

C 1060 solar Art. 1866

- GB** **Operating Instructions**
Water Computer
-
- F** **Mode d'emploi**
Programmateur d'arrosage
-
- NL** **Instructies voor gebruik**
Besproeiingscomputer
-
- S** **Bruksanvisning**
Bevattningscomputer
-
- DK** **Brugsanvisning**
Vandingscomputer
-
- RUS** **Инструкция по эксплуатации**
Компьютер для полива

GARDENA Water Computer C 1060 solar

Welcome to the Garden of GARDENA...



Translation of the original instructions from German.

Please read these operating instructions carefully and observe the notes given. Use these instructions to familiarise yourself with the Water Computer and its proper use as well as the notes on safety.



For safety reasons, children and young people under 16 as well as anyone who is not familiar with these operating instructions should not use the Water Computer.

Persons with reduced physical or mental abilities may use the product only if they are supervised or instructed by a responsible person.

→ Please keep these operating instructions in a safe place.

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1. Where to Use Your GARDENA Water Computer

Intended use:

The GARDENA Water Computer is intended for private use in domestic and hobby gardens, exclusively for outdoor use, to control sprinklers and watering systems.

The Water Computer can be used for automatic watering during holidays.

Please note:



The GARDENA Water Computer must not be used for industrial purposes or in conjunction with chemicals, foodstuffs, easily flammable and explosive materials.

2. Safety Instructions

Rechargeable battery and solar cells

Danger of damaging the Water Computer!

The Water Computer must only be operated using a rechargeable battery (1 x lithium-ion 7.4 V 0.68 Ah rechargeable batteries).

→ Do not use alkali-manganese batteries.

Charging can cause them to leak out over the solar cells.

→ To retain the programs in the memory during the winter, ensure that the solar

cells are not covered over and that the Water Computer is not stored in a place which is permanently dark.

Setting up

Warning!

The Water Computer must not be used indoors.

→ Only use the Water Computer outdoors.

The Water Computer may only be set up vertically with the sleeve nut to the top to prevent water penetrating into the battery compartment.

The minimum water output to ensure that the Water Computer functions correctly is 20 – 30 l/h.

For example, at least 10 x 2-litre Drip Heads are required to control the Micro-Drip-System.

At high temperatures (over 60 °C at the display) the LCD display may extinguish. This does not affect the program in any way.

When the computer cools down the LCD display illuminates again.

The max. temperature for the water flow is 40 °C.

→ Only use clear fresh water.

The minimum operating pressure is 0.5 bar, the maximum operating pressure is 12 bar.

Avoid tensile strain.

→ Do not pull the hose connected to the Water Computer.

Programming

→ Program the Water Computer with the tap turned off.

In this way you can avoid getting wet when trying out the manual On / Off function (man. On/Off). You can remove the control unit from the housing to program the Water Computer.

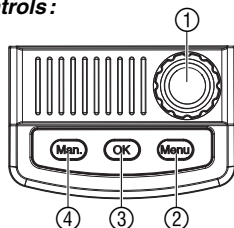
If the controller is removed when the valve is open, the valve remains open until the controller is fitted again.

3. Function

With the Water Computer, the garden can be watered fully automatically at any time of day. Sprinklers, a sprinkler system or a drip head watering system can be used for watering.

The Water Computer carries out watering fully automatically according to the set programs and can therefore also be used during holidays. Evaporation is lowest in the early morning or late evening.

Controls:



The watering programs are easily entered using the controls.

Control

- ① **Rotary button**
- ② **Menu button**
- ③ **OK button**
- ④ **Man. button**

Function

- Changes the adjustable values.
- Switches to the next display level.
- Applies the values set with the rotary button.
- For switching the water throughput on or off manually.

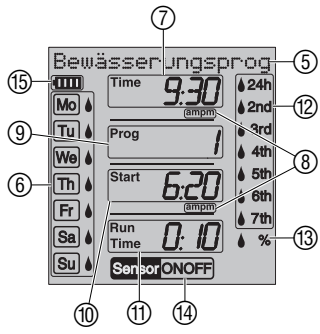
Display levels:

The 4 display levels can be selected one after the other by pressing the **Menu** key.

- Level 1: **Normal display (shows the current or next watering programme)**
- Level 2: **Current time and day of the week**
- Level 3: **Enter watering programs**
- Level 4: **Turning watering programs on and off**

You can change the display level at any time, even during programming. All program data that has been changed up till now and confirmed by pressing **OK** will be saved.

Display panel:







Display	Description
⑤ Ticker	Explanation of the program step / Computer status.
⑥ Weekdays (Mo), (Tu), ...	Current weekday or programmed watering days.
⑦ Time	Flashes when entering the current data (Time - hours, minutes, day of the week).
⑧ am / pm	Display for 12 hour clock (e. g. in USA, Canada).
⑨ Prog	Program-controlled watering (Prog 1 – 5) / % (percentage change in run time) (Prog 10) / Watering with automatic water distributor (Prog 11) / Soil moisture sensor-controlled watering (Prog 12 – 14) / Watering program on (ON) / off (OFF).
⑩ Start	Watering start time (flashes when in input mode).
⑪ Run Time	Watering duration (flashes when in input mode).
⑫ 24h, 2nd, 3rd, 4th, 5th, 6th, 7th	Watering cycle (with drop symbol activated). Every 24 hours; every 2/3/4/5/6/7 days.
⑬ % (Run Time)	Budget function: Watering duration for all watering programs can be set centrally in 10% steps from 100% down to 10%.
⑭ Sensor ON / OFF	Sensor: Sensor is connected. ON: Sensor dry -> irrigation OFF: Sensor moist -> no irrigation ON+OFF off: Sensor deactivated
⑮ Battery	Indicates 5 battery levels: 3 bars: Battery fully charged 2 bars: Battery half full 1 bar: Battery low 1 bar flashing: Battery almost flat 0 bar: Battery flat

If no bars are displayed, the valve is no longer opened. **A valve opened by the program will also close again if the battery is flat.** The **battery display** is reset when the battery is replaced for < 10 seconds.

Sleep Mode:

When the battery display shows 2 bars, the display turns off during the night (22:00 - 06:00); if it shows only 1 bar, the display turns off after one minute. During watering, or when any button is pressed, the display goes into sleep mode.

2 Bars	1 Bar	1 Bar flashing	0 Bar
			
Battery half full	Battery low	Battery almost flat	Battery flat
Valve opens.	Valve opens.	Valve still opens.	Valve does not open.
The Water Computer is guaranteed to work for a minimum of 4 more weeks.	The Water Computer will continue to work for no more than 4 weeks.	The Water Computer stops working soon.	The Water Computer stops working.
	It is advisable to charge the battery.	The battery must be charged soon.	The battery must be charged.
	Charging the battery: Place Water Computer in the sun for 1 - 2 days.		

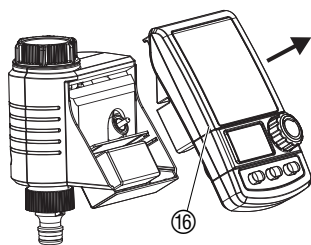
4. Putting Your Water Computer into Operation

Insert battery:



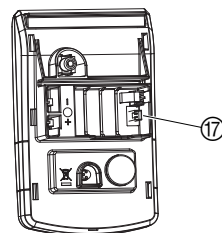
Risk of damage to the Water Computer.

→ Do not use alkali-manganese batteries.
Charging can cause them to leak out over the solar cells.



1. Remove controller ⑯ from the housing of the Water Computer.
2. Insert the supplied rechargeable battery into the battery compartment and insert the battery plug into the battery connection socket ⑰.

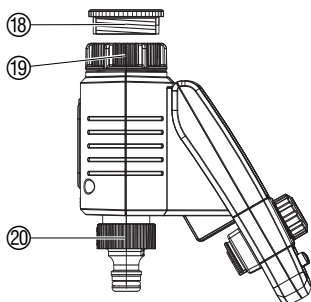
The display shows all LCD symbols for 2 seconds and then switches to language selection. (see 5. Programming).



3. Install controller ⑯ on the housing again.
4. Place the Water Computer in the sun for 1 - 2 days before programming it.

This Water Computer can only be operated with an original rechargeable battery from GARDENA.

Connect Water Computer:



The Water Computer is fitted with a sleeve nut ⑱ for taps with (G 1") (33.3 mm) thread.

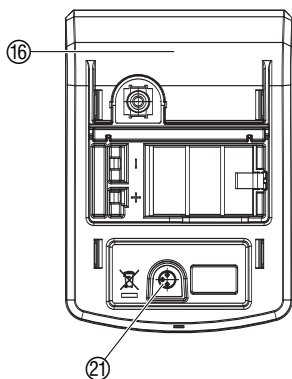
The adapter supplied ⑱ is used to connect the Water Computer to the tap with 26.5 mm (G 3/4") threads.

1. **For 26.5 mm (G 3/4") threads:** Screw the adapter ⑱ to the tap by hand (do not use pliers).
2. Screw sleeve nut ⑱ of the Water Computer on to the adaptor thread by hand (do not use pliers).
3. Screw tap connector ⑳ on to the Water Computer.

Connect soil moisture or rain sensor (optional):

Apart from scheduled watering there is also the option of including how damp the soil is or rainfall into the watering program.

If the soil is damp enough, the program will be stopped, or a program will be prevented from starting. Manual operation via Man. On / Off is unaffected by this.



The “Soil moisture sensor-controlled watering” mode can only be selected when using a soil moisture sensor (see 5.2 Special programs).

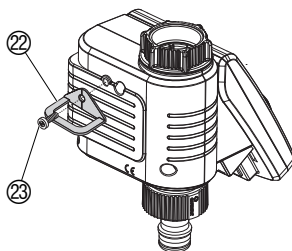
1. Remove controller ⑯ from the housing of the Water Computer.
2. Place soil moisture sensor **in** the watered area
– or –
place rain sensor (with extension cable if necessary) **outside** the watered area.
3. Insert the sensor in the sensor connection ⑳ of the Water Computer.

Sensor will be shown on display.

An adapter cable may be required to connect older sensors, which can be purchased from GARDENA Service, **GARDENA Adapter cable Art. No. 1189-00.600.45.**

Fit anti-theft device (optional):

To secure your Water Computer against theft, you can obtain the **GARDENA Anti-theft device Art. No. 1815-00.791.00** from GARDENA Service.



1. Screw clamp ㉒ with screw ㉓ firmly to the back of the Water Computer.
2. Use clamp ㉒ e.g. for fixing a chain.

It is no longer possible to remove the screw after it has been screwed in.

Compile watering plan:

Before you start entering the watering data in the computer we recommend that you write the data on one of the **watering plans in the appendix** to maintain more of an overview.

Example:

Program	Start time	Watering-duration	Watering days							Watering cycles						
Prog	Start	Run Time	Mo	Tu	We	Th	Fr	Sa	So	24h	2nd	3rd	4th	5th	6th	7th
1	7:30	0:30	X		X			X								
2	19:00	0:20		X			X									
3	22:30	1:10	X			X			X							
4	4:00	0:15										X				
5	-	-														
6	-	-														

5. Programming

Watering modes:

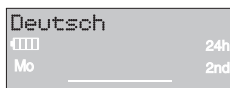
The Water Computer has 3 watering modes:

- Begin **Program-controlled watering (Prog 1 – 6)** using the programs entered (Watering begins depending on the watering start times)
 - or –
- **Watering with water distributor (Prog 11 / 15)** using the GARDENA water distributor (watering of up to 6 watering lines)
 - or –
- **Soil moisture sensor-controlled watering (Prog 12 – 14)** using a GARDENA Soil Moisture Sensor (watering begins when the soil moisture sensor registers dry).

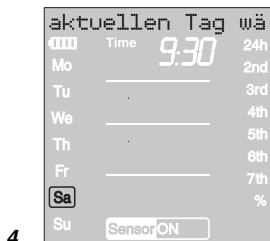
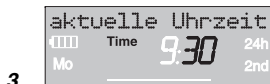
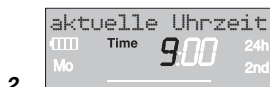
5.1 Basic programming

The controller can be removed to program the unit and programming can be done on the move (see 4. Putting Your Water Computer into Operation “Inserting battery”).

Setting language:



Set current time and day of week:



1. **Insert rechargeable battery** (see 4. Putting Your Water Computer into Operation).

The language English flashes.

2. Set the language by turning the rotary button (**E.g.** English) and confirm by pressing **OK**.

The ticker Enter current time appears.

1. Press **Menu** (not necessary if the language has been set).

The ticker Enter current time appears.

Time and the hour display will flash on the screen.

2. Set the time in hours with the rotary button (example: **9** hours) and confirm with the **OK**-key.

Time and the minutes display flash.

3. Set the time in minutes with the rotary button (example: **30** minutes) and confirm with the **OK**-key.

The ticker Select current day appears.

Time and the day of the week display flash.

4. Set the day of the week by turning the rotary button (E.g. **Sa** Saturday) and confirm with **OK**.

The ticker Select program no. appears.


Prog and the program number flash on the screen.


Entering watering program:

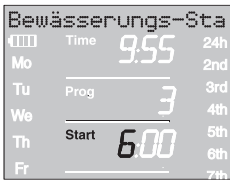
Program-controlled watering (Prog 1 – 6):

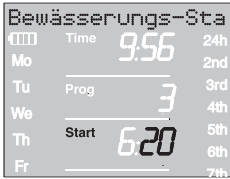
Up to 6 programs can be entered using program-controlled watering (Prog 1 to 6).

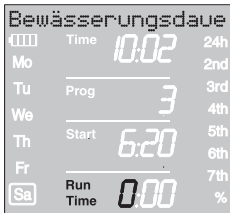
1. Press **Menu**-key twice
(not necessary if the current time and day of the week has been entered).
The ticker Select program no. appears.
Prog and the program number flash on the screen.

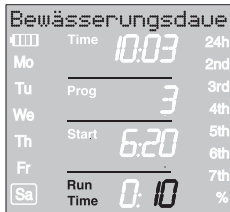

2. Use the rotary button to set the program number (E.g. Prog 3) and confirm by pressing **OK**.
The ticker Enter watering start time appears.
Start and the hour display will flash on the screen.


3. Set the hours for starting the watering time with the rotary button (example: 6 hours) and confirm with the **OK**-key.
Start and the minutes section flash on the display.


4. Set the minutes for starting the watering time with the rotary button (example: 20 minutes) and confirm with the **OK**-key.
The ticker Enter watering duration appears.
Run Time and the hours for the watering time flash on the display.

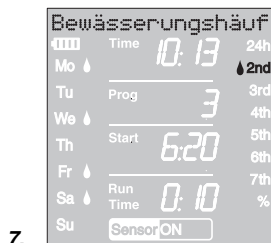

5. Set the hours for the watering time with the rotary button (example: 0 hours) and confirm with the **OK**-key.
Run Time and minutes for the watering time flash on the display.


6. Set watering time minutes with the rotary button (example: 10 minutes) and confirm with the **OK**-key.
The ticker Enter watering frequency appears.
Watering cycle ♀ 24h flashes on the display.



The watering frequency can be selected by:

- the **(7.) watering cycle** (right hand column of the display)
– or –
- the **(8.) watering days** (left hand column of the display).



7. Select **watering cycle** with the rotary button (E.g. **2nd**) and confirm by pressing **OK**.

24h / 2nd / 3rd / 4th / 5th / 6th / 7th:

Watering every 24 hours / every 2. / 3. / 4. / 5. / 6. / 7. days

The week preview is displayed in the left hand column for 2 seconds.

The ticker Select program no. appears and the display jumps back to Step 2 and the next program number up flashes.

– or –

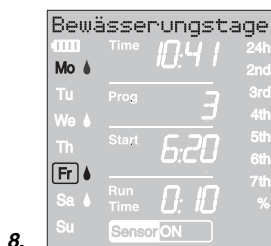
8. Select **each watering day** with the rotary button (E.g. **Mo**, **Fr** Monday and Friday) and confirm by pressing **OK**.

The ticker Enter watering days appears.

9. Press the **Menu** button

The ticker Select Program no. appears.

The display jumps back to Step 2 and the next program number up flashes.



If program number **5** has been created the ticker **Watering programs ON** is displayed.

Prog ON flash on the display.

If not all 6 programs are to be entered you can use the menu button to switch to the “Start watering programs” display level.

Starting watering programs:

The **Prog ON** must be selected so that the watering programs can start. If **Prog OFF** is selected the watering programs do not run.



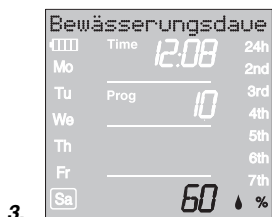
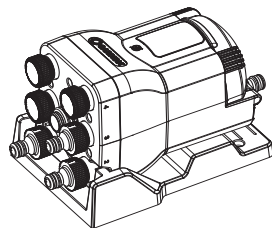
1. Press **Menu** 3 times (not necessary if the program has already been created with program number **5**).

2. Select the **Prog ON** with the rotary button and confirm by pressing **OK**.

*The ticker Programm OK is displayed for 2 seconds and then the display jumps to the **normal display**.*

The Water Computer has now been programmed, i.e. the inbuilt valve opens and closes completely automatically and thus waters at the programmed times.

Even if the **Prog OFF** is selected watering can be done manually.

(Prog 10) % Run-Time:**Prog 11 and Prog 15
(Water Distributor):****Prog 15 for Water Distributor
automatic Art. 1197:****5.2 Special programs**

The programmed watering durations of the 6 watering programs can be reduced centrally in 10% steps from 100% down to 10% without changing the 6 programs. E.g. watering durations in Autumn must be shorter than in Summer.

1. Press the **Menu** button continuously for 5 seconds (when changing from **Prog 11** "Automatic Water Distributor", press **Menu** button twice; when changing from **Prog 15** "Water Distributor", press Menu button 3 times).

Prog and the program number flash on the screen.

The ticker Change watering time percentage is displayed.

2. Select program number **10** by turning the knob and confirm with **OK**.

The % steps flash on the display.

3. Turn the knob to select the required programmed watering duration percentages (E.g. **60** %) and confirm with **OK**.

The % symbol is displayed in the normal display.

Note: When the percentage of the watering duration is changed the display of the originally programmed watering durations in the 6 programs stays as it is.

By connecting a GARDENA Water Distributor automatic **Art. 1197** / Automatic Water Distributor **Art. 1198**, up to 6 connecting devices can be controlled with the Water Computer. Each of the 6 connecting devices can be controlled a maximum of once per day.

Ideal if there is not a sufficient amount of water to simultaneously operate several connecting devices or if individual plants require varying amounts of water. Allows all connecting devices to be operated one after the other.

Preprogramming **Prog 15** takes into account the minimum required 5 minute breaks between the programs and a minimum watering duration of 30 seconds (display 1 Min.). This watering duration is necessary so that the automatic water distributor switches over to the next outlet and the watering programs are allocated correctly to the corresponding watering lines.

1. Press **Menu** button for 5 seconds.

Prog and the programme numbers flash on the screen.

2. Select programme no. **15** with the rotary button and confirm with **OK**.

The message Select number of active outlets is shown.

The number of active outlets flashes on the display.

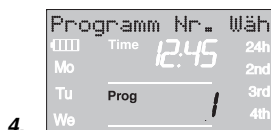


3. Select number of watering lines (2 to 6) with rotary button (e.g. **4**) and confirm with the **OK** button.

The message Select programme no. is shown.

Prog and the programme numbers flash on the display.

On initial programming, the following Step 4 will be skipped to ensure that all active channels are programmed.



4. Select the desired programme number with the rotary button (e.g. **1**) and confirm with the **OK** button.

The message Set watering start time is shown.

Start and the watering-start-time hours flash on the display.



5. Set watering start time (e.g. **18:00**), watering duration (e.g. **0:10**) and watering cycle (e.g. **24h**) (refer to "Set watering programme" from Step 3 on).

The message YES/NO is shown.

OFF flashes on the display.



6. Select sensor activated (**ON**) or deactivated (**OFF**) with the rotary button (e.g. **ON**) and confirm with the **OK** button.

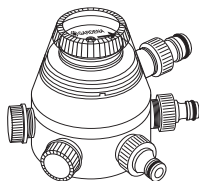
The next higher programme number flashes on the display.

If all programmes have been entered, the watering programmes still need to be activated, see "**Activate watering programmes**".

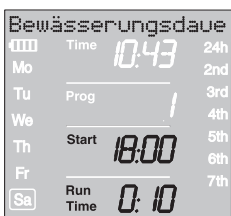
Instructions for Prog 15:

- The maximum watering duration is 2 hrs 59 min.
- All watering sessions must take place within 1 day (last watering ends at 23:55).
- An overlapping of a watering programme is shown in the info-line. After a programme has been set that overlaps with the next one, the watering duration of the following programme will be set to 1 min.
- If the number of active watering lines is reduced, the remaining lines will be deleted.
- If the number of watering lines is increased, all programmes will be reset.
- Manual watering via the MAN button is not possible; however, active watering can be interrupted.
- The sensor assignment per programme will be asked and programmed even when a sensor is not connected. When a sensor is not connected, no sensor will be shown on the normal display.
- If the sensor has been deactivated for a programme, irrigation will always be carried out regardless of the sensor and the display will only show Sensor without ON/OFF.

Prog 11 for Automatic Water Distributor Art. 1198:



2.



3.

Prog OFF and Prog 11 and Prog 15:

Soil moisture sensor / rain sensor and Prog 11 / Prog 15 :

Leave watering with Water Distributor again:

Preprogramming **Prog 11** takes into account the minimum required 5 minute breaks between the programs and a minimum watering duration of 30 seconds (display 1 Min.). This watering duration is necessary so that the automatic water distributor switches over to the next outlet and the watering programs are allocated correctly to the corresponding watering lines.

The watering frequency entered for the first watering program applies by design to watering programs 2 - 6 too.

1. Hold the **Menu** button down for 5 seconds.
Prog and the program number flash on the screen.
2. Select program no. **11** with the knob and confirm with **OK**.
The ticker Enter watering start time appears.
Start and the hour display will flash on the screen.
3. Set the watering start time (E.g. **18.00**) and watering duration.
(E.g. **0:10**) for program 1 (**Prog 1**) (see "Set watering program" from Step 3).
4. Set the watering duration for programs **2 - 6**.

If the watering programmes are deactivated (Prog **OFF**) after confirmation of **Prog 11 / Prog 15**, or the watering duration (Run Time) is set to 0, then all programmes starting at this time will not be carried out.

To retain assignment of programmes to Water Distributor outlets, **Prog OFF** may only be activated on completion of the last programme of the day.
Prog ON may also only be activated before the start of Programme 1.

If **Prog 11 / Prog 15** is selected and the soil moisture or rain sensor registers sufficient moisture (Sensor **OFF**), a running watering program is stopped. The time of the following waterings are reduced to 30 seconds. (Display: 1 min.) until the soil moisture or rain sensor allows watering again. Then the originally entered watering duration is run again.

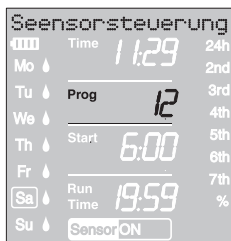
Reducing watering because the soil moisture is sufficient ensures that the automatic water distributor switches to the next outlet and thus the watering programs are allocated correctly to the relevant distributor outlet.

This applies to **Prog 15** even when varying watering days per programme have been selected.

→ Hold the **Menu** button down for 5 seconds.

The normal display appears on the screen again.

Prog 12 / Prog 14 Soil moisture sensor- controlled watering



2.



3.

Condition: the GARDENA Soil Moisture Sensor **Art. 1188** is connected (see 4. Putting Your Water Computer into Operation).

The previously set programs for program-controlled watering (Prog 1 to 5 are retained but they do not run.

1. Hold the **Menu** button down for 5 seconds.
Prog and the *program number flash on the screen.*
2. Select the required watering cycle by turning the knob (e.g. **Prog 12**) and confirm by pressing **OK**.

Prog 12 Watering throughout the day (6a.m – 8 p.m.) if the soil moisture sensor registers dry.

Prog 13 Watering during the night (8 p.m. – 6 a.m.) when the soil moisture sensor registers dry.

Prog 14 Watering when the soil moisture sensor registers dry.

Run Time and the *watering duration minutes flash on the screen.*

3. Set the watering duration in minutes (0 – 59 minutes) with the rotary button (E.g. **40** minutes) and confirm by pressing **OK**.

Watering starts in the set watering cycle as soon as the soil moisture sensor registers dry (Sensor ON).

The watering duration set in the sensor-controlled watering mode also applies to manual watering.

In the case of soil moisture sensor-controlled watering, a two hour watering pause is triggered after every watering cycle in order for the soil moisture sensor to record the soil moisture.

Example:

Watering cycle = **Prog 12** (Watering throughout the day)

Watering duration = 40 minutes.

Watering begins when the sensor registers dry (Sensor **ON**) during the day (between 6 a.m. and 8 p.m.) and ends up to 40 minutes later depending on the amount of moisture in the soil.

The watering duration is preset to 30 minutes at the factory.

Emergency program:

If no sensor is inserted in sensor-controlled watering mode or if the connection cable is faulty, watering will take place every 24 hours. The watering duration depends on the run time but is limited to a maximum of 30 minutes.

→ Hold the **Menu** button down for 5 seconds.

The normal display appears on the screen again.

**Exit soil moisture sensor-
controlled watering again:**

Read / modify watering programs:

5.3 Other settings:

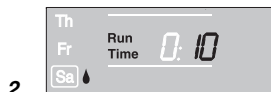
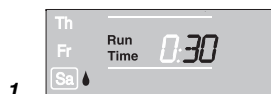
If a value in the program is to be changed, this can be changed without changing the other values in the program.

1. Press the **Menu** key twice.
Start and the hours flash on the display.
2. Press the **Menu** button to jump to the next program level
– **or** –
change the program data with the rotary button and confirm by pressing the **OK** button.

If the watering period is changed while a program is running, the current watering is ended.

Manual operation:

The valve can be **opened or closed manually at any time**. A program-controlled open valve can also be closed early without changing the program data (Watering start time, watering duration and watering frequency).
The controller must be fitted.



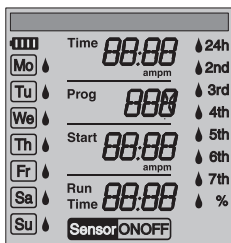
1. Press **Man.-**key to open the valve manually (or to close an open valve).
Run Time and the watering time in minutes (set to 30 minutes in the works) flash for 10 seconds on the display.
2. Whilst the watering time in minutes is flashing, the watering duration can be modified with the rotary button (between **0:00** and **0:59**) (example: **10** minutes) and confirm by pressing the **OK** button.
3. Press **Man.-**key to close the valve early.
The valve is closed.

The amended manual opening period is stored, i.e. each time the valve is opened manually in future the modified opening period is preset. If the manual opening period is amended to **0:00**, the valve is closed and also remains closed after the **Man.-**key is pressed (child lock).

If the valve has been opened manually and a programmed start of a watering period overlaps the manual opening period, the programmed starting time is suppressed.

Example:

The valve is **opened at 9.00 a.m. manually**, the opening period is 30 minutes. A program with a **start time (START) between 9.00 and 9.30 a.m.** will not be undertaken in this case.

Reset:

The factory settings are restored.

→ Press **Man.**-key and **Menu**-key simultaneously for 3 seconds.

All the LCD symbols are displayed for 2 seconds and the display moves to the normal display.

- All the program data are set to zero.
- The manual watering period is set to **0:30** again.
- The language, the time and the day of the week are retained.

Important information:

If no entry is made during programming for a period of more than 60 seconds, the normal display reappears. In this case all changes made up till now will be applied.

When a sensor installed in the Water Computer registers damp (**OFF**), the programmed watering is not carried out. There must be a 1 minute pause between programs.

6. Putting Your Water Computer out of Operation

Storage / Overwintering:



Only store the Water Computer with the battery charged.

1. Press **Menu**-key 3 times, select **Prog. OFF** with the rotary button and confirm with the **OK**-key.

The watering program is not run.

2. Store Water Computer in a bright place which is dry and frost free so that the rechargeable battery is not completely discharged.

Disposal: (in accordance with RL 2002/96/EC)



The product must not be added to normal household waste. It must be disposed of in line with local environmental regulations.

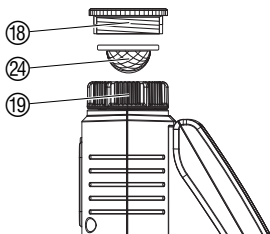
→ Important: Make sure that the unit is disposed of via your municipal recycling collection centre.

Disposing of rechargeable battery:

Please return the flat rechargeable battery to a GARDENA dealer or dispose of them properly at your nearest recycling centre. Only dispose of batteries when they are **flat**.

7. Maintenance

Clean filter:



The filter ⑳ should be checked regularly and cleaned when necessary.

1. Unscrew sleeve nut ⑲ of the Water Computer by hand from the tap thread (do not use pliers).
2. If necessary unscrew the adaptor ⑲.
3. Remove filter ㉑ from sleeve nut ⑲ and clean.
4. Fit the Water Computer again (see 4. Putting Your Water Computer into Operation "Connecting Water Computer").

8. Troubleshooting

Fault	Possible Cause	Remedy
No display appears	Rechargeable battery inserted incorrectly.	→ Insert battery plug into the battery connection socket.
	Faulty battery.	→ Insert a new rechargeable battery.
	Rechargeable battery flat.	→ Place Water Computer in the sun for 1 - 2 days.
	Temperature on the display is higher than 60 °C.	Display appears after temperature has dropped.
Manual watering is not possible using the Man. button	Battery flat (1 bar flashes).	→ Place Water Computer in the sun for 1 - 2 days.
	Manual watering period is set to 0:00 .	→ Set manual watering period to a figure greater than 0:00 (see 5. Programming).
	Tap turned off.	→ Turn tap on.
Watering program is not being undertaken (no watering)	Watering program has not been entered completely.	→ Read off watering program and modify if necessary.
	Programs deactivated (Prog OFF).	→ Activate program (Prog ON).
	Program entry/modification during or just before the start pulse.	→ Make program entry/modification outside the programmed start times.
	Valve was opened manually previously.	→ Avoid possible program overlaps.
	Tap turned off.	→ Turn tap on.
	Program overlap (1 st watering start time has priority).	→ Enter new watering program without overlaps.
	Soil moisture or rain sensor registers damp (sensor OFF).	→ If dry, check setting / location of soil moisture / rain sensor.
	Rechargeable battery flat. (1 bar flashes).	→ Place Water Computer in the sun for 1 - 2 days.
Water Computer does not close	Minimum quantity of water drawn is less than 20 l/h.	→ Connect more drip heads.
Display: Sensor fault	Sensor not correctly connected.	→ Check connection cable and sensor.



In the event of other faults please contact GARDENA Service.
Repairs should only be carried out by GARDENA service centres or dealers authorised by GARDENA.

9. Available Accessories

GARDENA
Soil Moisture Sensor

Art. No. 1188

GARDENA Rain Sensor electronic		Art. No. 1189
GARDENA Anti-theft device		Art. No. 1815-00.791.00 From GARDENA Service
GARDENA Adapter cable	(to connect older GARDENA sensors)	Art. No. 1189-00.600.45 From GARDENA Service
GARDENA Cable Adapter	For simultaneous connection of rain and soil moisture sensor	Art. No. 1189-00.630.00 From GARDENA Service
GARDENA Automatic Water Distributor	For fully controll of up to 6 watering lines	Art. No. 1197 / Art. No. 1198

10. Technical Data

Min./max. operating pressure:	0.5 bar / 12 bar
Flow medium:	Clear fresh water
Max. liquid temperature:	40 °C
Number of program-controlled watering cycles per day:	Up to 6
Watering duration per program:	1 min. to 9 hours 59 min.
Rechargeable battery to be used:	1 x lithium-ion 7.4 V ; 0.68 Ah rechargeable batteries
Service life of the rechargeable battery:	If used correctly 5 – 7 years

11. Service / Warranty

GARDENA guarantees this product for 2 years (from date of purchase). This guarantee covers all serious defects of the unit that can be proved to be material or manufacturing faults.

Under warranty we will either replace the unit or repair it free of charge if the following conditions apply:

- The unit must have been handled properly and in keeping with the requirements of the operating instructions.
- Neither the purchaser or a non-authorised third party have attempted to repair the unit.
- Damage caused by frost is not covered by the warranty.

This manufacturer's guarantee does not affect the user's existing warranty claims against the dealer/seller.

If you have any problems with your Water Computer, please contact our Customer Service or return the defective unit together with a short description of the problem directly to one of the GARDENA Service Centres listed on the back of this leaflet.

GB Product Liability

We expressly point out that, in accordance with the product liability law, we are not liable for any damage caused by our units if it is due to improper repair or if parts exchanged are not original GARDENA parts or parts approved by us, and, if the repairs were not carried out by a GARDENA Service Centre or an authorised specialist. The same applies to spare parts and accessories.

F Responsabilité

Nous vous signalons expressément que GARDENA n'est pas responsable des dommages causés par ses appareils, dans la mesure où ces dommages seraient causés suite à une réparation non conforme, dans la mesure où, lors d'un échange de pièces, les pièces d'origine GARDENA n'auraient pas été utilisées, ou si la réparation n'a pas été effectuée par le Service Après-Vente GARDENA ou l'un des Centres SAV agréés GARDENA. Ceci est également valable pour tout ajout de pièces et d'accessoires autres que ceux préconisés par GARDENA.

NL Productaansprakelijkheid


Wij wijzen er nadrukkelijk op, dat wij op grond van de wet aansprakelijkheid voor producten niet aansprakelijk zijn voor schade ontstaan door onze apparaten, indien deze door onvakkundige reparatie veroorzaakt zijn, of er bij het uitwisselen van onderdelen geen gebruik gemaakt werd van onze originele GARDENA onderdelen of door ons vrijgegeven onderdelen en de reparatie niet door de GARDENA technische dienst of de bevoegde vakman uitgevoerd werd. Ditzelfde geldt voor extra-onderdelen en accessoires.

S Produktansvar

Tillverkaren är inte ansvarig för skada som orsakats av produkten om skadan beror på att produkten har reparerats felaktigt eller om, vid reparation eller utbyte, andra än Original GARDENA reservdelar har använts. Samma sak gäller för kompletteringsdelar och tillbehör.

DK Produktansvar

Vi gør udtrykkeligt opmærksom på at i henhold til produktansvarsloven er vi ikke ansvarlige for skader forårsaget af vores udstyr, hvis det skyldes uautoriserede reparationer eller hvis dele er skiftet ud og der ikke er anvendt originale GARDENA dele eller dele godkendt af os, eller hvis reparationerne ikke er udført af GARDENA-service eller en autoriseret fagmand. Det samme gælder for ekstra udstyr og tilbehør.

<p>D EG-Konformitätserklärung</p> <p>Der Unterzeichnete Husqvarna AB, 561 82 Huskvarna, Sweden bestätigt, dass die nachfolgend bezeichneten Geräte in der von uns in Verkehr gebrachten Ausführung die Anforderungen der harmonisierten EU-Richtlinien, EU-Sicherheitsstandards und produktspezifischen Standards erfüllen. Bei einer nicht mit uns abgestimmten Änderung der Geräte verliert diese Erklärung ihre Gültigkeit.</p>	<p>Description of the unit: Water Computer Désignation du matériel : Programmeur d'arrosage Omschrijving van het apparaat: Besproeiingscomputer Produktbeskrivning: Bevattningscomputer Beskrivelse af enhederne: Vandingscomputer</p>
<p>GB EU Declaration of Conformity</p> <p>The undersigned Husqvarna AB, 561 82 Huskvarna, Sweden, hereby certifies that, when leaving our factory, the units indicated below are in accordance with the harmonised EU guidelines, EU standards of safety and product specific standards. This certificate becomes void if the units are modified without our approval.</p>	<p>Type: Art. No.: Type : C 1060 solar Référence : Typ : 1866 Typ : Art. nr.: Type: Varenr. :</p>
<p>F Certificat de conformité aux directives européennes</p> <p>Le constructeur, soussigné : Husqvarna AB, 561 82 Huskvarna, Sweden, déclare qu'à la sortie de ses usines le matériel neuf désigné ci-dessous était conforme aux prescriptions des directives européennes énoncées ci-après et conforme aux règles de sécurité et autres règles qui lui sont applicables dans le cadre de l'Union européenne. Toute modification portée sur ce produit sans l'accord express de Husqvarna supprime la validité de ce certificat.</p>	<p>EU directives: Directives européennes : 2004/108/EC EU-richtlijnen: 93/68/EC EU direktiv: 93/68/EC EU Retningslinier:</p>
<p>NL EU-overeenstemmingsverklaring</p> <p>Ondergetekende Husqvarna AB, 561 82 Huskvarna, Sweden, bevestigt, dat het volgende genoemde apparaat in de door ons in de handel gebrachte uitvoering voldoet aan de eis van, en in overeenstemming is met de EU-richtlijnen, de EU-veiligheidsstandaard en de voor het product specifieke standaard. Bij een niet met ons afgestemde verandering aan het apparaat verliest deze verklaring haar geldigheid.</p>	<p>Hinterlegte Dokumentation: GARDENA Technische Dokumentation E. Renn 89079 Ulm Deposited Documentation: GARDENA Technical Documentation E. Renn 89079 Ulm Documentation déposée : Documentation technique GARDENA E. Renn 89079 Ulm</p>
<p>S EU Tillverkarintyg</p> <p>Undertecknad firma Husqvarna AB, 561 82 Huskvarna, Sweden, intygar härmed att nedan nämnda produkter överensstämmer med EU:s direktiv, EU:s säkerhetsstandard och produktspecifikation. Detta intyg upphör att gälla om produkten ändras utan vårt tillstånd.</p>	<p>Year of CE marking: 2007 Date d'apposition du marquage CE : Installatiejaar van de CE-aanduiding: CE-Märkningsår: CE-Märkningsår:</p>
<p>DK EU Overensstemmelse certifikat</p> <p>Undertegnede Husqvarna AB, 561 82 Huskvarna, Sweden bekræfter hermed, at enheder listet herunder, ved afsendelse fra fabrikken, er i overensstemmelse med harmoniserede EU retningslinier, EU sikkerhedsstandarder og produkt-specifikationsstandarder. Dette certifikat træder ud af kraft hvis enhederne er ændret uden vor godkendelse.</p>	<p>Ulm, 01.08.2007 Fait à Ulm, le 01.08.2007 Ulm, 01-08-2007 Ulm, 2007.08.01. Ulm, 01.08.2007</p> <p>Authorised representative Représentant légal Gemachtigde Behørig Firmatecknare Teknisk direktor</p> <p> Peter Lameli Vice President</p>

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