claber 8058 LCD Programmer Instruction Manual

Contents

claber 8058 LCD Programmer

Product Information

The Multipla AC230/24V is a programmable timer for controlling electrical devices. It is designed to be installed indoors and can be used for various applications. The timer operates on an input voltage of 230V ~ 50Hz and provides an output voltage of 24Vac 625mA. It comes with a 9V alkaline battery (not included) for backup power.

Specifications:

- **Input Voltage:** 230V ~ 50Hz
- **Output Voltage:** 24Vac 625mA
- **Power:** 15VA
- **Battery:** 1x 6LR61 9V alkaline (not included)

Important Notes:

- This timer is not suitable for children.
- Avoid direct exposure to water, rain, and direct sunlight.
- Do not install the timer in underground valve boxes or submerged in water.

Product Usage Instructions

1. Choose a suitable location indoors to mount the timer. Make sure it is protected from moisture and water splashes.
2. If using the provided bracket, attach it to the wall using appropriate screws.
3. Connect the electrical devices you want to control to the terminals on the timer.
4. If using the backup battery, insert a 6LR61 9V alkaline battery into the designated slot.
5. Set the desired programming options using the buttons and display on the timer.
6. Follow the programming instructions provided in the user manual to set up the desired schedules and intervals.

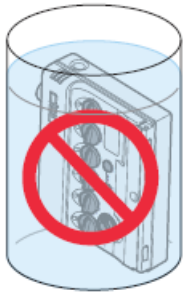
7. Ensure that the timer is properly connected to the power supply.
8. Test the timer by activating the programmed settings and observing the connected devices.
9. If necessary, reset the timer to its default settings using the reset button.

For further assistance or detailed instructions, refer to the user manual provided with the product or visit the manufacturer's website at www.claber.com.

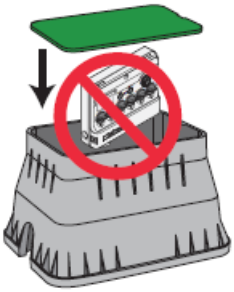
TECHNICAL DATA

- Transformer
  - **INPUT:** 230V ~ 50Hz
  - **OUTPUT:** 24Vac 625mA 15VA
- Timer input/output voltage 24VAC 50/60Hz
- Buffer battery 1x 6LR61 9 VOLT alkaline
- Average life of the battery (where there is no electrical power supply) 2
  - mesi – months
  - mois – meses
- Operating temperature 3 – 50 °C
- Construction material: >ABS<

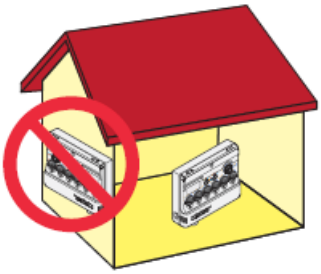
GENERAL



DO NOT PUT
UNDER WATER



DO NOT INSTALL
IN THE VALVE BOX

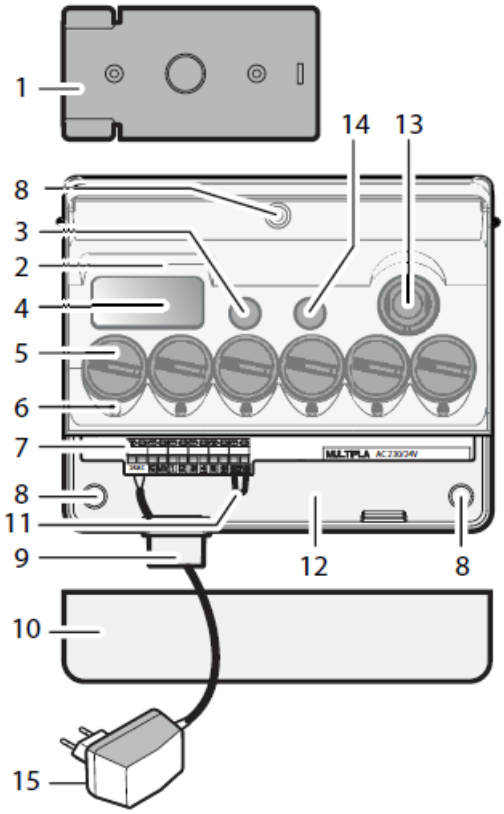


TO BE INSTALLED
INDOORS

The timer must be wall-mounted in a non-humid room, protected from weathering and spurts of water.

WARNING:
Do not install the timer in underground valve boxes.

DESCRIPTION

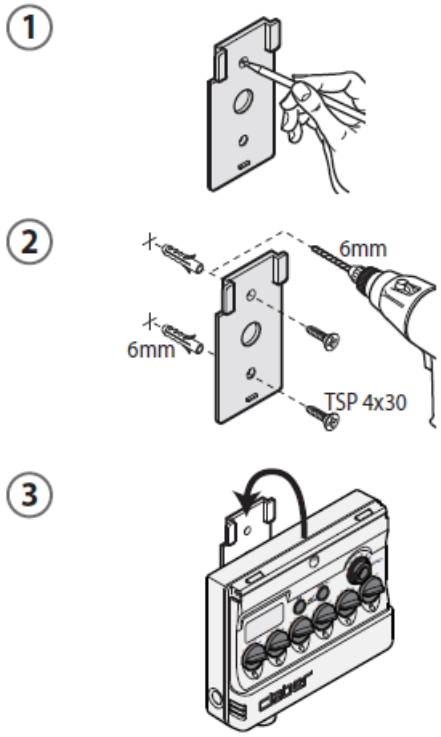


1. Fixing bracket
2. Cover
3. TEST/MANUAL button
4. LCD display
5. LINE selectors
6. LINE leds
7. Terminals
8. Fixing hole
9. Grommet
10. Battery compartment cover
11. Jumper
12. Battery compartment
13. Frequency SELECTOR
14. Start +…HOURS button
15. Transformer

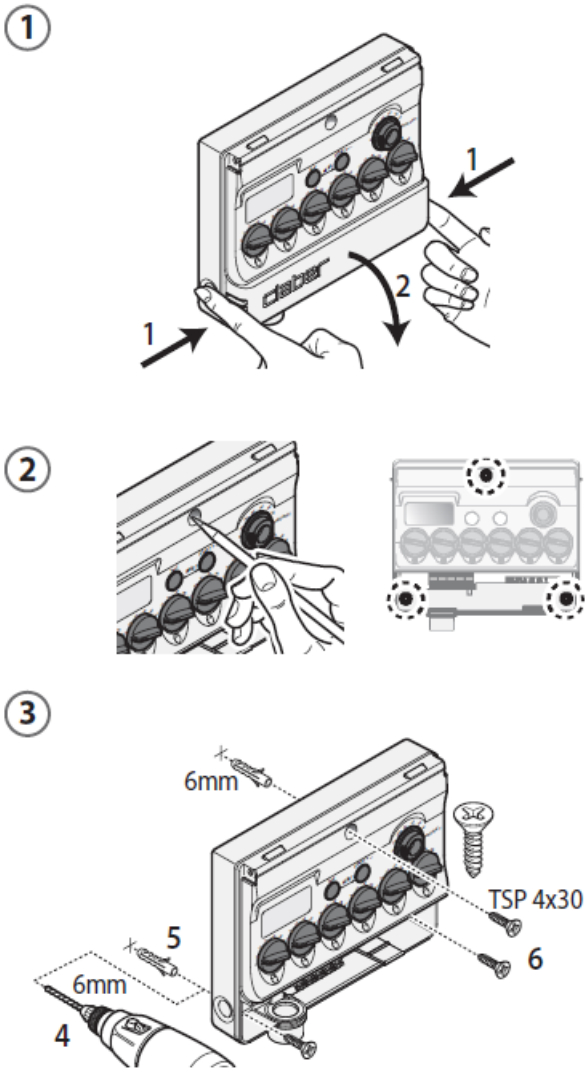
FIXING METHOD

Mount the appliance to the wall using the bracket provided, or fix directly to the wall surface.

Fixing with bracket

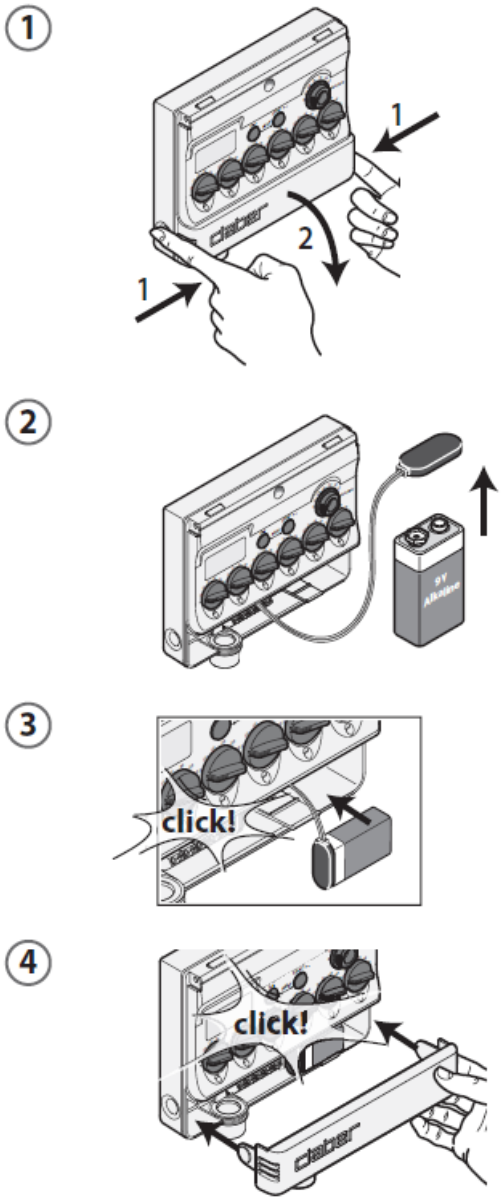


Fixing directly to wall



BATTERY REPLACEMENT

- The appliance must contain a 9V alkaline buffer battery, which serves to store the start time for the set programme, should the power supply fail (in the absence of a power supply, it lasts for approximately 2 months). If the battery is not connected, or has insufficient charge, a mains power cut may result in the watering program being disabled.
- When the message LOW BATT appears blinking in the display, this indicates that the battery is almost flat and needs renewing. Having replaced the battery, check and if necessary reprogram the start time (see “Start watering program” heading).
- One new 9V alkaline battery only should be fitted, and renewed at the start of every season. Always remove the battery when the timer is not going to be in use for extended periods. Dispose of spent batteries by placing them in a special sorted collection bin.

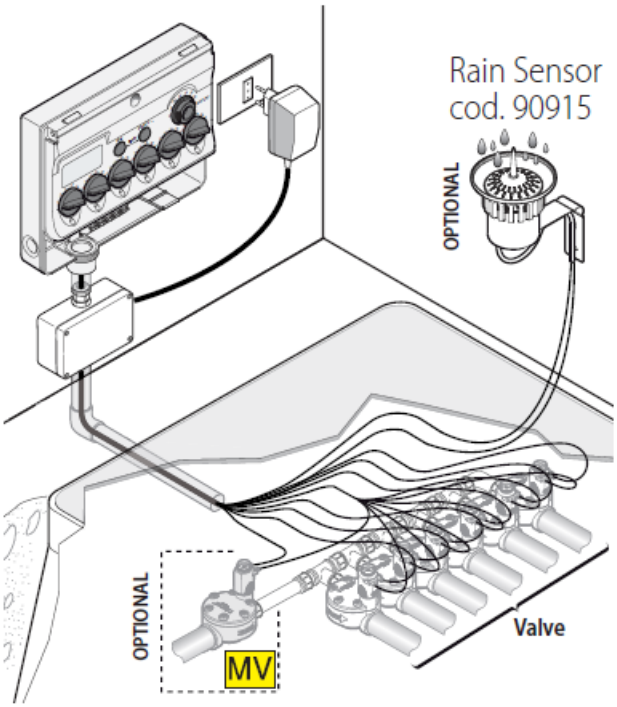


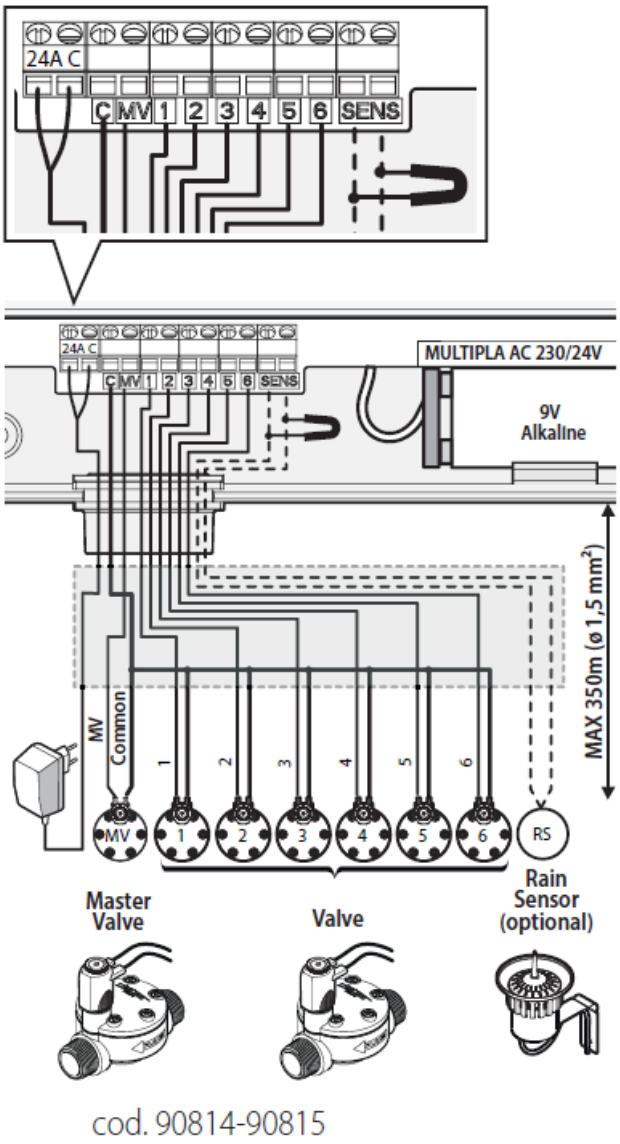
INSTALLATION

- The timer can be used to control a minimum of 1 to a maximum of 6 valves 24V.
- When selecting the position, bear in mind the need for convenient routing of wires from the timer to the valves and the Rain Sensor (if installed), and that the MULTIPLA-AC must be located close to a power socket. The MULTIPLA-AC is supplied with a plug-in external transformer and power cable 1.5 metres in length. We recommend installing a terminal box near the timer.

- The Master Valve is an optional safety valve installed upstream of the line valves; it opens and closes automatically, so as to connect the system to the main only when watering is actually in progress.
- There is also the option of connecting a Rain Sensor to the MULTIPLA-AC, which will interrupt the watering program in the event of rainfall; once the rainwater collected in the cup has evaporated, the program will restart automatically.

1. Join the single wires coming from either terminal of the single valves to a single wire coming from the timer (valves common).
2. The wires running from the timer to the valves and the Rain Sensor (if installed) must be protected with plastic conduit.
3. Lay the conduit, and route the necessary wires through from end to end.
4. Connect the ends to the respective valves (including the Master Valve, if installed).
5. Make the following connections to the terminal box of the timer, stripping the ends of the wires to expose 5-6 mm, inserting and tightening:
    - the common wire from the valves, to terminal C, the wire coming from the second terminal of each valve, to terminals 1 … 6,
    - the wire coming from the second terminal of the Master Valve (if installed) to terminal MV.
6. If the Rain Sensor is installed, remove the jumper from the SENS terminals and connect the wires from the Rain Sensor in its place. If the Rain Sensor is not going to be used, the jumper must remain in place between the SENS terminals.



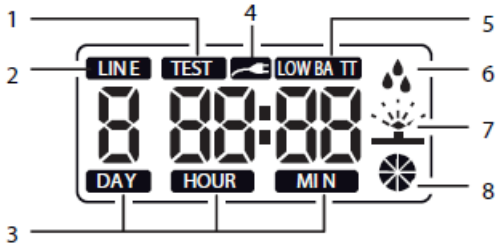


cod. 90814-90815

WARNING

- The electrical system must be set up by qualified personnel in compliance with current legal regulations and standards. When performing device installation or maintenance operations, cut-off the electrical power supply by disconnecting the external transformer from the power socket.
- The Manufacturer shall not be held responsible if the information provided above is not observed.
- The solenoid valves are powered with 24 V and are classified as SELV low voltage. A fixed system that complies with current standards and laws must also be created for the electrical solenoid valve connections.
- It is good policy – when the water timer is put into operation for the first time – to make certain that the programmes run correctly.

KEY



1. TEST active indicator
2. Line selected indicator
3. Time remaining indicator (until start/end of watering)
4. Mains healthy indicator
5. Battery low indicator
6. Rain Sensor indicator
7. Watering in progress symbol
8. Watering standby symbol

When the battery is inserted, the message OFF will be displayed. Plug the transformer into the power socket.

Function of selectors

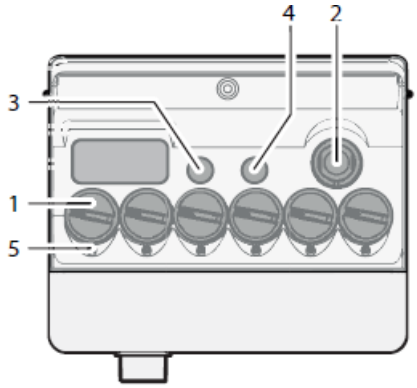
- LINE selectors (1): used to select the time for which the valves remain open.
- FREQUENCY selector (2): used to set the interval between one watering cycle and the next.

Function of buttons

- TEST button (3): activates a test watering cycle of 5 minutes duration, on the selected line.
- START+… button (4): starts the selected watering program.
- TEST and START+… (3+4) buttons pressed simultaneously: STOP.
- TEST and START+… (3+4) buttons pressed simultaneously and held for 10 seconds: RESET.

Luminous indicators

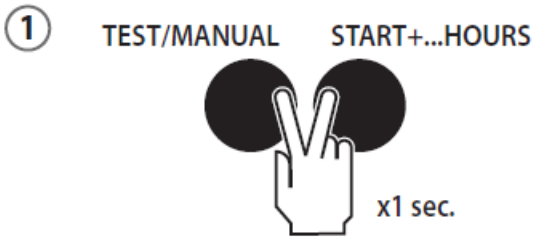
- **LINE led (5):** indicates that the valve of the corresponding line is open (watering in progress).



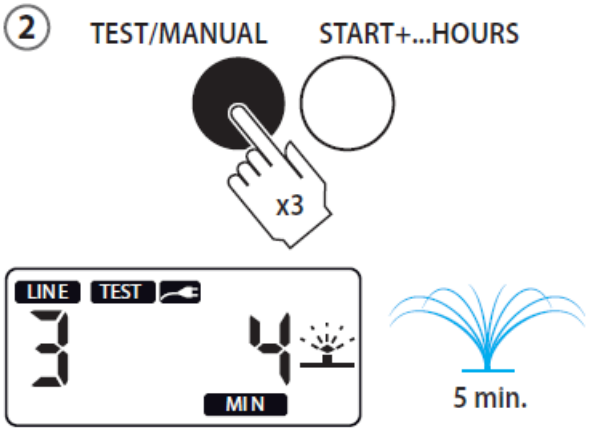
USE

1. **SYSTEM TEST**
    1. The TEST function can be used to activate a given valve manually, for a predetermined duration of 5

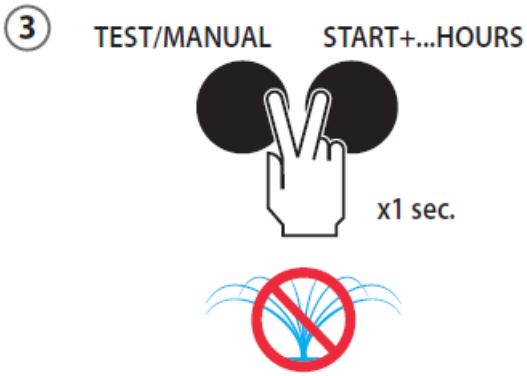
minutes: this enables the user to run a quick check during installation and/or maintenance procedures, and make certain that all parts of the system are working. If there is an irrigation cycle running, to perform the test you can pause the cycle by pressing and holding the TEST and START+… buttons at the same time for 1 second.



2. Press the TEST button repeatedly (e.g. 3 times) to select and activate one of the lines; after a few seconds, the relative valve will open for 5 minutes. The display indicates the operating mode – TEST – the line selected, and the time remaining.

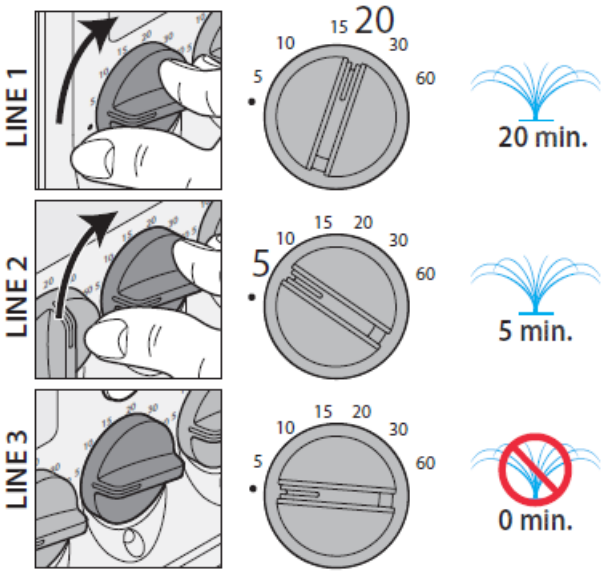


3. To close the valve being tested before the end of the 5 minutes, press the TEST and START+… buttons simultaneously for 1 second.

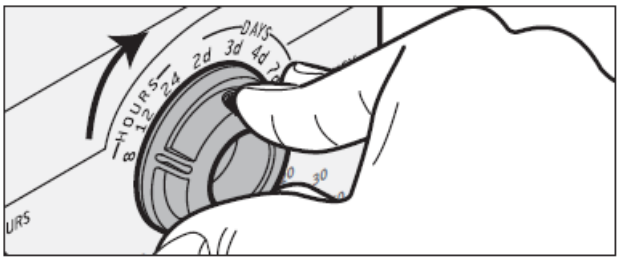


Warning: if the TEST and START+… buttons are pressed for longer, the timer will be reset, deleting the start times for the irrigation cycles.

2. **SETTING A PROGRAM**
    1. During a watering cycle, the Multipla activates all of the valves on lines 1 to 6 for which a watering time has been programmed using the LINE selectors, opening them in succession. A watering program consists in the repetition of a watering cycle at intervals programmed with the FREQUENCY selector.



2. Having decided which lines are to be activated, turn the LINE selector for each one until it is positioned on the required time. The duration is programmable between 5 and 60 minutes. To exclude watering on a given line, position the corresponding selector on "•" (ZERO).

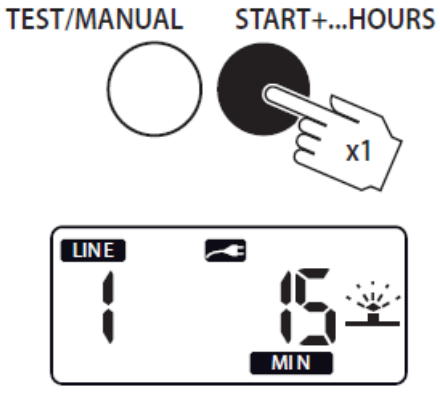


3. Turn the FREQUENCY selector to the required position (every 8 hours, 12 hours, 24 hours, 2 days, 3 days, 4 days, or 7 days).

3. **START OF WATERING PROGRAM**

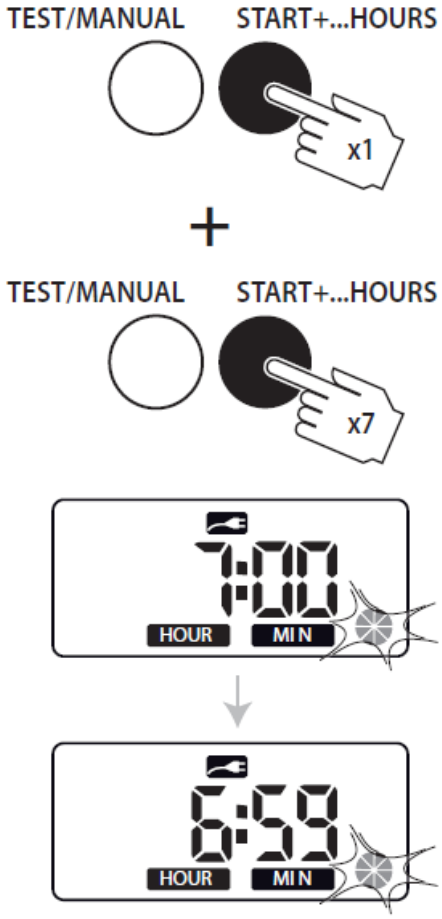
1. **Start:**

   At the desired time, press the START+… button once and the irrigation programme will start immediately. The next watering cycle will begin after the time period set with the FREQUENCY selector has elapsed (example: pressing the START+… at 20:00 hours to activate the program, with the FREQUENCY set at 8 hours, the next watering cycle will commence at 04:00 hours).

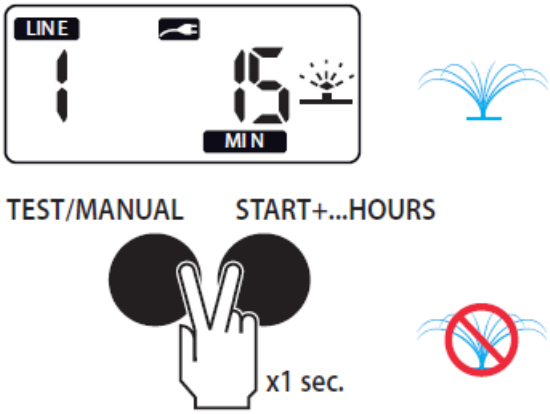


2. **Delayed start:**

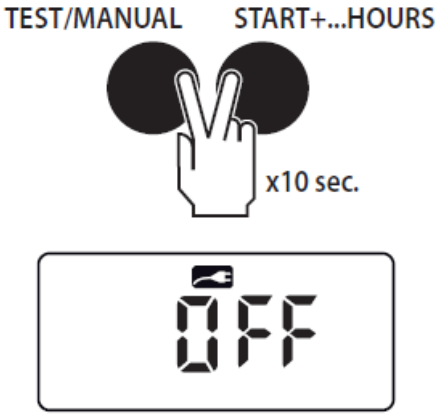
   Press the START+… button once. Before 5 seconds have elapsed, press the START+… button a second time to set a delay of one hour, a third time for two hours, and so on up to as many as 23 hours (in the example illustrated, a delay of 7 hours has been set). The display initially shows the selected number of hours of delay, the awaiting irrigation symbol and the time remaining until the next irrigation cycle starts (e.g. 6:59).



4. **STOP FUNCTION**
    1. The STOP (pressing TEST and START+… together) function interrupts the watering cycle currently in progress. Irrigation will start again normally with the next cycle, according to the set frequency. The STOP function is also used to close a valve manually, when activated in TEST mode.



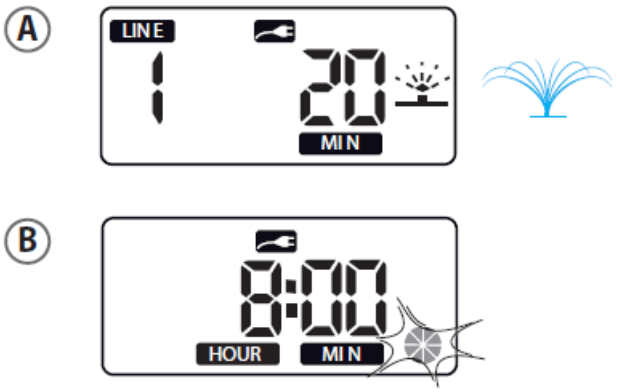
    2. Press the TEST and START+… buttons simultaneously. The display shows the standby symbol, and the time remaining until the start of the next watering cycle.
5. **RESET FUNCTION**
    1. The RESET function closes the valve, if currently open, and switches the timer to OFF. The irrigation start time is deleted while the run time and frequency remain unchanged; to change them, manually adjust the individual dials. Watering will be suspended until the START+… button is pressed again (see “start of watering program”), or until another TEST is run (see “System test”).



2. Press the TEST and START+… buttons simultaneously, and hold for 10 seconds. The message OFF appears in the display.

6. **MODIFYING PROGRAMMING**
   1. To change a watering program currently in use, enter the LINE and FREQUENCY settings as desired.
      Examples:
   2. With watering in progress and line 2 active, the position of the LINE 2 and LINE 3 selectors is changed (say, from 10 to 20 minutes): there will be no change to the duration of the watering step in progress on line 2, whereas the new setting of 20 minutes will take effect with the activation of line 3. For the next irrigation cycle, both lines 2 and 3 will irrigate for 20 minutes.
   3. Multipla irrigates every 8 hours on 2 lines, for 5 minutes each. If it is 8.10 (Multipla has already irrigated on both lines) and the position of the FREQUENCY dial is changed (e.g. from 8 to 12 hours), Multipla will irrigate at 4 pm (observing the 8-hour interval saved previously) and then the frequency will change to 12 hours (the next irrigation cycle will run at 4 am). If the changes apply to longer frequencies (e.g. 2 days), we recommend resetting the device, changing the frequency and resetting the start time. This will ensure the new frequency settings take effect immediately.

7. **DISPLAY**
   1. When a watering cycle is in progress, the display shows the in-progress symbol, the number of the line currently active, and the number of minutes remaining until watering is due to finish on that line (fig. A).
   2. The line Led relative to the valve currently open will also light up. On completion of the watering cycle, the standby signal reappears in the display, with the time remaining until the start of the next watering cycle (fig. B – example of watering cycle with FREQUENCY set to 8h).

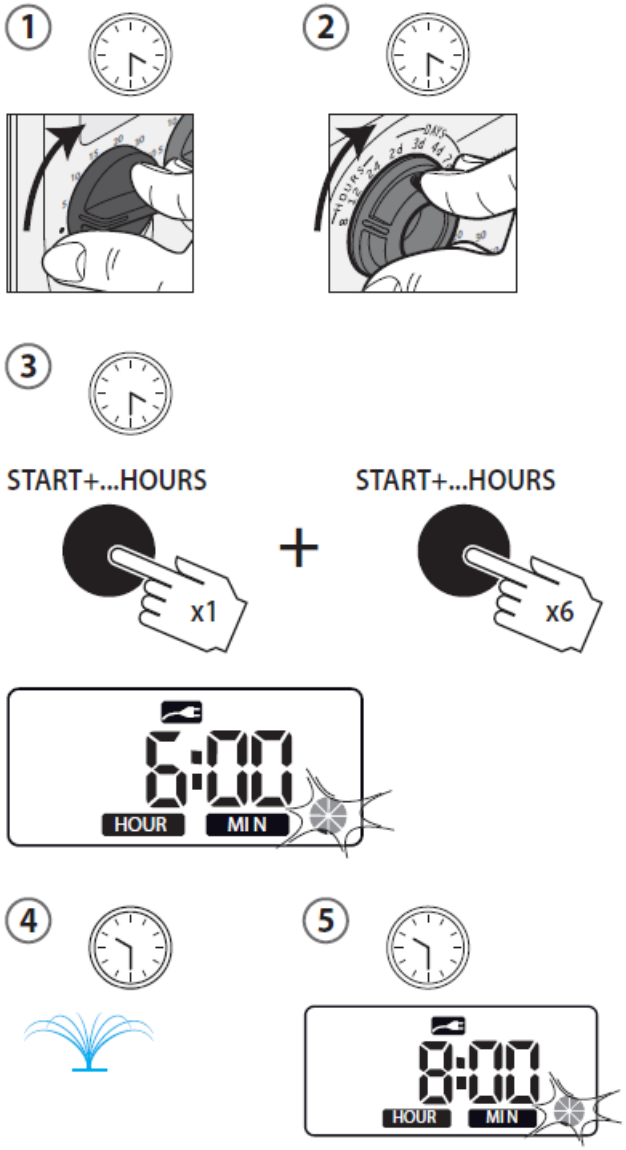


   3. Should there be an interruption to the power supply, if the battery is connected and charged, the timer will store the programmes but will not open the valves. All the symbols flash on the display. Once power has been restored, irrigation will start again as normal and the display will flash until any button is pressed. If the battery is not connected, or is flat, and there is an interruption to the power supply, the irrigation cycles are stopped. The run time and frequency are saved but the time is deleted. Irrigation will resume

once the power supply has been restored after having pressed the START button (see “Starting the irrigation programme”).

GUIDED PROCEDURE

At 16:30, the duration is selected for all of the watering lines (LINE selectors) and the frequency is set at 8h (FREQUENCY selector). Suppose that watering is not to start immediately, but at 22:30 (i.e. after 6 hours): press the START+… button , then press six times in succession, so that the display shows 6:00. The time indicated in the display begins counting down, ultimately reaching 0:00 at 22:30; the watering cycle starts, and will then be repeated every 8 hours as set with the FREQUENCY selector (i.e. at 5:30, at 14:30 and at 22.30).



DISPOSAL

The symbol in question applied to the product or the packaging indicates that the product must not be considered as normal domestic waste, but must be taken to a special centre for the collection and recycling of waste electrical and electronic equipment. Take care to dispose of this product in the proper way; this will help to avoid the negative consequences that could arise from unsorted collection or dumping. For more detailed information on the recycling of this product, contact the municipal authority, the local refuse collection service or the dealer from whom the item was purchased.

FAQs

How do I set the irrigation cycle activation times?
The timer registers the start time (START) for the first set programme as the start time for the irrigation cycles.

No water from one or more valves, though MULTIPLA-AC seems to be working
Check the state of the wires and connections; check that there no breaks in the electrical connections using a tester and, if necessary, restore continuity for the relevant wires; check the state of the solenoid and valves. If a valve does not open or close, this may be because of impurities that have penetrated inside or because of incorrect assembly, not observing the direction of flow of the water as shown by the arrow on the solenoid valve body.

Valves fail to activate, though MULTIPLA-AC seems to be working
The cables connecting the valves to the timer are broken or disconnected; check the integrity and tightness of the terminals. Make certain either that the Rain Sensor is connected and functioning, or that the jumper is located between the SENS terminals. No water from the main; restore the supply.

Watering times are not as programmed
LOSS of mains power supply with the backup battery either low or disconnected; replace the battery and restart the watering program.

Rain Sensor symbol shows permanently in the display
Make certain either that the Rain Sensor is connected and functioning, or that the jumper is located between the “SENS” terminals.

MULTIPLA-AC not working
The causes may be: a short circuit; the external transformer is not receiving any power from the mains; the external transformer is not supplying 24V. Contact CLABER technical support via your local retailer or contact one of the technical support centres.

MULTIPLA-AC faulty or damaged
For repairs, contact CLABER technical support via your local retailer or contact one of the technical support centres.

CONDITIONS OF GUARANTEE

This device is guaranteed for 3 years from the date of purchase as indicated by the invoice, bill or till receipt issued at the time of the transaction, which must be kept. Claber guarantees that the product is free of material or manufacturing defects. Within two years from the date of delivery to the consumer, Claber shall repair or replace any parts of this product found to be defective.

The warranty is void in the event of:

- Lack of proof of purchase (invoice, receipt or cash register receipt);
- Use or maintenance different from what is specified;
- Disassembly or tampering by unauthorised personnel;
- Faulty installation of the product;
- Damages from atmospheric agents or contact with chemical agents;
    - Claber accepts no liability for products that it has not manufactured, even if used in combination with its own products.
    - The costs and the risks associated with shipment are met entirely by the owner. Assistance is provided by Claber authorized service centres.

Declaration of Conformity

Assuming full responsibility, we declare that the product

8058 – Multipla AC 230/24V LCD
Complies with the applicable European and British directives, as per the Declarations of Conformity accessible via the following link: **www.claber.com/conformity/**.

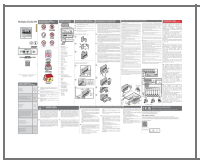
Fiume Veneto, 11/2022

Il Presidente Claber S.P.A.
Ing. Gian Luigi Spadotto

CLABER SPA

- Via Pontebbana, 22 – 33080 Fiume Veneto PN – Italy
- **Tel.** +39 0434 958836
- **Fax** +39 0434 957193
- **info@claber.com**.
- **www.claber.com**.

Documents / Resources

	**claber 8058 LCD Programmer** [pdf] Instruction Manual 8058, 13382, 8058 LCD Programmer, LCD Programmer, Programmer

References

- **Impianti irrigazione giardino: interrata, a goccia, fuori terra**
- **claber.com/conformity/**