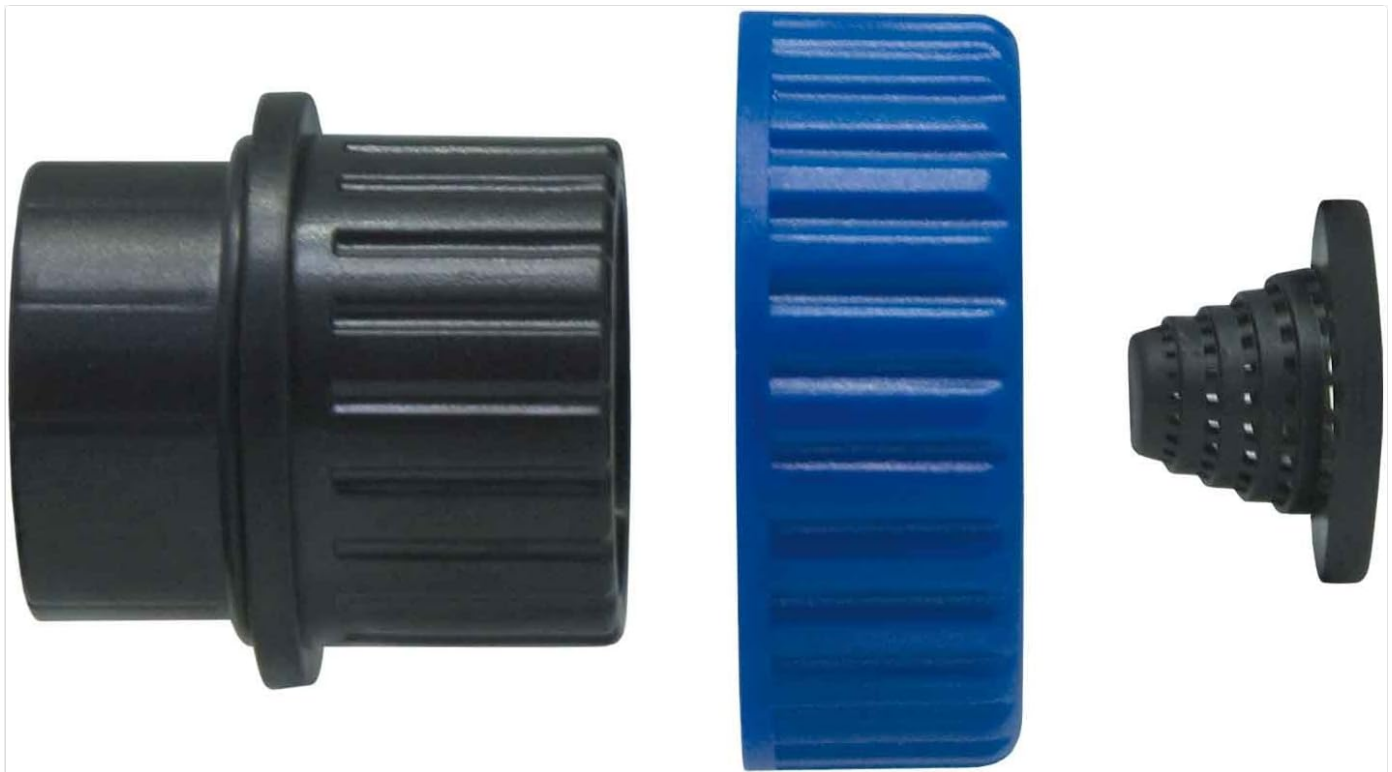


Figure 5: Components of the programmer, including the inlet filter, which should be checked periodically for debris.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Programmer does not turn on.	No batteries or incorrect battery installation.	Install 2 x 1.5V AAA alkaline batteries correctly.
No water flow during programmed time.	Tap is closed; low water pressure; clogged filter; dead batteries.	Ensure tap is fully open; check water pressure (min. 1 bar); clean inlet filter; replace batteries.
Watering schedule is inconsistent.	Low batteries; incorrect programming.	Replace batteries; re-program frequency and duration settings.
Leakage from connections.	Loose connections; worn washers.	Tighten connections; replace rubber washers if worn.

9. SPECIFICATIONS

- **Model Number:** C4099N
- **Dimensions:** 10 x 10 x 16 cm
- **Item Weight:** 300 Grams
- **Material:** Metal (internal components), Durable Plastic (housing)
- **Power Source:** 2 x 1.5V AAA Alkaline Batteries (not included)
- **Operating Pressure:** 1 - 8 bar (opens at 0 bar)
- **Watering Frequency Options:** 1, 2, 3, 4, 5, 6, 8, 12, 24, 48, 72 hours, or once a week
- **Watering Duration Options:** 1, 2, 3, 5, 10, 15, 20, 30, 60, 90, 120 minutes

- **Manufacturer:** Altadex
- **GTIN:** 08426375240995

10. WARRANTY

The Aqua Control C4099N Irrigation Programmer comes with a **2-Year Warranty** from the date of purchase, covering manufacturing defects. Please retain your proof of purchase for warranty claims.



Figure 6: The product highlighting its 2-year warranty and waterproof design.

11. SUPPORT INFORMATION

For technical support, inquiries, or warranty claims, please contact the manufacturer:

- **Manufacturer:** Altadex S.A.
- **Website:** www.altadex.com



Figure 7: Product packaging displaying manufacturer and website information.