

Toolcraft TO-7153944

TOOLCRAFT Duo-Irrigation Control User Manual

MODEL: TO-7153944

1. INTRODUCTION

Thank you for choosing the TOOLCRAFT Duo-Irrigation Control. This device is designed to automate the watering of your garden, allowing you to manage two separate irrigation zones with different schedules. This manual provides detailed instructions for setup, operation, and maintenance to ensure optimal performance and longevity of your irrigation control unit.

Imagine relaxing in your garden while your irrigation programmer waters your flowers, shrubs, and lawn automatically. With the DUO irrigation timer, two irrigation zones can be controlled separately with different schedules. The watering frequency is adjustable from once per hour to every 12 hours – daily or at intervals of up to 7 days. The watering duration can be from one minute to almost four hours, and the start of the sequence can be set individually. It is always possible to water manually at any time and to suspend the program for a period of twelve hours to seven days, for example, in case of rain. After the interruption period, the program automatically resumes. Particularly practical: The device emits an acoustic signal when the battery is low and is splash-proof (IPX4).



The TOOLCRAFT Duo-Irrigation Control unit seamlessly integrated into a garden environment, demonstrating its application in automating plant watering.

2. PRODUCT FEATURES

- **Dual Zone Control:** Easily manage two different irrigation zones with independent valves and distinct watering programs.
- **Flexible Scheduling:** Watering frequency adjustable from 1 time per hour up to every 12 hours, daily, or with intervals up to 7 days.
- **Adjustable Watering Duration:** Set watering times from one minute to nearly four hours.
- **Customizable Start Times:** Individually set the start time for each watering sequence.
- **Manual Watering Option:** Initiate watering manually at any time, overriding the programmed schedule.
- **Rain Delay Function:** Suspend the program for 12 hours to 7 days, useful during rainy periods. The program automatically resumes after the delay.
- **Low Battery Indicator:** Emits an acoustic signal when the battery is low, ensuring timely replacement.
- **Splash-Proof Design:** Rated IPX4 for protection against splashing water.

3. PACKAGE CONTENTS

Please check the package contents upon unboxing. The standard package should include:

- 1x TOOLCRAFT Duo-Irrigation Control Unit (Model TO-7153944)
- 1x User Manual (this document)

If any items are missing or damaged, please contact your retailer or TOOLCRAFT customer support immediately.

4. SETUP AND INSTALLATION

4.1 Battery Installation

The TOOLCRAFT Duo-Irrigation Control requires batteries for operation. Follow these steps to install them:

1. Locate the battery compartment on the back of the unit.
2. Slide the battery cover downwards to open it.
3. Insert the required batteries (typically AAA, refer to compartment markings for polarity) ensuring correct orientation.
4. Close the battery cover by sliding it upwards until it clicks into place.



Rear view of the irrigation control unit with the battery compartment open, indicating where to insert batteries.

4.2 Connecting to Faucet and Hoses

Connect the irrigation control unit to your outdoor faucet and then attach your irrigation hoses to the unit's outlets.

1. Screw the top connector of the irrigation control unit onto your standard outdoor faucet. Ensure a tight fit to prevent leaks.
2. Attach your garden hoses or irrigation lines to the two independent outlets at the bottom of the unit. These are labeled for Zone 1 and Zone 2.
3. Ensure all connections are secure.



Front view of the irrigation control unit, highlighting the faucet connection at the top and the two zone outlets at the bottom.

5. OPERATING INSTRUCTIONS

The control unit features a large display and a rotary dial with several settings for easy programming.



The control panel and display of the irrigation unit, showing the next scheduled watering time.

5.1 Setting the Current Time (CLOCK)

1. Turn the rotary dial to the 'SET CLOCK' position.
2. The hour digits on the display will flash. Use the '+' and '-' buttons to adjust the hour.
3. Press the 'OK' button to confirm the hour. The minute digits will flash.
4. Use the '+' and '-' buttons to adjust the minutes.
5. Press 'OK' to confirm the minutes. The time is now set.



The unit's display showing the current time, ready for programming.

5.2 Programming Irrigation Schedules (START TIME, HOW LONG, HOW OFTEN)

The unit allows you to program two independent zones. Use the 'ZONE' button to switch between Zone 1 and Zone 2 during programming.

1. **Select Zone:** Press the 'ZONE' button to select either Zone 1 or Zone 2. The selected zone will be indicated on the display.
2. **Set Start Time:** Turn the dial to 'START TIME'. Use '+' and '-' to set the desired watering start time for the selected zone. Press 'OK' to confirm.
3. **Set Watering Duration (HOW LONG):** Turn the dial to 'HOW LONG'. Use '+' and '-' to set the duration of

watering (from 1 minute to almost 4 hours). Press 'OK' to confirm.

4. **Set Watering Frequency (HOW OFTEN):** Turn the dial to 'HOW OFTEN'. Use '+' and '-' to set how often watering occurs (e.g., every 1 hour, every 12 hours, daily, or every X days up to 7 days). Press 'OK' to confirm.
5. Repeat steps 1-4 for the other zone if desired.
6. Once programming is complete, turn the dial to 'ON' to activate the schedule.

5.3 Manual Watering

To water manually outside of the programmed schedule:

1. Ensure the dial is in the 'ON' position.
2. Press the 'MANUAL' button. The display will show the manual watering duration.
3. Use '+' and '-' to adjust the manual watering duration.
4. Press 'OK' to start manual watering. The unit will water for the set duration and then return to the programmed schedule.
5. To stop manual watering prematurely, press 'MANUAL' again.

5.4 Rain Delay Function

To temporarily suspend the watering schedule, for example, during rain:

1. Ensure the dial is in the 'ON' position.
2. Press the 'DELAY' button. The display will show the default delay period (e.g., 12 hours).
3. Use '+' and '-' to adjust the delay period (from 12 hours up to 7 days).
4. Press 'OK' to activate the delay. The unit will pause watering for the set period and automatically resume the programmed schedule afterward.
5. To cancel the delay, press 'DELAY' again.

5.5 Turning Off the Unit

To turn off all watering functions, turn the rotary dial to the 'OFF' position. This will stop any active watering and prevent scheduled watering from occurring.

6. MAINTENANCE

Proper maintenance ensures the longevity and reliable operation of your TOOLCRAFT Duo-Irrigation Control.

- **Cleaning:** Periodically wipe the unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** When the unit emits an acoustic signal indicating low battery, replace the batteries promptly to avoid interruption of watering schedules. Always use fresh batteries of the specified type.
- **Winterization:** Before the first frost, disconnect the unit from the faucet and hoses. Drain any remaining water from the unit. Store it indoors in a dry, frost-free location. Remove batteries if storing for an extended period.
- **Filter Cleaning:** Check the filter washer located at the faucet connection point periodically for debris. Clean it if necessary to ensure unrestricted water flow.

7. TROUBLESHOOTING

If you encounter issues with your irrigation control unit, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No water flow	Faucet is off; Batteries are dead; Program not set; Filter clogged; Unit is in 'OFF' mode.	Ensure faucet is fully open; Replace batteries; Check program settings; Clean filter; Turn dial to 'ON'.
Display is blank or dim	Dead or low batteries; Incorrect battery installation.	Replace batteries; Check battery polarity.
Water leaks from connections	Loose connections; Damaged washers.	Tighten all connections; Replace worn washers.
Program not starting	Incorrect start time; Unit in 'DELAY' or 'OFF' mode; Low battery.	Verify start time; Check dial position and delay status; Replace batteries.
Acoustic signal beeping	Low battery warning.	Replace batteries immediately.

If the problem persists after attempting these solutions, please contact TOOLCRAFT customer support.

8. SPECIFICATIONS

Feature	Specification
Model Number	TO-7153944
Product Dimensions	15 x 14 x 8 cm (approx. 5.9 x 5.5 x 3.1 inches)
Weight	490 grams (approx. 1.08 lbs)
Power Source	Batteries (not included, typically AAA)
Watering Zones	2 independent zones
Watering Frequency	1 hour to 12 hours, daily, or 1-7 day intervals
Watering Duration	1 minute to 3 hours 59 minutes
Protection Rating	IPX4 (splash-proof)

9. WARRANTY AND SUPPORT

For warranty information, please refer to the terms and conditions provided by your retailer at the time of purchase. Keep your proof of purchase for any warranty claims.

For technical support, troubleshooting assistance beyond this manual, or inquiries about spare parts, please contact TOOLCRAFT customer service. You can often find contact information on the official Toolcraft website or through your retailer.

Visit the official Toolcraft store for more products and information:[Toolcraft Store on Amazon](#)

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question