

Hydro 4

In-built prefitted water timer valve box

USE AND INSTALLATION MANUAL



90829

claber®

<i>Introduction</i>	<i>56</i>
<i>Reminders.....</i>	<i>57</i>
<i>General specifications.....</i>	<i>58</i>
<i>Fitting the battery.....</i>	<i>60</i>
<i>Installation.....</i>	<i>63</i>
<i>Use.....</i>	<i>71</i>
- <i>guidelines on programming.....</i>	<i>74</i>
- <i>setting current day and time.....</i>	<i>84</i>
- <i>programming watering.....</i>	<i>86</i>
- <i>test/manual watering.....</i>	<i>92</i>
- <i>Reset.....</i>	<i>94</i>
- <i>enabling programmes A and B and setting to off.....</i>	<i>95</i>
- <i>Rain Sensor RF.....</i>	<i>97</i>
<i>Cleaning and maintenance</i>	<i>98</i>
<i>Diagnostics</i>	<i>100</i>
<i>Technical specifications</i>	<i>102</i>
<i>Disposal (WEEE).....</i>	<i>102</i>
<i>Guarantee conditions</i>	<i>103</i>
<i>Declaration of conformity</i>	<i>104</i>

Symbols adopted in the manual



important note



additional information

EN Introduction

Our thanks for the confidence shown in purchasing this product. Please read this instruction manual carefully before programming the device, and keep it handy for future reference: each section will provide all the necessary information on how to perform the single steps correctly.

This device has been designed and manufactured exclusively for the programming of watering time by adults with experience and knowledge. Any use other than that described in this manual is considered improper: the manufacturer acknowledges no liability for damages arising from improper use, which will also void the guarantee.

1. Use only two AAA (LR03) 1.5V Alkaline new batteries, with an expiry date exceeding one year. Follow the instructions of the battery manufacturer. Do not power the water timer with sources other than those specified.
2. Replace the batteries at the beginning of each season.
3. During winter and/or when not in use, always remove the batteries and store the water timer in a dry place at a temperature no lower than 3 °C.
4. Periodically, check the integrity of the seals fitted to the transparent cover and to the cap of the battery housing.
5. Periodically, check that the electrical connections of the battery are firm and secure.
6. Do not let water freeze inside the product. At the end of each season, it is recommended that the manual valve upstream is closed and the system is drained using the manual opening of the control module.
7. Make certain that children and animals cannot play with the water timer or any of its parts.
8. It is good policy — when the water timer is put into operation for the first time — to make certain that the programmes run correctly.
9. Avoid harsh tugging of hoses and fittings connected to the water timer.
10. Do not use the water timer with operating pressures lower than 0.2 bar (2.9 psi) or higher than 12 bar (174 psi).
11. Do not fit the water timer inside buildings.
12. Do not use the water timer with chemicals or liquids other than water.
13. Do not submerge the timer in water or other liquids.
14. Do not let the housing and the internal parts of the water timer come into contact with chemical agents (e.g. aggressive detergents, chlorine, fertilizers, etc.).
15. When not programming, keep the cover of the valve box closed to protect it from atmospheric agents and moisture.

EN General specifications

The water timer allows you to easily set the time, watering run time and date of four watering lines.

The programming of the water timer allows you to satisfy the requirements of different plants according to their species and environment.

The water timer is powered by two AAA (LR03) 1.5V Alkaline batteries that must be replaced at the start of each season and are sufficient, for at least, the entire watering season.

- 3/4" threaded male water intake connector
- 3/4" threaded male line connector
- Power supply: 2 AAA (LR03) 1.5V Alkaline batteries
- Programmable lines: 4
- Watering frequency: two watering programmes, **A** and **B**, which operate independently from each other on one or more of the 4 lines.
- Manual function pre-set at 5 minutes, for system testing and maintenance which does not alter the chosen programmes.
- Rain sensor connection (Rain Sensor RF - optional)
- Flow rate for each individual valve:
 - 0.2 bar ➡ 4,5 l/min
 - 1 bar ➡ 16 l/min
 - 2 bar ➡ 22 l/min
 - 2.5 bar ➡ 25 l/min
 - 3 bar ➡ 27 l/min
 - 4 bar 31 l/min
 - 5 bar ➡ 35 l/min

EN Fitting the battery

In order to operate the water timer requires two AAA (LR03)1.5V Alkaline batteries that must be replaced with two new charged batteries at the start of each season and are sufficient for, at least the entire irrigation.

To install or replace the battery, proceed as follows (*fig.2*):

- Unscrew the two screws on the valve box cover (1), remove them (2) and remove the cover (3).
- Unscrew the plastic cover on the water timer (4) and lift it up (5).
- Take out the water time (6).
- Unscrew the battery compartment plug (7), take out the battery-holder (8), and if present, remove the drained batteries.
- Fit the new batteries in the holder, observing the correct polarity (9).
- Replace the battery-holder into its housing (10) and screw down the plug checking that the seal is correctly placed in its seat (11).
- Insert the water timer into its seat (12), screw the cover back on (13), close the valve box with its cover (14) and secure it using the designated screws (15) (16)

Notes:

- Only use new AAA (LR03)1,5V Alkaline batteries, with an expiry date exceeding one year and that have never been used.
- Replace the batteries at the beginning of each season.

Fitting the battery

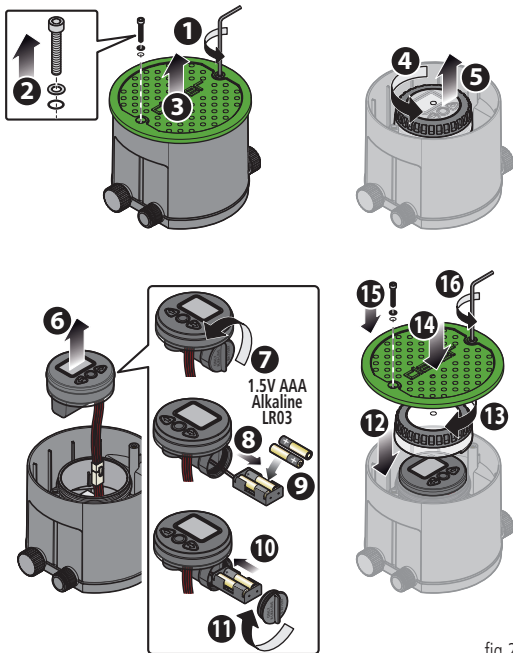



fig.2

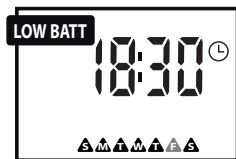
EN Fitting the battery

When the batteries are first fitted the display shows the **first page with the current TIME/DAY**, indicating as default 12:00 and  Sunday.

Check the time and the day and set the current time and day if incorrect, please refer to section "*setting current day and time*" on page 84.

For correct disposal of the drained batteries, use the designated collection bins.

BATTERY CHARGE STATUS



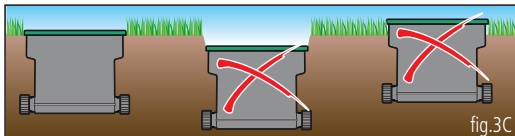
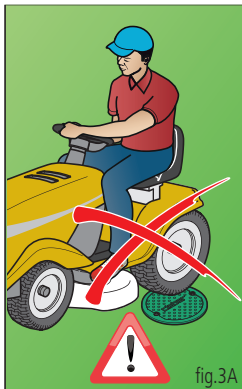
To check whether the batteries need replacing, look at the **first page with the current TIME/DAY** and refer to the following table:

STATUS	MEANING
LOW BATT <u>not present</u>	Batteries charged.
LOW BATT <u>present with other symbols activated</u>	Batteries almost drained, replace as soon as possible.
LOW BATT <u>flashing without any other symbols activated</u>	The water timer is no longer working, replace the batteries

Installation

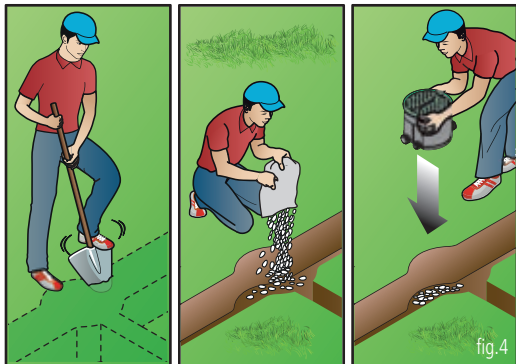
The valve box is to be installed outside, buried at ground level or resting on the surface, ensuring that the cover opening is free so that the valve inside the box can be programmed easily.

If installed below ground, do not place it in areas which are frequently walked over or passed over by mechanical means (eg. ride-on lawn mowers).



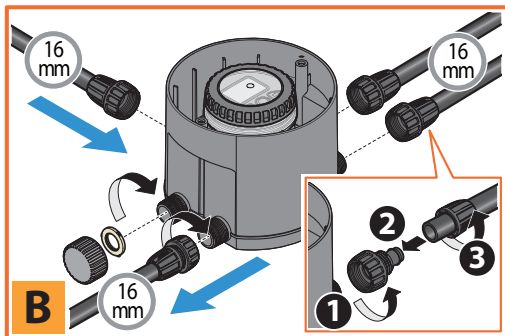
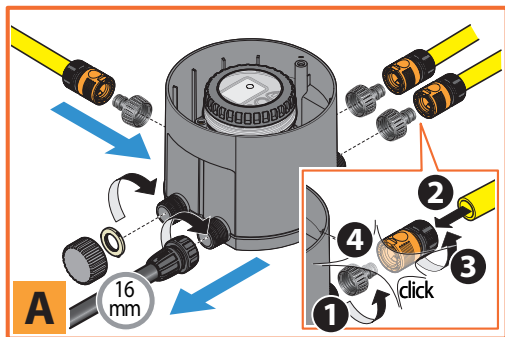
EN Installation

If installing below ground, use a spade to make a hole of a sufficient size to hold the valve box and tracks where the 4 watering line pipes will pass. Place an even layer of shingle on the base of the hole and position the valve box ensuring that it is stable and level (*fig.4*).

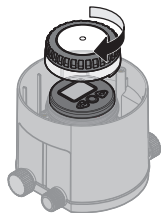
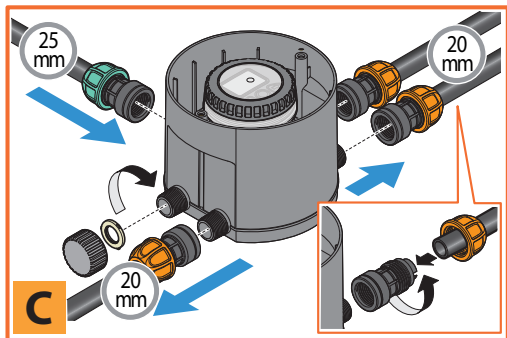


If installing above ground, rest the valve box on a stable and level surface, ensuring that the pipes coming from the 4 watering lines do not obstruct the passage of people or cause any risk of injury.

Once the valve box has been positioned, make the hydraulic connections as indicated on the following pages: depending on individual requirements, it is possible to connect the valve box with pipes of different diameters using the specific fittings (not supplied). See solutions **A**, **B**, **C**



EN Installation



Open the transparent cover of the water timer and carry out a functional test by activating manual watering (please refer to section [test/manual watering](#) on page 92): if the test has a positive outcome, close the cover.



The control module is fully watertight and will function even when under water at a depth of up to one metre (ingress protection IP 68).

To obtain product water tightness, the transparent cover must be screwed down completely with the seal well positioned in its seat ([fig.5 part 1](#)).

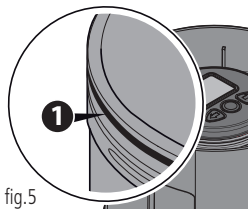


fig.5

Also close the valve box cover [fig.6](#) and, if installed below ground, fill the hole with soil making sure that the valve box cover is left free for inspection and programming activities.

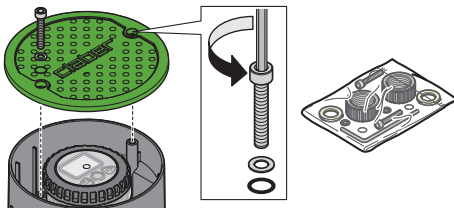


fig.6



- Do not use the water timer with chemicals or liquids other than water.
- Do not use the water timer with operating pressures lower than 0.2 bar (2.9 psi) or higher than 12 bar (174 psi).
- Size the system on the basis of the flow rate of each individual valve

0.2 bar ➔ 4,5 l/min

1 bar ➔ 16 l/min

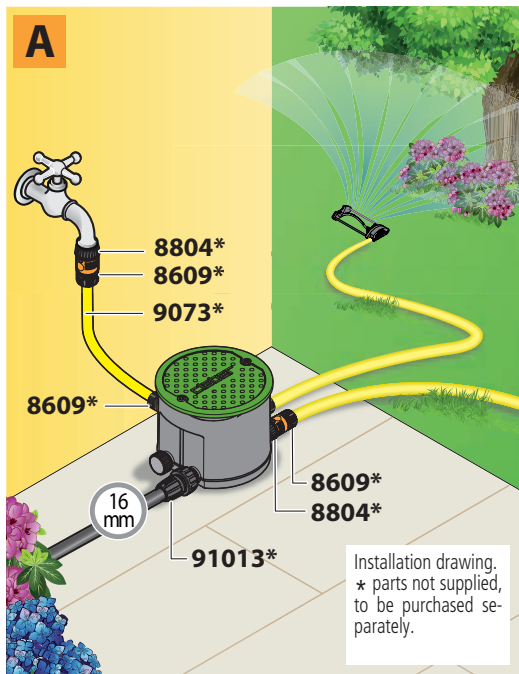
2 bar ➔ 22 l/min

2.5 bar ➔ 25 l/min

3 bar ➔ 27 l/min

4 bar ➔ 31 l/min

5 bar ➔ 35 l/min



B

Installation drawing.
* parts not supplied, to be purchased separately.

91002*

91009*

91025*

91013*

16 mm

16 mm

16 mm

91013*

*



91227

91228

91229



91256

91255

91254

91257

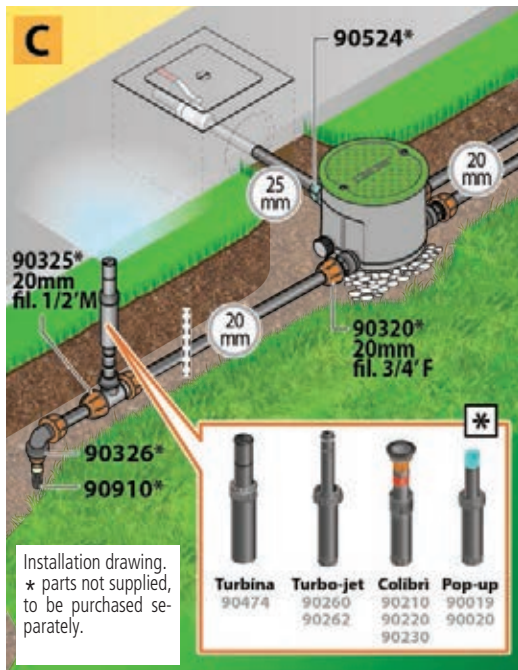
91258

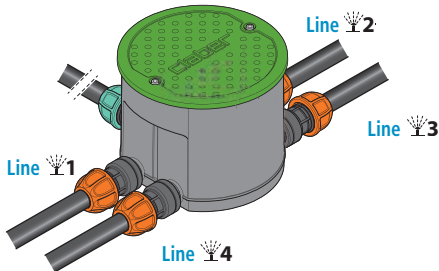


91222

91225

91232





It is possible to set up two watering programmes, **A** and **B**, which operate independently from each other on one or more of the 4 lines **1** → **2** → **3** → **4**.

Each watering Programme, **A** or **B**, can be set to start watering on any day of the week (**WEEKLY SCHEDULE**), up to 4 times a day (**1 2 3 4** **START TIME**) and for a maximum run time of 60 minutes for each line (**▶▶▶▶▶ RUN TIME**).

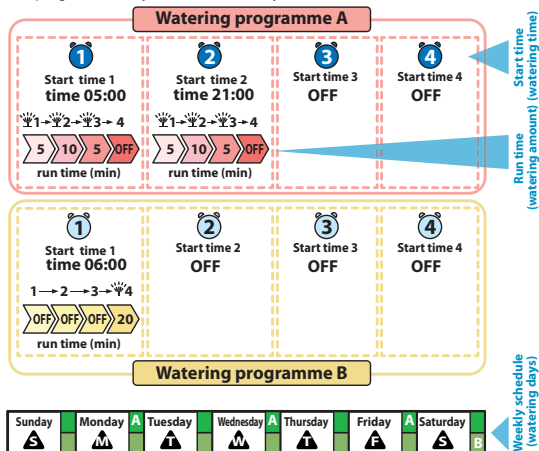
In the section *"USE - PROGRAMMING GUIDELINES"* on page 74 this is explained in detail, while programming is explained in the section *"Use"* on page. 86.

PROGRAMMING EXAMPLE

In the example, programme **A** starts watering at 5:00 (START TIME) and at 21:00 (START TIME2): at these times the valves open in order (RUN TIME: valve 1 for 5 minutes, valve 2 for 10 minutes, valve 3 for 5 minutes, valve 4 not used). The programme starts on Mondays, Wednesdays, Fridays (WEEKLY SCHEDULE).

Programme **B** starts watering at 6:00 (START TIME): at this time only valve 4 opens for 20 minutes (RUN TIME).

The programme only starts on Saturdays (WEEKLY SCHEDULE).

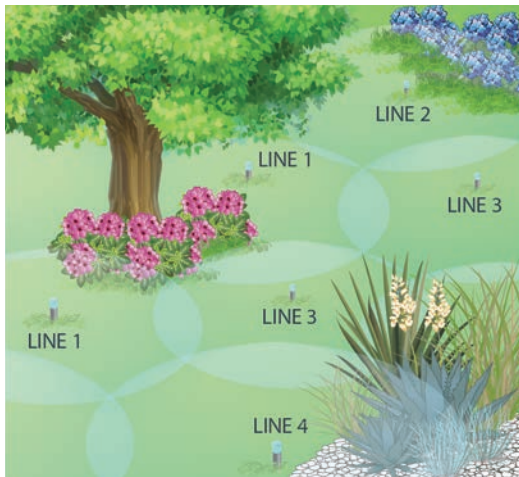




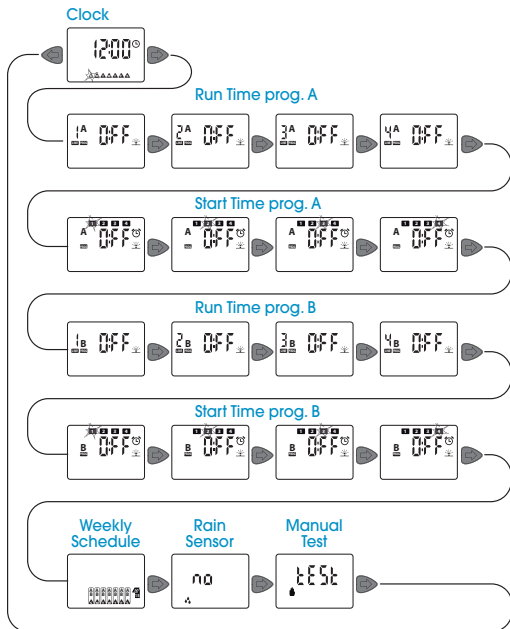
If a programme does not include the use of a line (*in the example, line 4 of programme A*) simply set the watering run time (RUN TIME) of that line to OFF.



If you do not want to use all 4 available daily start times (START TIME) simply set the start time (START TIME) which is not used to OFF (*in the example, START TIME 3 and 4 of programme A and START TIME 2-3-4 of programme B*).



GUIDELINES ON PROGRAMMING



PROGRAMMING PAGES

Page 74 provides information on all the programming pages in the order they appear:  and  allow the user to **SCROLL** through the different pages. The  key lets you **ACCESS THE EDITING** of the parameter displayed.

RUN TIME ➡ guidelines: see page 77 - programming: see page 86

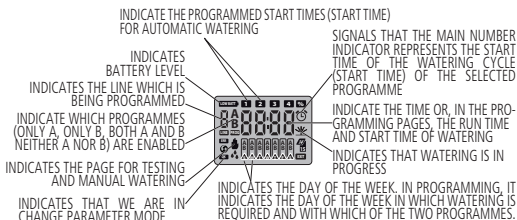
START TIME ➡ guidelines: see page 78 - programming: see page 88

WEEKLY SCHEDULE ➡ guidelines: see page 79 - programming: see page 90

MANUALE/TEST ➡ use: see page 92



DISPLAY

The following functions are assigned to the various keys or combination of keys:

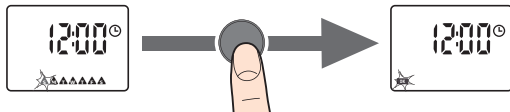




HOW TO USE THE KEYPAD

Only **three** keys let you set all the parameters.

The keys  and  let you **SCROLL THROUGH THE VARIOUS PAGES** in order to select the one desired.

The  key lets you **ACCESS THE EDITING** of the parameter displayed. When  is pressed, **OK** appears in the bottom left display.



With **OK**, the  and  keys turn on and let you edit the value of the parameter displayed.

If a key is not pressed for approximately 5 minutes, the water timer automatically returns to the date and hour page, without confirming the changes in progress.

When the desired value is reached, **EXIT FROM THE CHANGES** by pressing the  key, **OK** will appear on the lower right part of the display.

It is now possible to go back to the page with the  and  keys, and change the values if needed.

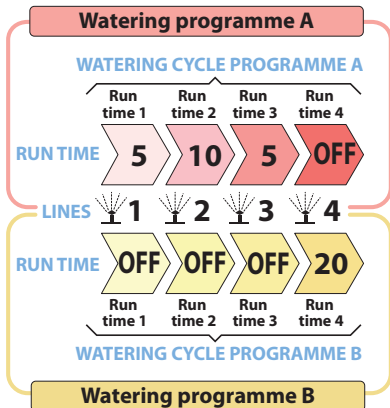
RUN TIME: how long to water

Each **LINE** can be set with its own watering run time (**RUN TIME**) expressed in minutes. The total of the Run Times of the enabled lines determines a **WATERING CYCLE**. The lines are opened in a watering cycle in sequence from Line 1 to Line 4.



If a programme does not include the use of a line (*in the example, line 4 of programme A*) simply set the watering run time (RUN TIME) of that line to OFF.

For further information on how to set the RUN TIME → see page 86



EN USE - PROGRAMMING GUIDELINES

START TIME: watering time

A WATERING CYCLE can be started at the required time (**START TIME**), up to 4 times a day for Programme A and 4 times for Programme B.



If you do not want to use all 4 available daily start times (**START TIME**) simply set the start time (**START TIME**) which is not used to OFF (in the example, **START TIME 3 and 4 of programme A** and **START TIME 2-3-4 of programme B**).

For further information on how to set the **START TIME** ➔ see page 88

Watering programme A

1

Start time 1
time 5:00

1 → 2 → 3 → 4

5 10 5 OFF

run time (min)

2

Start time 2
time 21:00

1 → 2 → 3 → 4

5 10 5 OFF

run time (min)

3

Start time 3
OFF

4

Start time 4
OFF

1

Start time 1
time 06:00

1 → 2 → 3 → 4

60 40 OFF 25

run time (min)

2

Start time 2
OFF

3

Start time 3
OFF

4

Start time 4
OFF

Watering programme B

WEEKLY SCHEDULE: watering days

With weekly programming (**WEEKLY SCHEDULE**) the user can select the days of the week on which the set WATERING CYCLES are independently activated, both for Programme A and Programme B:















only A (only Programme A waters)

only B (only Programme B waters)

both A and B (both Programme A and programme B water)

neither A nor B (no watering).

For further information on how to set the WEEKLY SCHEDULE ➡ see page 90

no watering	only watering as per prog. A	no watering	only watering as per prog. A	no watering	only watering as per prog. A	only watering as per prog. B
Sunday 	Monday 	Tuesday 	Wednesday 	Thursday 	Friday 	Saturday 
	 1 time 05:00		 1 time 05:00		 1 time 05:00	 1 time 06:00
	 2 time 21:00		 2 time 21:00		 2 time 21:00	

EN Use - PROGRAMMING GUIDELINES

Programming limits

The setting limits are as follows:

- RUN TIME: from 1 minute to 1 hour, then OFF
- START TIME: from 00:01 to 23:59, then OFF

The water timer automatically resets the 4 daily start times (START TIME) of both Programme A or B optimising them in order to:

- 1) prevent the watering cycle from starting before the previous cycle has finished;
 - 2) prevent a watering cycle from exceeding the 24 hours of the day.
- It is possible to overlap the times of the Programme A and Programme B watering cycles.



If the system does not have a sufficient flow rate, this could have a negative impact on the quality of the watering.

Indications for correct programming



- Before carrying out any programming activities, make sure that the water timer is correctly installed and the watering lines are properly connected to the outlets.
- If programmes A and B are assigned on the same day, this could cause the simultaneous opening of the two lines: the system does not have a sufficient flow rate, this could have a negative impact on the quality of the watering.
- The simultaneous opening is not signalled by the system: if this is not required, make sure that the settings of the two programmes (A and B) do not overlap or only activate one programme per day.

- ■■■■ on the display indicates an operation is not permitted.



Before programming, make sure you have read section "*USE - PROGRAMMING GUIDELINES*" on page 74

PROGRAMMING EXAMPLE

I have to set the two programmes A and B so that:

Programme "A" enables watering cycle "A" with the following characteristics:

Line 1 for 5 minutes
Line 2 for 10 minutes
Line 3 for 5 minutes
Line 4 closed

} RUN TIME

Start 1 at 5:00

Start 2 at 21:00

Starts 3 and 4 not used (OFF)

} START TIME

Programme A has to start on Mondays, Wednesdays and Fridays.

Programme "B" enables watering cycle "B" with the following characteristics:

Line 4 for 20 minutes (RUN TIME)

Start 1 at 06:00

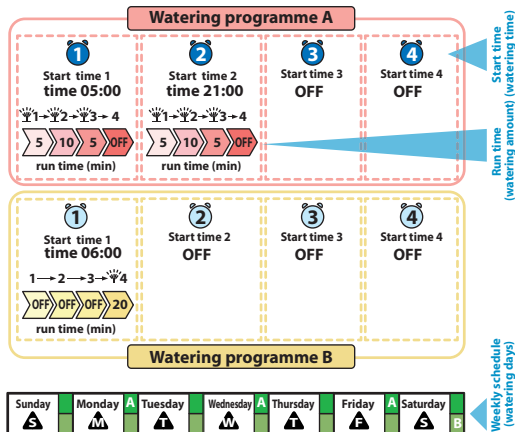
Starts 2,3 and 4 not used (OFF)

} START TIME

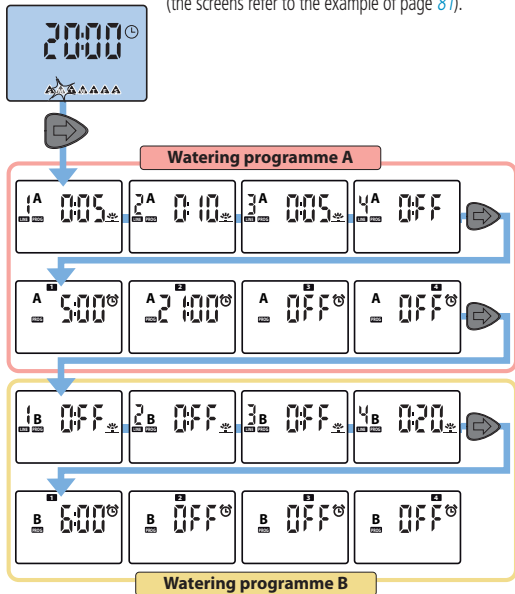
Programme B has to start on Saturdays

EN Use - PROGRAMMING GUIDELINES


Diagram to summarise the example on page 81.




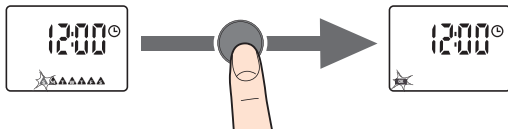
To obtain the two programmes A and B required, set the water timer as follows
(the screens refer to the example of page 81).





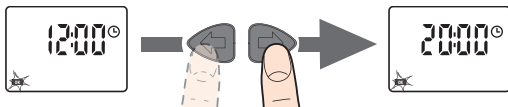
SETTING CURRENT DAY AND TIME

When the batteries are first fitted the display shows the first page current TIME/DAY, indicating as default 12:00 and  Sunday.

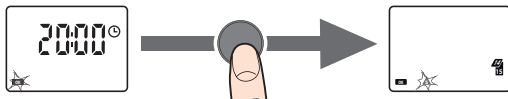
- 1** By pressing , the message **OK** appears and the days of the week disappear.



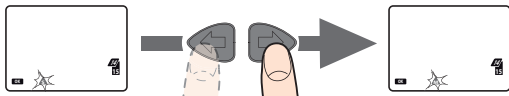
- 2** Press  or  to increase or decrease the current time. By holding down the key, the time progresses more quickly until the required time setting is reached.




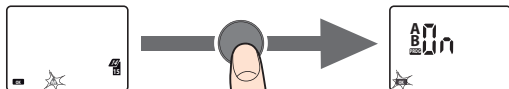
- 3** To confirm the modified parameter press  and move to the screen to set the current day.





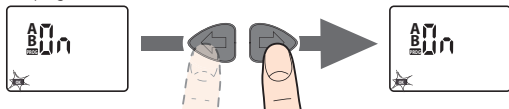
- 4** Press  or  to scroll through and select the current day.




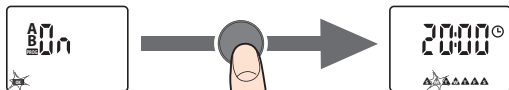
- 5** To confirm the modified parameter press  and move to the screen to set the type of programme to use.



- 6** Press  or  to enable the required programme **A** or **B** or both programmes or set them to OFF.



- 7** To confirm the modified parameter press  and exit programming and return to the time screen.



PROGRAMMING WATERING

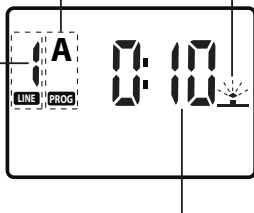
RUN TIME

The RUN TIME page allows the user to set a watering run time for programme A and programme B for each LINE.

Selected watering LINE






Indicates Programme A or B for which the watering parameters are being set

Signals that the main number indicator represents the watering run time (RUN TIME) of the LINE and selected Programmes.



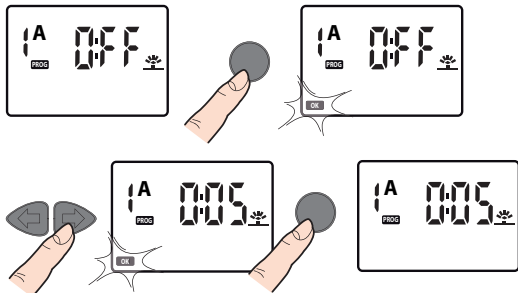
Main number indicator which indicates the watering run time (hour:minutes) envisaged by the (RUN TIME) of the selected line.

Set/modify the RUN TIME

- From the RUN TIME page, press  to enable modification -> the symbol **OK** flashes indicating that the parameters displayed can be modified and require a setting confirmation.
- Using   changes the value displayed (by pressing and holding the keys, the value will change more quickly).
- Press  to confirm the set value. By pressing  the user moves to the RUN TIME setting of the next LINE up to a maximum of 4 lines to form a WATERING CYCLE).



If a watering cycle does not include the use of a specific line, simply set the watering run time of that line to OFF.



EN Use - WATERING PROGRAMMING

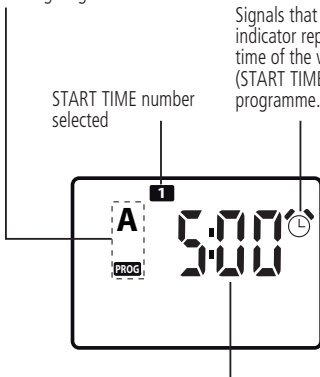
START TIME

The START TIME page allows the user to set up to start times per day for the WATERING CYCLE for programme A and 4 times for programme B.

This indicates programme A or B in the selection and displayed parameter setting stage






START TIME number selected

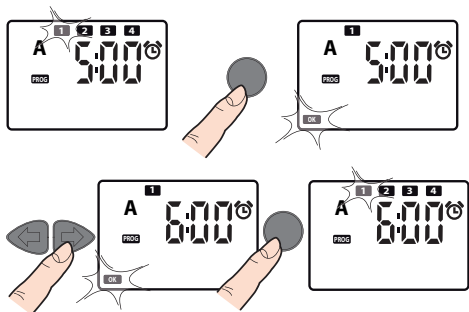
Signals that the main number indicator represents the start time of the watering cycle (START TIME) of the selected programme.



Main number indicator which indicates the START TIME selected

Set/modify the START TIMES

- From the START TIME page, press  to enable modification of the START TIME **1** -> the symbol **OK** flashes indicating that the parameters displayed can be modified and require a setting confirmation.
- Using   changes the value displayed (by pressing and holding the keys, the value will change more quickly).
- Press  to confirm the set value.
- If necessary, set the times of the next START TIMES **2 3 4** by pressing  and repeating the operations described above.



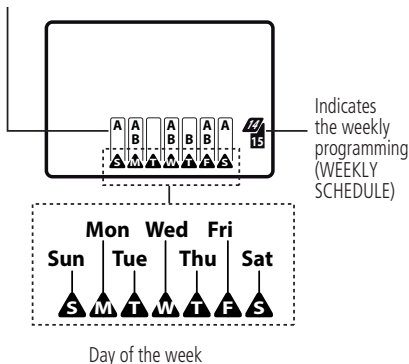
If not all 4 daily start times are used, simply set the unused starts to OFF.

EN Use - WATERING PROGRAMMING

WEEKLY SCHEDULE

With the weekly programming (**WEEKLY SCHEDULE**) the user selects the days of the week on which the set WATERING CYCLES are activated.

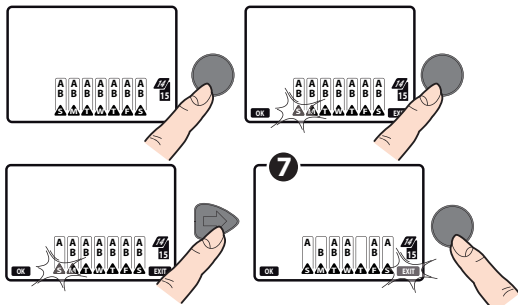
Indicates which programme (only A, only B, both A and B, neither A nor B) is assigned to each day of the week



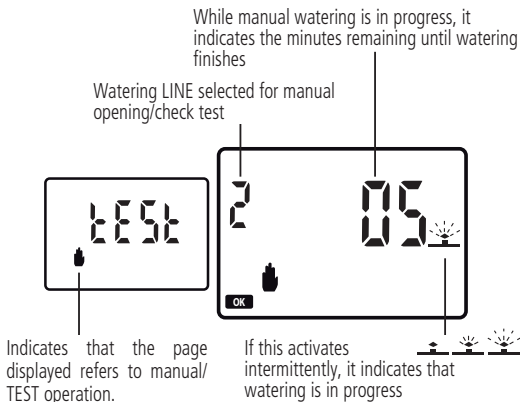
If programmes A and B are assigned on the same day, this could cause the simultaneous opening of the two lines: the system does not have a sufficient flow rate, this could have a negative impact on the quality of the watering.

Assigning days of the week to the programmes








- From the WEEKLY SCHEDULE page, press -> the symbol flashes =Sunday.
- Each time is pressed, the screen displays which programme is to start on that day (only A, only B, both A and B, neither A nor B).
- Press to move on to the next days and proceed in the same way to programme the days.
- To exit, go to **EXIT** by pressing a number of times; when it flashes, press to display the screen WEEKLY SCHEDULE again.




TEST/MANUAL WATERING






Start manual/test watering

- From the TEST page press .
- Press   to select which valve is to be activated, press  to activate it for 5 minutes.
- Press   to change the manual watering run time (optional). The symbol  appears and flashes on the display together with the number of minutes of manual watering remaining.

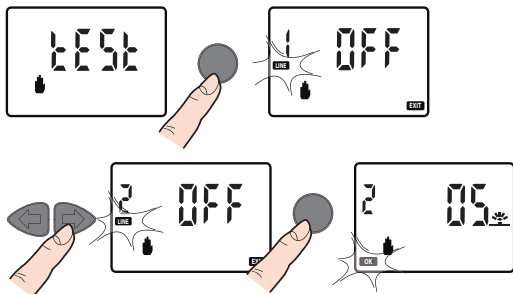
- The solenoid valve automatically closes and stops watering operations when the set watering minutes have been reached. If you wish to stop watering operations in advance, press  and the message OFF appears on the display.

Exiting the test/manual watering page

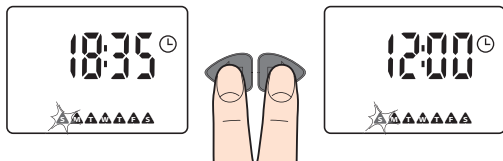
- Move to the page where TEST is displayed with the symbols  and **EXIT** flashing.
- Press  to exit TEST/manual mode.
- Press  to go back to the page with the clock.





By entering TEST mode, any automatic watering is stopped but this will be restored on exit.



RESET






The factory settings can be restored by pressing and holding down  and  at the same time until 12:00 appears on the display (approx. 10 seconds). Then, completely reprogramme the water timer as described in the programming sections.

ENABLING PROGRAMMES A AND B AND SETTING TO OFF

Activating/deactivating programmes A and B of the water timer is useful in managing:

- **watering requirements based on the season:** for example, programme A can be set for the summer - maximum watering requirements, and programme B for the spring - low watering requirements;
- **simplified programming:** if just one programme is sufficient for your watering requirements, it is possible to eliminate the display of the pages of the other programme, simplifying setting operations for the programme being used.
- **setting to OFF:** to temporarily stop watering without losing the programme settings, as described below.

Enabling/disabling programmes A and B

- The display normally shows the current TIME/DAY screen; press  to go into the time programming and press it twice more.
- Then press   to select which programme is to be enabled.
The possible selections are:



only programme A

(symbol A activated)

The selected unit operates on the basis of the settings of just programme A

EN Use - WATERING PROGRAMMING



only programme B

(symbol B activated)

The selected unit operates on the basis of the settings of just programme B



both programme A and programme B

(symbols A and B both activated)

The selected unit operates on the basis of the settings of Programmes A and B



If programmes A and B are assigned on the same day, this could cause the simultaneous opening of the two lines: the system does not have a sufficient flow rate, this could have a negative impact on the quality of the watering.

Set to OFF









neither programme A nor programme B





Watering is temporarily suspended but the parameters set for programme A or B are stored in the memory.

- Once the selection has been made, press ● to confirm enabling of the programme/s displayed.

RAIN SENSOR RF

- From the RAIN SENSOR page  (see page 74) press  -> activates when the Rain Sensor RF activates/deactivates.
- 

 Press  to move the status from "yes" (sensor activated) to "no" (sensor deactivated) and vice versa.
- Confirm by pressing .

Status of Rain Sensor RF:

-  Off: Sensor EMPTY or not active for the water timer.
-  Permanently on: Sensor FULL or active for the water timer. With the sensor FULL any watering programmes are interrupted and other programmes start automatically while the symbol  remains active.
-  Active and flashing: the water timer has not received any information from the Rain Sensor RF for more than 24 hours and is working independently from the sensor. Check the Rain Sensor RF installation and batteries.



EN Cleaning and maintenance

Clean the outside of the valve box and the control module when necessary using a soft cloth dampened slightly with water or specific detergent: follow the detergent cleaning instructions. Do not use abrasive pads, scourers or acid detergents.

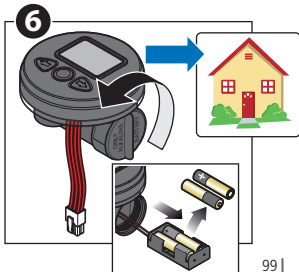
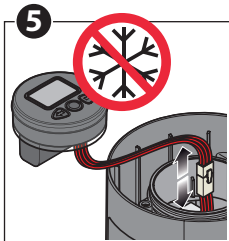
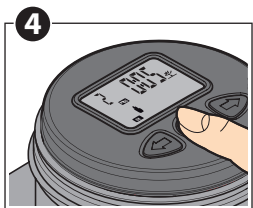
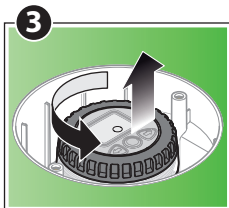
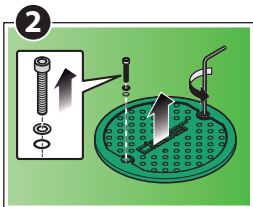
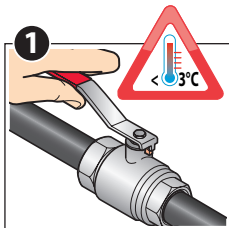


In winter or long periods of inactivity:

- 1** close the tap or the gate valve upstream;
- 2 3 4** access the control module and manually open all 4 lines in sequence to discharge the pressure (please refer to section *test/manual watering* on page 92);
- 5 6** remove the water timer , store it in a dry area where the temperature does not fall below 3 °C and remove the batteries.

Cleaning and maintenance



EN



EN Diagnostics

The following table provides useful instructions for safely dealing with possible malfunctions that you might encounter during the use of the watering system.

PROBLEM	SOLUTIONS
The water timer does not work (display turned off)	<i>The batteries are completely flat or not fitted correctly (for further information please refer to section "Fitting batteries" on page 60).</i>
	<i>The water timer is defective; contact CLABER technical assistance for repair, through the dealer.</i>
The water timer works (display on) but does not water as programmed	<i>No water supply: inspect and restore.</i>
	<i>Rain sensor intervention (for further information please refer to section Use with Rain Sensor (optional) on page 97)</i>
	<i>Check:</i> <ul style="list-style-type: none">- <i>that the rain sensor is connected correctly and that it works;</i>- <i>that the Rain sensor is fitted with charged batteries and that it communicates with the water timer;</i>- <i>the status of the water timer filter and clean it if necessary (for further information please refer to section Cleaning and maintenance on page 98);</i>- <i>the correct connection of the watering line.</i>
	<i>Problems to the solenoid valve inside the water timer; contact CLABER technical assistance for repair, through the dealer.</i>

<p>After the batteries have been changed, watering programmes take place at times and/or days different to those set before the batteries were changed.</p>	<p><i>When replacing the batteries, the clock time and the current date are stored for a maximum of 30 seconds. Once this time period has passed, they must be reset (please refer to section Use - SETTING CURRENT TIME/ DAY on page 84).</i></p>
<p>The water timer does not work properly</p>	<p><i>The factory settings can be restored by pressing and holding down  and  at the same time until 12:00 appears on the display (approximately 10 seconds). Then, completely reprogramme the water timer as described in the programming sections.</i></p>

EN Technical specifications

Power supply:	Two AAA 1.5V IEC (LR03) Alkaline batteries
Average life of the battery:	1 year
Ingress Protection:	IP 68
Operating temperature:	3-60 °C
Operating pressure:	MAX: 10/12 bar (145/174 psi) MIN: 0.2 bar (2.9 psi)
Plastic materials:	>ABS< >TPE< >PC<

Disposal (WEEE)



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.

Guarantee conditions

This device is guaranteed for two 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.

Guarantee conditions

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 guarantee is void in the event of:

- Lack of physical proof of purchase (invoice, receipt or cash register receipt)
- Use or maintenance different from what is specified in this manual
- Disassembly or tampering by unauthorised personnel
- Faulty installation of the product;
- Damages from atmospheric agents (e.g. temperatures lower than 3°C and installed product)
- Damages from chemical agents (e.g. chlorine, fertilizers, etc...)

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.

For additional information on its authorized service centres, you may:

- Call Claber Spa ➡ (+39) 0434.958836
- Send a fax ➡ (+39) 0434.957193
- Send an email ➡ info@claber.com

All other conditions are covered by the General Conditions of Sale

Indicate the product serial number

--	--	--	--	--	--	--

EN CE Declaration of conformity

Claber S.p.A.

Via Pontebbana 22 – 33080 – Fiume Veneto – Pordenone Italy

Assuming full responsibility, we declare that the product:

90829 - HYDRO 4 - In-built prefitted timer valve box

complies with European directives 2004/108 with reference to technical standards:

IEC EN 61000-6-1 :2007;

IEC EN 61000-6-3 :2007.

Fiume Veneto, 20/06/2014

CE 14

Certification Officer

Avv. Spadotto

