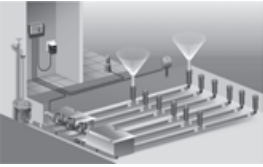
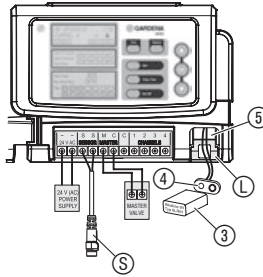


4030 Art. 1283  
6030 Art. 1284

**EN Operator's manual**  
Watering Controller

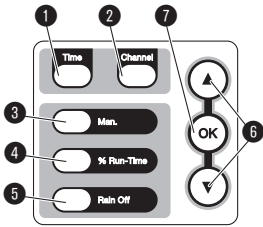
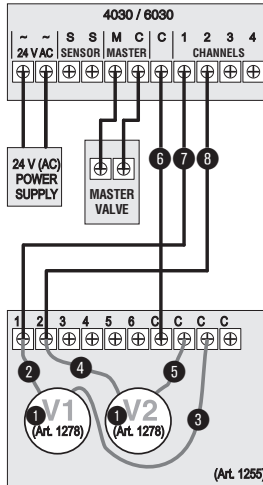
---

**1****I2****O1**

0 1:0 1:20 10  
YEAR

**O2**

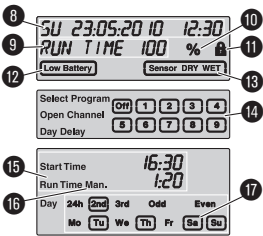
0 1:05:20 10  
MONTH

**F1****I3****O3**

SU 23:05:20 10  
DAY

**O4**

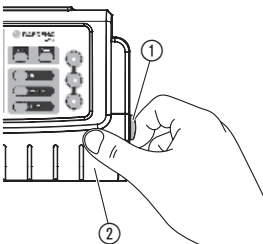
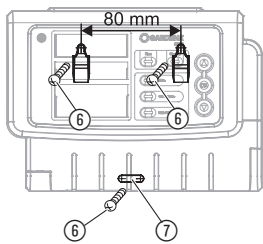
SU 23:05:20 10 12:00  
TIME

**F2****O5**

SU 23:05:20 10 12:30  
TIME

**O6**

SU 23:05:20 10 12:30  
RUN TIME 100 %

**I1****I4****O7**

SU 23:05:20 10 12:30  
SELECT CHANNEL

**O8**

Channel 1 2 3 4

<p><b>O09</b></p> <p>Select Program <input type="checkbox"/> Off <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3</p>	<p><b>O16</b></p> <p>Channel 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4</p>	<p><b>O24</b></p> <p>SU 23:05:20 10 12:30 RUN TIME 100 %</p>
<p><b>O10</b></p> <p>Start Time 16:00 Run Time 00:00</p>	<p><b>O17</b></p> <p>Start Time 16:30</p> <p>24h 2nd 3rd Odd Even <input checked="" type="checkbox"/> Mo Tu We Th Fr Sa Su</p>	<p><b>O25</b></p> <p>SU 23:05:20 10 12:30 RUN TIME 60 %</p>
<p><b>O11</b></p> <p>Start Time 16:30 Run Time 00:00</p>	<p><b>O18</b></p> <p>Select Program <input type="checkbox"/> Off <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3</p>	<p><b>O26</b></p> <p>SU 23:05:20 10 12:30 RAIN OFF</p>
<p><b>O12</b></p> <p>Start Time 16:30 Run Time 1:00</p>	<p><b>O19</b></p> <p>SU 23:05:20 10 12:30 CHANNEL OFF</p>	<p><b>O27</b></p> <p>Day Delay <input type="checkbox"/> Off <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9</p>
<p><b>O13</b></p> <p>Start Time 16:30 Run Time 1:20</p>	<p><b>O20</b></p> <p>Channel 1 2 3 <input checked="" type="checkbox"/> 4</p>	<p><b>O28</b></p> <p>SU 23:05:20 10 12:30 3 DAYS OFF</p>
<p><b>O14</b></p> <p>Start Time 16:30 Run Time 1:20</p> <p>24h 2nd 3rd Odd Even Mo Tu We Th Fr Sa Su</p> <p>Start Time 16:30 Run Time 1:20</p> <p>Day 24h <input checked="" type="checkbox"/> 2nd <input type="checkbox"/> 3rd <input type="checkbox"/> Odd <input type="checkbox"/> Even Mo <input checked="" type="checkbox"/> Tu <input type="checkbox"/> We <input checked="" type="checkbox"/> Th <input type="checkbox"/> Fr <input checked="" type="checkbox"/> Sa <input checked="" type="checkbox"/> Su</p>	<p><b>O21</b></p> <p>Run Time Man. 00:15</p>	<p><b>O29</b></p> <p>SU 23:05:20 10 12:30 RUN TIME 60 % </p>
<p><b>O15</b></p> <p>Start Time 16:30 Run Time 1:20</p> <p>Day 24h 2nd 3rd Odd Even Mo Tu We Th Fr Sa Su</p> <p>Start Time 16:30 Run Time 1:20</p> <p>Day 24h <input checked="" type="checkbox"/> 2nd <input type="checkbox"/> 3rd <input type="checkbox"/> Odd <input type="checkbox"/> Even <input checked="" type="checkbox"/> Mo <input type="checkbox"/> Tu <input checked="" type="checkbox"/> We <input type="checkbox"/> Th <input checked="" type="checkbox"/> Fr <input type="checkbox"/> Sa <input type="checkbox"/> Su</p>	<p><b>O22</b></p> <p>SU 23:05:20 10 12:30 MANUAL ALL</p>	<p><b>O30</b></p> <p> 88:88:2088 88:88  EL % </p> <p>Low Battery <input type="checkbox"/> Sensor DRY WET <input type="checkbox"/></p> <p>Select Program <input type="checkbox"/> Off <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 Open Channel <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 Day Delay</p> <p>Start Time 88:88 Run Time Man. 88:88</p> <p>Day <input checked="" type="checkbox"/> 24h <input checked="" type="checkbox"/> 2nd <input checked="" type="checkbox"/> 3rd <input type="checkbox"/> Odd <input type="checkbox"/> Even <input checked="" type="checkbox"/> Mo <input type="checkbox"/> Tu <input checked="" type="checkbox"/> We <input type="checkbox"/> Th <input checked="" type="checkbox"/> Fr <input type="checkbox"/> Sa <input type="checkbox"/> Su</p>
	<p><b>O23</b></p> <p>Channel <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4</p>	

# GARDENA Watering Controller 4030/6030

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## Intended use [Fig. 1]:

The Watering Controller is suitable for use indoors and in outdoor locations protected against rain.

This Watering Controller is part of a garden irrigation system. Recommended accessories: the watering valve (24 V) **Art. 1278**, the valve boxes **Art. 1254/1255** and the connection cable **Art. 1280** and the cable clips **Art. 1282**.

These products allow you to set up fully automatic irrigation systems, which can be designed to cater for varying water requirements of different plant areas and ensure that the entire system functions correctly in case of insufficient water supply.

Compliance with the operating instructions provided by GARDENA is a prerequisite for proper use of the Watering Controller.

## Translation of the original instructions.



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 product. Persons with reduced physical or mental abilities may use the product only if they are supervised or instructed by a responsible person. Children must be supervised to ensure that they do not play with the product. Never operate the product when you are tired, ill or under the influence of alcohol, drugs or medicine.



### Please note:

**The Watering Controller must be used only for controlling commercially available 24 V (AC) valves. The electric power consumption per channel must not exceed 600 mA (a GARDENA Irrigation Valve Art. 1278 requires 150 mA).**

## 1. SAFETY

### IMPORTANT!

Read the operator's manual carefully before use and keep for future reference.

#### Watering Controller:



**The Watering Controller must only be operated with the 24-V (AC) power supply unit provided.**

→ Protect the 24 V (AC) power supply unit from moisture when connected.

The Watering Controller is not splash proof.

In order not to lose any data in the event of power failure, an alkaline 9 V block battery (type 6LR61) must be used for buffering data.

We recommend using batteries manufactured by Duracell and Energizer (do not use rechargeable batteries).



### DANGER! Cardiac arrest!

This product makes an electromagnetic field while it operates. This field may under some conditions interfere with active or passive medical implants. To decrease the risk of conditions that can possibly injure or kill, we recommend persons with medical implants to speak with their physician and the medical implant manufacturer before you operate the product.



### DANGER! Risk of suffocation!

Small parts can be easily swallowed. There is also a risk that the polybag can suffocate toddlers. Keep toddlers away when you assemble the product.

## 2. FUNCTION

### Keypad [Fig. F1]:

- ① **Time** key: Selects date and time.
- ② **Channel** key: Calls the channels.
- ③ **Man.** key: Manually opens/closes individual channels.
- ④ **% Run Time** key: Calls up the % Run Time function.
- ⑤ **Rain Off** key: Selects a watering break.
- ⑥ **▲-▼** keys: Changes data already entered. (If you press and hold down the ▲-▼ keys you can change data in the quick run-through mode.)
- ⑦ **OK** key: Confirms the settings you selected using the ▲-▼ keys.

### Watering Controller display [Fig. F2]:

- ⑧ **Date and time display:** Indicates the day of the week, date and current time.
- ⑨ **Status display:** Indicates the current programming or watering status.
- ⑩ **% Run Time display:** Sets the duration of watering between 10 – 200% for all channels.
- ⑪ **Key lock:** Protects against unintentional changing of settings (the reset function cannot be locked).

### ⑫ **Battery status display:**

When the **Low Battery** display flashes, the battery is almost empty and has to be replaced.

When the **Low Battery** display appears, the battery is empty or no battery has been inserted.

The **Low Battery** display is re-set once the new battery has been inserted.

### ⑬ **Sensor display:**

If the sensor is inserted, the **DRY** or **WET** status report appears. When **WET** is displayed the watering programs are disabled.

### ⑭ **Program/channel display:**

Indicates which program of the particular channel is being programmed. If a channel is currently open, the frame of the opened watering channel flashes.

### ⑮ **Display of watering times:**

Indicates the start time and duration of watering.

### ⑯ **Manual watering display:**

When manual watering is selected, **Run Time Man.** is displayed.

### ⑰ **Watering cycles/watering days:**

To display the watering cycles (**24h** every day, **2nd** every 2nd day, **3rd** every 3rd day, **Odd** every odd day, **Even** every even day) or the programmed watering days (**Mo, Tu, We, Th, Fr, Sa, Su**).

## 3. INITIAL OPERATION



### CAUTION!

**The Watering Controller is ruined if the power supply unit is connected to terminals other than the 24 V AC terminals!**

→ **Connect the power supply unit to the 24 V AC terminals only!**

### Connecting your Watering Controller [Fig. I1/I2]:

Before programming your Watering Controller, install a 9 V battery to prevent loss of data if a power failure occurs.

1. Release snap lock ① and open cover ②.
2. Connect the cable of the power supply unit to the **24 V AC** terminals.
3. Connect the cables for the valves (e.g. 7-wire GARDENA Connection Cable **Art. 1280** for up to 6 valves) to the terminals for the channels (**CHANNELS 1 ...**) and **C** (see also **Connecting the valves**).
4. If required, connect the sensor (e.g. GARDENA Moisture Sensor **Art. 1867**) using the accompanying adapter cable ⑤ and connect the latter to the **SENSOR** terminals.
5. If necessary connect the cable for the master channel to the **MASTER** terminals (see **Master channel**).

6. Remove the empty battery as necessary:  
Depress the clip ① (the battery is released) and remove the empty battery.
7. Attach the battery ③ to the battery clip ④ and insert it into the battery compartment ⑤.
8. Close cover ② and let snap lock ① engage.
9. Plug the mains plug of the 24 V (AC) power supply unit into a mains socket.

After this it is necessary to set the date and time (see **4. OPERATION Setting the date and time**).

### Master Channel:

#### To connect the master valve:

The master channel **M** is activated, as soon as a valve is activated.

You can connect a central valve upstream of the other valves to act as a master valve.

#### Connecting the valves [Fig. 13]:

The example shows the connection of 2 valves **Art. 1278** in the Valve Box **Art. 1255** to the Watering Controller **4030/6030**. As the output of the Watering Controller is 24 V AC (alternating current) for switching the valves, it does not matter which of the two cables of a valve is inserted into **C**.

#### Labelling the valves:

- ① Label the valves (**1 – 6**), so that the channels (**CHANNELS 1, CHANNELS 2, ...**) of the Watering Controller can be clearly assigned to the valves.

#### Connecting the valves to the Valve Box:

- ② Connect one cable of the valve **V1** to the cable terminal **1** of the valve box.
- ③ Connect the other cable of the valve **V1** to a cable terminal **C** of the valve box.  
(All 4 cable terminals **C** are interconnected and equivalent to one another).
- ④ Connect one cable of the valve **V2** to the cable terminal **2** of the valve box.
- ⑤ Connect the other cable of the valve **V2** to a cable terminal **C** of the valve box.  
*Other valves can be connected similarly to **V1** and **V2**.*

#### Connecting the Watering Controller to the Valve Box:

- ⑥ Connect a cable terminal **C** of the Watering Controller to a cable terminal **C** of the valve box. Both cable clips **C** are connected to each other and equivalent.
- ⑦ Connect the cable terminal of channel **1 CHANNELS 1** to the cable terminal **1** of the valve box.
- ⑧ Connect the cable terminal of channel **2 CHANNELS 2** to the cable terminal **2** of the valve box.  
*Other channels can be connected similarly to **CHANNELS 1** and **CHANNELS 2**.*

#### Cable cross-section of the connection cable:

The maximum permissible distance between the Watering Controller and the valve depends on the cross-section of the connection cable. For a distance of 30 m, the cross section is 0.5 mm<sup>2</sup> and 0.75 mm<sup>2</sup> for a distance of 45 m. No more than 3 valves must be in operation at the same time. The GARDENA connection cable **Art. 1280** is 0.5 mm<sup>2</sup> in size and is 15 m long. Up to 6 valves can be connected using this cable. The connection cable can be connected so that it is watertight using the cable clip **Art. 1282**.

#### Wall-mounting the Watering Controller [Fig. 14]:

The two screws (not supplied) for attaching the Watering Controller have to be screwed into place 80 mm apart and the screw head diameter must not exceed 8 mm.

1. Screw the screws ⑥ into the wall 80 mm apart.
2. Attach the Watering Controller.
3. Release snap lock ① and open cover ② (see *Connecting your Watering Controller*) and mark hole for screw ⑥ of the elongated hole ⑦.
4. Screw the screw ⑥ into the elongated hole ⑦ for fixation.
5. Close cover ② and let snap lock ① engage.

## 4. OPERATION

### 4.1. Basic Programming

#### Date and Time (Time Key)

You can end the programming mode at any time by pressing the **Time** key.

##### Setting the date and time:

You must set the date and time before you can set the watering programs. The day of the week is selected automatically using the date. When the **Time** key is pressed, all the valves are closed as a precaution.

1. **[Fig. O1]:** Plug in the power supply unit – or – press the **Time** key.  
*YEAR and date-year flash in the display.*
2. **[Fig. O1]:** Select the date-year using the **▲-▼** keys (e.g. **2010**) and confirm by pressing the **OK** key.  
*MONTH and date-month flash.*
3. **[Fig. O2]:** Select the date-month using the **▲-▼** keys (e.g. **05**) and confirm by pressing the **OK** key.  
*DAY and date-day flash.*
4. **[Fig. O3]:** Select the date-day using the **▲-▼** keys (e.g. **23**) and confirm by pressing the **OK** key.  
*TIME and time-hours flash.*
5. **[Fig. O4]:** Select the time-hours using the **▲-▼** keys (e.g. **12** hours) and confirm by pressing the **OK** key.  
*TIME and time-minutes flash.*
6. **[Fig. O5]:** Select the time-minutes using the **▲-▼** keys (e.g. **30** minutes) and confirm by pressing the **OK** key.

**[Fig. O6]:** *The date and time have been set and the main level is displayed.*

#### Watering Programs (Channel Key)

**Prerequisite:** The date and time have been set.

To give you a better overview, we recommend that before starting to enter the watering data you enter the data for your valves into the watering plan in the appendix of these operating instructions.

You can save 3 watering programs for each channel (a maximum of 3 programs x 4 (Art. 1283)/ 6 (Art. 1284) channels = 12 (Art. 1283)/ 18 (Art. 1284) programs).

##### Ending the programming mode prematurely:

You can exit the programming mode prematurely at any time.

→ Press the **Channel** key twice.  
*The main level is displayed.*

##### Setting the watering programs:

###### PLEASE NOTE!

**If two programs overlap on one channel, this results in the total watering duration being less than planned. If two programs overlap on different channels, the water pressure may drop to an extent such that watering is inadequate or the pop-up sprinklers fail to extend.**

→ **Make sure that the watering times of the programs do not overlap.**

##### Selecting the channel and program memory location:

1. **[Fig. O7]:** Press the **Channel** key.  
*SELECT CHANNEL and the channel flash.*

You can end the programming mode at any time by pressing the **Channel** key.

2. **[Fig. O8]:** Select the channel using the **▲-▼** keys (e.g. channel **2**) and confirm by pressing the **OK** key.  
*Channel appears on the display (e.g. **2**) and Select Program and the program memory location flash.*
3. **[Fig. O9]:** Select the program memory location using the **▲-▼** keys (e.g. program memory location **3**) and confirm by pressing the **OK** key.  
*Start Time and the hours for the watering start time flash.*

##### Setting the watering start time:

4. **[Fig. O10]:** Select the hours for the watering start time using the **▲-▼** keys (e.g. **15**) and confirm by pressing the **OK** key.  
*Start Time Time and the minutes for the watering start time flash.*
5. **[Fig. O11]:** Select the minutes for the watering start time using the **▲-▼** keys (e.g. **30**) and confirm by pressing the **OK** key.  
*Run Time and the hours for watering duration flash.*

##### Setting the watering duration: (This always corresponds to 100 % Run Time)

6. **[Fig. O12]:** Select the hours for watering duration using the **▲-▼** keys (e.g. **1** hour) and confirm by pressing the **OK** key.  
*Run Time and the minutes for watering duration flash.*

7. **[Fig. O13]:** Select the minutes for watering duration using the ▲-▼ keys (e.g. **20** minutes) and confirm by pressing the **OK** key.  
**24h blinkt.**

#### Setting the watering cycle/watering days:

##### a) Watering cycle:

Watering options are every 24 hours "**24h**", every second day "**2nd**", every third day "**3rd**", every "**Odd**" day odd or every even day "**Even**".

##### b) Watering days:

Every day **Mo, Tu, We, Th, Fr, Sa, Su** can be individually set.

#### 8. a) [Fig. O14]: Watering cycle:

Using the ▲-▼ keys, select the desired watering cycle (e.g. **2nd** = every 2nd day) and confirm by pressing the **OK** key.

The watering cycle (e.g. **2nd**) and the preview for the week (e.g. **Su, Tu, Th, Sa**) are shown on the display in frames.

The days in the preview for the week are always with respect to the day of the week set in the system (e.g. Sunday **Su**).

– or –

##### b) [Fig. O15]: Watering days:

Using the ▲-▼ keys, select the desired day of the week (e.g. **Mo** = Monday) and select/deselect the day by pressing the **OK** key.

The selected watering days (e.g. **Mo, We, Fr**) are shown on the display in frames.

9. **[Fig. O16]:** Press the **Channel** key and set up more watering programs.  
The program is saved and **SELECT CHANNEL** and the channel flash (program step 1.).
10. **[Fig. O17]:** Press the **Channel** key.  
The programs have been set up and the main level is displayed.

The main level displays the next programmed watering. In this example: watering on 2 (**Channel [2]**), watering start time 16:30 (**Start Time 16:30**) on Monday (**Mo**).

Programming of the Watering Controller is now completed, i.e. the valves installed open/close entirely automatically and therefore water at the programmed times.

#### Changing an existing watering program:

You can change an existing program stored in one of the 3 program memory locations without having to create the program from scratch.

The data for the watering start time, duration, and cycle are preset; therefore you only need to change

the specific values of the watering program you want to change. You can transfer all other values from *Setting the watering programs* by pressing the **OK** key.

## 4.2. Special Functions

### Blocking a channel:

If **Program Off** is selected as program memory location for a channel, the respective channel is blocked and the watering programs of the channel are no longer executed. The programs of the channel are retained.

You can end the programming mode at any time by pressing the **Channel** key.

1. **[Fig. O7]:** Press the **Channel** key.  
**SELECT CHANNEL** and the channel flash.
2. **[Fig. O8]:** Select the channel using the ▲-▼ keys (e.g. channel **2**) and confirm by pressing the **OK** key.  
**Channel** appears on the display (e.g. **2**) and **Select Program** and the program memory location flash.
3. **[Fig. O18]:** Select the program memory location **Off** using the ▲-▼ keys and confirm by pressing the **OK** key.  
**SELECT CHANNEL** flashes in the display.
4. **[Fig. O19]:** Press the **Channel** key.  
**CHANNEL OFF** and the channel (e.g. channel **2**) is shown in the display.

If several channels are blocked, **CHANNELS OFF** is displayed. If the Run Time % is not equal to 100, the display alternates every 3 seconds between **CHANNEL OFF** and **RUN TIME %**.

## Manual Watering (Man Key)

### Manual watering:

The manual watering duration can be set between 0 to 59 min. Channels which are already open are displayed in frames.

1. **[Fig. O7]:** Press the **Man.** key.  
**SELECT CHANNEL** and the channel flash.
2. **[Fig. O20]:** Select the channel desired using the ▲-▼ keys (e.g. channel **4**) and confirm by pressing the **OK** key.  
**Run Time Man.** and minutes flash in the display.
3. **[Fig. O21]:** Select the manual watering duration (**00:30** minutes are preset) using the ▲-▼ keys (e.g. **00:15**) and confirm by pressing the **OK** key.  
Manual watering starts and the frame around the active channel flashes.

If the watering duration is not confirmed within 10 seconds by pressing the **OK** key, the watering begins with the watering duration selected.



## Ending active watering prematurely:

You can exit active watering (programmed or started manually) prematurely without changing the programs.

1. **[Fig. O07]:** Press the **Man.** key.  
*SELECT CHANNEL and the channel flash.*
2. **[Fig. O20]:** Select the active channel desired (in the frame e.g. channel **4**) using the **▲-▼** keys and confirm by pressing the **OK** key.  
*Watering is ended and the main level is displayed.*

## Water all channels manually:

If all the channels are to be enabled manually, the channels are opened manually one after the other with the manual watering duration.

1. **[Fig. O22]:** Press and hold down the **OK** key.
2. **[Fig. O23]:** Also press and hold down the **Man.** key for 3 seconds.  
*Run Time Man., ANNUAL ALL and minutes flash in the display.*
3. **[Fig. O21]:** Select the manual watering duration (**00:30** minutes are preset) using the **▲-▼** keys (e.g. **00:15**) and confirm by pressing the **OK** key.  
*Manual watering starts with channel 1, ANNUAL ALL and the frame around the active channel flashes.*

If the watering duration is not confirmed within 10 seconds by pressing the **OK** key, the watering begins with the watering duration displayed.

You can exit watering all the channels prematurely by pressing the **OK** key + **Man.** key for 3 seconds.

## Percentage Watering Duration (% Run Time Key)

You can end the programming mode at any time by pressing the **% Run Time** key.

### % Run-time-function:

The programmed watering durations of all the watering programs can be changed centrally in 10% increments from 10% to 200%, without having to change the individual programs (e.g. if you wish to water your garden less in the autumn than in the summer).

ATTENTION! If the run time % figures are above 100%, programs may overlap as a result (see *Setting the watering programs*).

1. **[Fig. O24]:** Press the **% Run Time** key.  
*RUN TIME % and the percentage watering duration flash.*

2. **[Fig. O25]:** Select the figure for the percentage watering duration using the **▲-▼** keys (e.g. **RUN TIME 60 %**) and confirm by pressing the **OK** key.  
*The percentage watering duration has been transferred and the main level is displayed.*

E.g. in case of 60% Run Time, a programmed watering duration of 60 min. is reduced to 36 min.

### Note:

When the percentage of the watering duration is changed the display of the originally programmed watering durations in the programs stays as it is. When setting up / modifying a program, this is automatically set to **100 % RUN TIME**. The **% RUN TIME** does not apply to manual watering.

## Watering Breaks (Rain Off Key)

You can end the programming mode at any time by pressing the **Rain Off** key.

### Rain Off function:

If watering is not necessary, e.g. due to lengthy rainfall, a watering break can be set. All the programs can be set for a 1 to 9-day break (**1** to **9**) or they can all be blocked (**Off**), in which case manual watering is still possible.

1. **[Fig. O26]:** Press the **Rain Off** key.  
*RAIN OFF and Off is displayed.*
2. **[Fig. O27]:** Using the **▲-▼** keys, set the desired break (e.g. 3 days **3**).  
*Day Delay and the frame flash.*
3. **[Fig. O28]:** Confirm the break by pressing the **OK** key.  
*The selected break (e.g. 3 days **3 DAYS OFF**) is displayed and the programs are suspended for the break selected.*

From 2 days onwards, the remaining break period displayed in hours (**48H OFF** (48 hours) ... **1H OFF** (1 hour)).

To deselect the Rain Off function the **Rain Off** key has to be pressed.

### Key lock [Fig. O29]:

The keypad can be locked to protect against unintentional changing of the settings.

1. Press and hold down the **OK** key.
  2. Also press and hold down the **Rain Off** key for 3 seconds.  
*The lock symbol is displayed.*
- To disable the key lock, the **OK** key + **Rain Off** key have to be pressed and held down for 3 seconds.

**Reset function [Fig. O30]:**

**The Watering Controller is reset to the default setting and all the program data is deleted.**

1. Press and hold down the **OK** key.
  2. Also press and hold down the **Channel** key for 3 seconds.  
*The lock symbol is displayed.*
- All the symbols of the display light up for 2 seconds.

- The program data for **all** programs is deleted.
- The date and time are retained.
- The key lock is cancelled.

A reset can be triggered at any time.

**Tip:** Should you have any questions about operating and programming your Watering Controller, please do not hesitate to contact your nearest GARDENA Service Centre.

## 5. STORAGE

**To put into storage:**

The watering controller is frost-proof. No measures are required when frost commences. Legibility of the display is restricted below 0 °C.

- Check battery status display before the power supply unit is disconnected.

**Important:**

Only dispose of batteries when they are flat.

- Return flat batteries to the place you bought them **or** dispose of them properly at your local recycling/disposal centre.

**Disposal:**

(in accordance with RL2012/19/EC)



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

**IMPORTANT!**

- Dispose of the product through or via your municipal recycling collection centre.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Remedy
<b>No display</b>	External temperature below 0 °C or above +60 °C.	→ Wait until the external air temperature returns to the operating temperature range.
<b>AC OFF is indicated on the display</b> (the programs are retained)	The power supply unit is not plugged in.	→ Plug the power supply unit into a mains socket.
<b>OVERLOAD is indicated on the display</b> (the programs are retained)	The power supply is overloaded because valves from other manufacturers have been used.	→ Only so many valves may be opened at the same time that the total power consumption does not exceed 800 mA.
	Cabling of the valves has a short circuit.	→ Cable the valves properly short circuit (see 3. INITIAL OPERATION <i>Connecting the valves</i> ).



**NOTE:** For any other malfunctions please contact the GARDENA service department. Repairs must only be done by GARDENA service departments or specialist dealers approved by GARDENA.

## 7. TECHNICAL DATA

<b>Power supply from power supply unit:</b>	24 V (AC) / 800 mA (sufficient for 5 simultaneously open GARDENA Watering Valves Art. 1278)
<b>Power supply for memory in case of mains power failure:</b>	9 V block battery (type 6LR61)
<b>Life of the battery:</b>	At least 1 year (to retain data if there is a mains failure)
<b>Operating temperature range:</b>	From 0 °C to +60 °C
<b>Operating temperature range:</b>	-20 °C to +70 °C
<b>Air humidity:</b>	Max. 95% relative humidity
<b>Soil moisture sensor connection:</b>	GARDENA-specific
<b>Program saved when replacing battery:</b>	Yes (if power supply unit connected)
<b>Number of channels:</b>	Art. 1283: 4 channels and one master channel Art. 1284: 6 channels and one master channel
<b>Number of program-controlled watering cycles per channel:</b>	Up to 3
<b>Watering duration per program:</b>	1 minute to 24 min. (10% Run Time) 1 minute to 3 h 59 min. (100% Run Time) 2 minutes to 7 h 58 min. (200% Run Time)

## 8. SERVICE/WARRANTY

### Service:

Please contact the address on the back page.

### Warranty statement:

In the event of a warranty claim, no charge is levied to you for the services provided.

GARDENA Manufacturing GmbH grants a warranty for all original GARDENA new products for two years from the date of original purchase from the retailer, provided that the devices have been for private use only. This manufacturer's warranty does not apply to products acquired second hand. This warranty includes all significant defects of the product that can be proved to be material or manufacturing faults. This warranty is fulfilled by supplying a fully functional replacement product or by repairing the faulty product sent to us free of charge; we reserve the right to choose between these options. This service is subject to the following provisions:

- The product has been used for its intended purpose as per the recommendations in the operating instructions.
- Neither the purchaser nor a third party has attempted to open or repair the product.
- Only Original GARDENA replacement parts and wear parts have been used for operation.

- Presentation of the receipt.

Normal wear and tear of parts and components (such as blades, blade fixing parts, turbines, light bulbs, V-belts/toothed belts, impellers, air filters, spark plugs), visual changes, wear parts and consumables are excluded from the warranty.

This manufacturer's warranty is limited to replacement and repair of products in accordance with the abovementioned conditions. The manufacturer's warranty does not constitute an entitlement to lodge other claims against us as a manufacturer, such as for damages. This manufacturer's warranty does **not**, of course, affect statutory and contractual warranty claims against the dealer/retailer.

The manufacturer's warranty is governed by the law of the Federal Republic of Germany.

In case of a warranty claim, please return the faulty product, together with a copy of the receipt and a description of the fault, with postage paid to the service address.

### Consumables:

GARDENA will not replace Watering Controllers with defects resulting from incorrect installation of the battery or leaking batteries.

Channel \_\_\_\_

Prog.	START TIME	RUN TIME	24h	2nd	3rd	Odd	Even	Mo	Tu	We	Th	Fr	Sa	Su
1														
2														
3														

Channel \_\_\_\_

Prog.	START TIME	RUN TIME	24h	2nd	3rd	Odd	Even	Mo	Tu	We	Th	Fr	Sa	Su
1														
2														
3														

Channel \_\_\_\_

Prog.	START TIME	RUN TIME	24h	2nd	3rd	Odd	Even	Mo	Tu	We	Th	Fr	Sa	Su
1														
2														
3														

Channel \_\_\_\_

Prog.	START TIME	RUN TIME	24h	2nd	3rd	Odd	Even	Mo	Tu	We	Th	Fr	Sa	Su
1														
2														
3														

Channel \_\_\_\_

Prog.	START TIME	RUN TIME	24h	2nd	3rd	Odd	Even	Mo	Tu	We	Th	Fr	Sa	Su
1														
2														
3														

Channel \_\_\_\_

Prog.	START TIME	RUN TIME	24h	2nd	3rd	Odd	Even	Mo	Tu	We	Th	Fr	Sa	Su
1														
2														
3														

**DE Produkthaftung**

Wir weisen ausdrücklich darauf hin, dass wir in Übereinstimmung mit dem Produkthaftungsgesetz nicht für Schäden haften, die durch unsere Produkte entstehen, wenn diese unsachgemäß und nicht durch einen von uns autorisierten Servicepartner repariert wurden oder wenn keine Original GARDENA Teile oder von uns zugelassene Teile verwendet wurden.

**EN Product liability**

In accordance with the German Product Liability Act, we hereby expressly declare that we accept no liability for damage incurred from our products where said products have not been properly repaired by a GARDENA-approved service partner or where original GARDENA parts or parts authorised by GARDENA were not used.

**FR Responsabilité**

Conformément à la loi relative à la responsabilité du fait des produits défectueux, nous déclarons expressément par la présente que nous déclinons toute responsabilité pour les dommages résultant de nos produits, si lesdits produits n'ont pas été correctement réparés par un partenaire d'entretien agréé GARDENA ou si des pièces d'origine GARDENA ou des pièces agréées GARDENA n'ont pas été utilisées.

**NL Productaansprakelijkheid**

Conform de Duitse wet inzake productaansprakelijkheid verklaren wij hierbij uitdrukkelijk dat wij geen aansprakelijkheid aandaan voor schade ontstaan uit onze producten waarbij deze producten niet zijn gerepareerd door een GARDENA-erkende servicepartner of waarbij geen originele GARDENA-onderdelen of onderdelen die door GARDENA zijn goedgekeurd zijn gebruikt.

**SV Produktansvar**

I enlighet med tyska produktansvarslagar förklarar vi härmed uttryckligen att vi inte åtar oss något ansvar för skador som orsakas av våra produkter där produkterna inte har genomgått korrekt reparation från en GARDENA-godkänd servicepartner eller där originaldelar från GARDENA eller delar godkända av GARDENA inte använts.

**DA Produktansvar**

I overensstemmelse med den tyske produktansvarslov erklærer vi hermed udtrykkeligt, at vi ikke påtager os noget ansvar for skader på vores produkter, hvis de pågældende produkter ikke er blevet repareret korrekt af en GARDENA-godkendt servicepartner, eller hvor der ikke er brugt originale GARDENA-reservedele eller godkendte reservedele fra GARDENA.

**FI Tuotevastuu**

Saksan tuotevastuulain mukaisesti emme ole vastuussa laitteiden vaurioista, jos korjauksia ei ole tehnyt GARDENAn hyväksymä huoltoliike tai jos niiden syynä on muiden kuin alkuperäisten GARDENA-varaosien tai GARDENAn hyväksymien varaosien käyttö.

**IT Responsabilità del prodotto**

In conformità con la Legge tedesca sulla responsabilità del prodotto, con la presente dichiariamo espressamente che decliniamo qualsiasi responsabilità per danni causati dai nostri prodotti qualora non siano stati correttamente riparati presso un partner di assistenza approvato GARDENA o laddove non siano stati utilizzati ricambi originali o autorizzati GARDENA.

**ES Responsabilidad sobre el producto**

De acuerdo con la Ley de responsabilidad sobre productos alemana, por la presente declaramos expresamente que no aceptamos ningún tipo de responsabilidad por los daños ocasionados por nuestros productos si dichos productos no han sido reparados por un socio de mantenimiento aprobado por GARDENA o si no se han utilizado piezas originales GARDENA o piezas autorizadas por GARDENA.

**PT Responsabilidade pelo produto**

De acordo com a lei alemã de responsabilidade pelo produto, declaramos que não nos responsabilizamos por danos causados pelos nossos produtos, caso os tais produtos não tenham sido devidamente reparados por um parceiro de assistência GARDENA aprovado ou se não tiverem sido utilizadas peças GARDENA originais ou peças autorizadas pela GARDENA.

**ET Tootevastutus**

Vastavalt Saksamaa tootevastutusseadusele deklareerime käesolevaga selgesõnaliselt, et me ei kanna mingisugust vastutust meie toodetest tingitud kahjude eest, kui need tooted ei ole korrektselt parandatud GARDENA heakskiidetud hoolduspartneri poolt või kui parandamisel ei ole kasutatud GARDENA originaalosi või GARDENA volitatud osi.

**LT Gaminio patikimumas**

Mes aiškiai pareiškiame, kad, atsižvelgiant į Vokietijos gaminių patikimumo įstatymą, neprisiimame atsakomybės dėl bet kokios žalos, patirtos dėl mūsų gaminių, jeigu jie buvo netinkamai taisomi arba jų dalys buvo pakeistos neoriginaliomis GARDENA dalimis ar nepatvirtintomis dalimis, arba jeigu remonto darbai buvo atliekami ne GARDENA techninės priežiūros centru specialistų.

**LV Atbildība par produkcijas kvalitāti**

Saskaņā ar Vācijas likumu par atbildību par produkcijas kvalitāti ar šo mēs paziņojam, ka neuzņemamies atbildību par bojājumiem, kas radušies, lietojot mūsu izstrādājumus, kuru remontu nav veicis uzņēmuma GARDENA apstiprināts apkopes partneris vai kuru remontam netika izmantotas oriģinālās GARDENA detaļas vai detaļas, kuru lietošanu apstiprinājis uzņēmums GARDENA.

**DE EU-Konformitätserklärung**

Der Unterzeichnende bestätigt als Bevollmächtigter des Herstellers, der GARDENA Germany AB, PO Box 7454, S-103 92, Stockholm, Schweden, dass das (die) nachfolgend bezeichnete(n) Gerät(e) in der von uns in Verkehr gebrachten Ausführung die Anforderungen der harmonisierten EU-Richtlinien, EU-Sicherheitsstandards und produktspezifischen Standards erfüllt/erfüllen. Bei einer nicht mit uns abgestimmten Änderung des (der) Geräte(s) verliert diese Erklärung ihre Gültigkeit.

**EN EC Declaration of Conformity**

The undersigned hereby certifies as the authorized representative of the manufacturer, GARDENA Germany AB, PO Box 7454, S-103 92, Stockholm, Sweden, that, when leaving our factory, the unit(s) indicated below is/are in accordance with the harmonised EU guidelines, EU standards of safety and product specific standards. This certificate becomes void if the unit(s) is/are modified without our approval.

**FR Déclaration de conformité CE**

Le soussigné déclare, en tant que mandataire du fabricant, la GARDENA Germany AB, PO Box 7454, S-103 92, Stockholm, Suède, 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(s) produit(s) sans l'accord express de notre part supprime la validité de ce certificat.

**NL EU-conformiteitsverklaring**

De ondergetekende bevestigt als gevolmachtigde van de fabrikant, GARDENA Germany AB, PO Box 7454, S-103 92, Stockholm, Zweden, dat het/de onderstaand vermelde apparaat/apparaten in de door ons in de handel gebrachte uitvoering voldoet/voldoan aan de eisen van de geharmoniseerde EU-richtlijnen, EU-veiligheidsnormen en productspecifieke normen. Bij een niet met ons afgestemde verandering van het apparaat/de apparaten verliest deze verklaring haar geldigheid.

**SV EU-försäkran om överensstämmelse**

Undertecknad intygar som befulldäktad företrädare för tillverkaren, GARDENA Germany AB, PO Box 7454, S-103 92, Stockholm, Sverige, att nedan angiven apparat/nedan angivna apparater i det utförande vi har släppt på marknaden, uppfyller fordringarna i de harmoniserade EU-direktiven, EU-säkerhetsstandarderna och de produktspecifika standarderna. Denna försäkran upphör att gälla vid en ändring av apparaten/apparaterna som inte har stämts av med oss.

**DA EU-overensstemmelseserklæring**

Underskrivener bekræfter som fuldmægtig for producenten, GARDENA Germany AB, PO Box 7454, S-103 92, Stockholm, Sverige, at det (de) efterfølgende betegnede apparat(er) i den af os markedsførte udførelse opfylder kravene i de harmoniserede EU-direktiver, EU-sikkerhedsstandarder og produkt-specifikke standarder. Foretages en ændring af apparatet/apparaterne, der ikke er aftalt med os, mister denne erklæring sin gyldighed.

**FI EU-vaatimustenmukaisuusvakuutus**

Allekirjoittanut vahvistaa valmistajan, GARDENA Germany AB, PO Box 7454, S-103 92, Tukholma, Ruotsi, valtuuttamansa henkilöä, että seuraava laite täyttää/seuraavat laitteet täyttävät meidän toimittamassa mallissa yhdenmukaistettujen EU-direktiivien, EU-turvallisuusmääräysten ja tuotekohtaisten standardien vaatimukset. Laitteen/laitteiden muutoksissa, joista ei ole sovittu meidän kanssamme, menettää tämä selvitys voimassaolonsa.

**IT Dichiarazione di conformità UE**

Il sottoscritto, in quanto soggetto autorizzato dal produttore, GARDENA Germany AB, PO Box 7454, S-103 92, Stoccolma, Svezia, dichiara che l'apparecchio/gli apparecchi di seguito denominato/i, nella versione da noi immessa in commercio, soddisfa/no i requisiti delle direttive UE armonizzate, degli standard di sicurezza europei e degli standard specifici per il prodotto. La presente dichiarazione perde di validità in caso di modifica dell'apparecchio/degli apparecchi non concordata con noi.

**ES Declaración de conformidad de la UE**

El firmante confirma, en calidad de apoderado del fabricante GARDENA Germany AB, PO Box 7454, S-103 92 Estocolmo (Suecia), que el/los aparato(s) mencionado(s) a continuación cumple(n), en la versión lanzada al mercado por nuestra empresa, los requisitos de las directivas de la UE armonizadas, los estándares de seguridad de la UE y los estándares específicos del producto. La presente declaración perderá su validez si se modifica(n) el/los aparatos sin previa aprobación por nuestra parte.

**PT Declaração CE de Conformidade**

O abaixo-assinado, na qualidade de representante do fabricante, GARDENA Germany AB, PO Box 7454, S-103 92, Stockholm, Schweden, confirma que o(s) aparelho(s) a seguir designado(s) no modelo lançado por nós no mercado cumpre/cumprem os requisitos das diretivas UE harmonizadas, as normas de segurança UE e as normas específicas para estes produtos. Esta declaração perde a sua validade se forem realizadas alterações no(s) aparelho(s) sem o nosso consentimento.

**ET Õ vastavusdeklaratsioon**



Allkirjutanu kinnitab tootja, GARDENA Germany AB, PO Box 7454, S-103 92, Stockholm, Rootsi, poolt lootatud isikuna, et järgnevalt nimetatud seade (seadmed) täidab (täidavad) meie poolt turule toodud versiooni kujul harmoneeritud EL-i direktiivide, EL-i ohutusstandardite ja tootepõhiste standardite nõuded. Seadmel (seadmetel) meiega kooskõlastamata muudatuse tegemise korral kaotab käesolev deklaratsioon oma kehtivuse.

**LT EB atitikties deklaracija**

Pasirašantis, kaip gamintojo, GARDENA Germany AB, PO Box 7454, S-103 92, Stokholmas, Švedija, įgaliotasis atstovas patvirtina, kad žemiau nurodyto (-ų) prietaiso (-ų) modeliai, kurie buvo pagaminti mūsų gamykloje, atitinka darniausias ES direktyvas, ES saugumo standartus ir specifinius gaminio standartus. Atlikus bet kokį priedaiso (-ų) pakeitimą, kuris nėra suderintas su mumis, ši deklaracija praranda galiojimą.

**LV EK atbilstības deklarācija**

Zemā parakstījiesies persona kā ražotāja, uzņēmuma GARDENA Germany AB, PO Box 7454, S-103 92, Stokholma, Zviedrija, pilnvarotais pārstāvis apstiprina, ka tālāk norādītā(-s) ierīcē(-s) izpildījumā, kādā mēs to (tās) esam laiduši tirgū, atbilst saskaņotajām ES direktīvām, ES drošības standartiem un konkrētajam produktam noteiktajiem standartiem. Ierīcē(-s) veicot ar mums nesaskaņotas izmaiņas, šī deklarācija zaudē savu spēku.

Produkttyp: Product type: Type de produit : Producttype: Produkttyp: Produkttype: Tuotetyyppi: Tipo di prodotto: Tipo de producto: Tipo de produto: Toote kirjeldus: Gaminio aprašas: Izstrādājuma apraksts:	<b>Bewässerungssteuerung          Watering Controller          Programmeur          Besproeiingscomputer          Kontrollpanel          Vandingskontrol-system          Kastelunohjauslaite          Centralina          Programación de riego          Comando de rega          Kastmissüsteemi juhtseade          Laistymo valdiklis          Laistīšanas kontrolierīce</b>	Anbringungsjahr der CE-Kennzeichnung: Year of CE marking: Année d'apposition du marquage CE : Installatiejaar van de CE-aanduiding: CE-Märkningsår: CE-Mærkningsår: CE-merkin kiinnitysvuosi: Anno di applicazione della certificazione CE: Colocación del distintivo CE: Ano de marcação pela CE: CE-märgistuse paigaldamise aasta: Metai, kada pažymėta CE-ženklui: CE-marķējuma uzlikšanas gads:
Produkttyp: Product type: Type de produit : Producttype: Produkttyp: Produkttype: Tuotetyyppi: Tipo di prodotto: Tipo de producto: Tipo de produto: Tootetüüp: Gaminio tipas: Produkta veids:	Artikelnummer: Article number: Référence : Artikelnummer: Artikelnummer: Artikelnummer: Tuotenumero: Codice articolo: Referencia: Número de referencia: Artiklinumber: Dalies numeris: Artikula numurs:	2010
EU-Richtlinien: EC-Directives: Directives CE : EG-richtlijnen: EU-direktiv: EF-direktiver: EY-direktiivit: Direttive UE: Directiva CE: Diretivas CE: EÜ direktiivid: EB direktyvos: EK direktyvas:	<b>2014/30/EU          2014/35/EU          2011/65/EU</b>	Ulm, den 13.04.2021 Ulm, 13.04.2021 Fait à Ulm, le 13.04.2021 Ulm, 13-04-2021 Ulm, 2021.04.13. Ulm, 13.04.2021 Ulmissa, 13.04.2021 Ulm, 13.04.2021 Ulm, 13.04.2021 Ulm, 13.04.2021 Ulm, 13.04.2021 Ulm, 13.04.2021 Ulm, 13.04.2021 Ulme, 13.04.2021
Harmonisierte EN-Normen / Harmonised EN:	<b>EN ISO 12100          IEC 61558-1          EN IEC 61558-1          EN 61558-2-6          EN 60730-1          IEC 60730-2-8</b>	
Hinterlegte Dokumentation:  Deposited Documentation:  Documentation déposée:	GARDENA Technische Dokumentation, M. Kugler, 89079 Ulm  GARDENA Technical Documentation, M. Kugler, 89079 Ulm  Documentation technique GARDENA, M. Kugler, 89079 Ulm	 <b>Reinhard Pompe</b> Vice President Products   <b>Wolfgang Engelhardt</b> Vice President Supply Chain

