

EasyControl
Art. 1881



DE

EN

FR

NL

IT

ES

PT

SL

DE Betriebsanleitung

Bewässerungscomputer

EN Operation Instructions

Water Computer

FR Mode d'emploi

Programmateur d'arrosage

NL Gebruiksaanwijzing

Besproeiingscomputer

IT Istruzioni per l'uso

Computer per irrigazione

ES Instrucciones de empleo

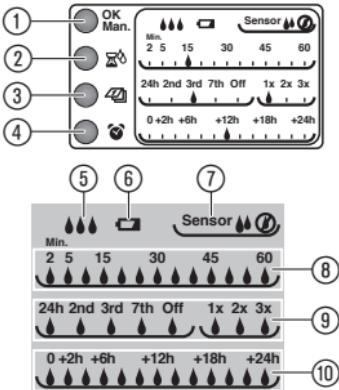
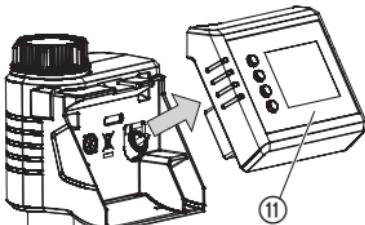
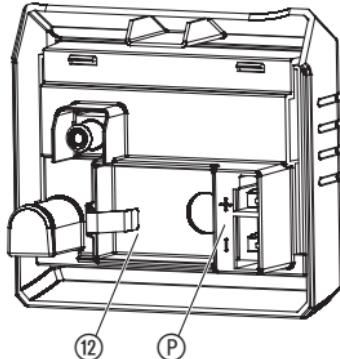
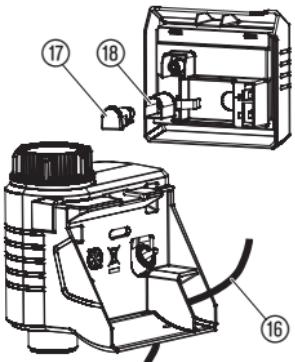
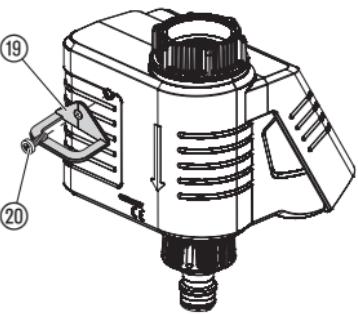
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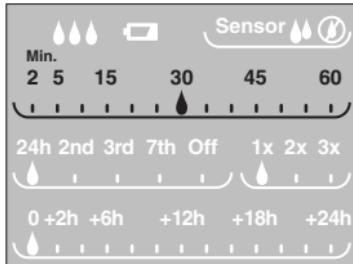
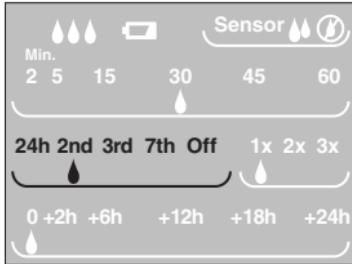
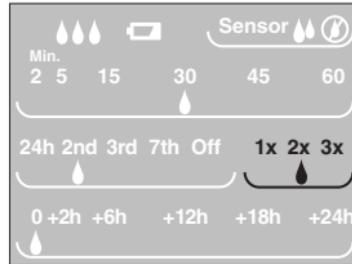
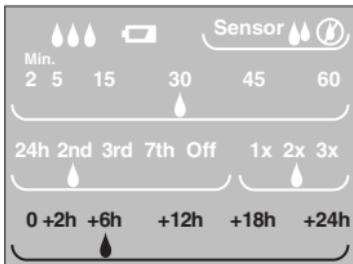
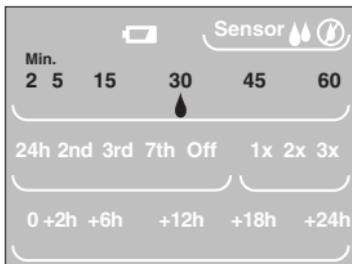
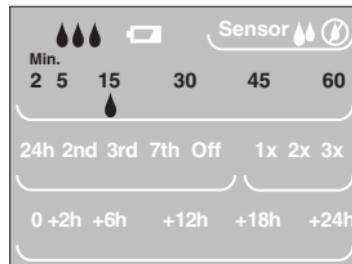
PT Manual de instruções

Computador de rega

SL Navodilo za uporabo

Namakanalnega računalnika

F1/F2**I1****I2****I3/M1****I4****I5**

P1**P2****P3****P4****P5****P6**

GARDENA Water Computer EasyControl

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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.

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.

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

1. SAFETY

Battery:

To ensure the Water Computer runs safely, only a 9V alkaline manganese battery (alkaline) type IEC 6LR61 must be used!

In order to stop the Water Computer from failing because of a weak battery if you are away for a long time, the battery must be replaced when the battery symbol flashes.

Setting up:

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.

Do not pull the hose connected to the Water Computer.

DANGER!

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!

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

With the Water Computer, the garden can be watered fully automatically up to 3 times a day at any time of day (every 8 hours). 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 program and can therefore also be used during holidays. Early in the morning or late in the evening, evaporation and therefore water consumption is lowest.

The watering programme is easily entered using the controls.

A watering program comprises the watering duration, cycle and start time.

Controls [Fig. F1]:

Buttons	Function
① OK-button /	Applies the values set with the  -  -buttons.
Man.-button	For switching the water throughput on or off manually.
②  -button	Changes the watering duration.
③  -button	Adjusts the watering cycle.
④  -button	Delays the watering start time.

Display [Fig. F2]:

Display	Description
⑤  	Flash consecutively whilst watering is carried out.
⑥ 	Flashes when the battery needs to be replaced. The valve is still opened for 4 weeks. Is continuously displayed when the battery is empty. The valve is not opened any more.

Display	Description
⑦  /	Replace battery (see 3. PUTTING YOUR WATER COMPUTER INTO OPERATION Computer into Operation " Insert battery ").
Sensor 	Indicates that the sensor registers dry and the programmed watering is carried out.
Sensor 	Indicates that the sensor registers wet and the programmed watering is not carried out (see 3. PUTTING YOUR WATER COMPUTER INTO OPERATION " Connect soil moisture or rain sensor ").
⑧	Watering duration ( flashes when in input mode).
⑨	Watering cycle ( flashes when in input mode).
⑩	Start time delay ( flashes when in input mode). Displays the remaining time until the program start.

3. INITIAL OPERATION

Insert battery [Fig. I1/I2]:

The Water Computer must only be operated with a 9 V alkalinanganese (alkaline) battery type IEC 6LR61.

1. Remove controller ⑪ from the housing of the Water Computer.
2. Insert battery in the battery compartment ⑫. Observe correct polarity ⑭.
The display shows all LCD symbols for 2 seconds and then the  symbol for watering duration flashes (see 4. PROGRAMMING).
3. Install controller ⑪ on the housing again.

Connect Water Computer [Fig. I3/M1]:

The Water Computer is fitted with a sleeve nut ⑮ for taps with (G 1") (33.3 mm) thread. The adaptor supplied ⑯ allows the Water Computer to be connected to taps with a (G ¾") thread (26.5 mm).

- Insert the filter ⑭ into the sleeve nut ⑮ and connect the water computer to the tap.

Connect soil moisture or rain sensor (optional) [Fig. I4]:

Apart from scheduled watering there is also the

option of including how damp the soil is or rainfall into the watering programme.

Note: If the soil is damp enough, the programme will be stopped, or a programme will be prevented from starting. Manual operation is possible at all times.

1. Remove controller ⑪ from the housing of the Water Computer (see 3. PUTTING YOUR WATER COMPUTER INTO OPERATION "**Insert battery**").
2. Place soil moisture sensor **in** the watered area – **or –** place rain sensor (with extension cable if necessary) **outside** the watered area.
3. Run the sensor cable ⑯ through the opening of the housing.
4. Disconnect the cover ⑰ and insert the sensor cable ⑯ plug into the sensor connection ⑱ of the water computer.
It can take up to 1 min. until the status of the sensor is shown on the 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) [Fig. I5]:

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. Tightly screw the clamp ⑯ complete with the screw ⑰ into the circular groove on the rear of the water computer.

2. Use clamp ⑯ e.g. for fixing a chain.

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

4. PROGRAMMING

Tip:

→ Program the Water Computer with the tap turned off. *In this way you can avoid getting wet.*

Enter watering program:

To set the programme, the controller can be removed and mobile programming can be carried out (see 3. PUTTING YOUR WATER COMPUTER INTO OPERATION “**Insert battery**”).

After the battery has been inserted, all program steps are automatically selected consecutively until a complete watering program has been entered.

If no program has been entered for 10 min., the watering cycle switches to „**Off**“.

Set watering duration [Fig. P1]:

The watering duration can be set between **2** to **60** minutes (at 5 minute intervals).

1. Press  button.

The water drop symbol flashes under the current watering duration.

2. Press  button until the desired watering duration is set (example: **30** minutes).

3. Press **OK** button.

The watering duration is stored.

Setting the watering cycle (day / frequency) [Fig. P2/P3]:

The watering days can be set to between daily (**24h**) and every 7 days (**7th**) and the watering frequency can be set to **1x** (every 24 hours), **2x** (every 12 hours) or **3x** (every 8 hours) respectively on the watering day.

The watering program is not carried out when the knob is set to **Off**.

1. Press  button.

The  symbol flashes under the current watering days.

2. Keep pressing the  button until the desired watering days have been set (example: **2nd** = every other day).

3. Press **OK** button.

The  symbol flashes under the current watering frequency.

4. Press  button until the required watering frequency is set (example: **2nd** = twice in 24 hours).
5. Press **OK** button.

The watering cycle is stored.

Setting the start time delay [Fig. P4]:

The start time can be delayed for up to 24 hours (the watering is carried out respectively at a later time). At the start time **0** watering is carried out immediately (the valve opens immediately).

1. Press  button.

The  symbol flashes under the current delay duration.

2. Press  button until the desired delay duration is set (example: **+6h** = Watering 6 hours later).

3. Press **OK** button.

The delay duration is stored.

Important information:

If the watering days are set to **Off**, the watering program is deactivated and neither the watering duration nor the start time delay can be modified. However, manual watering is still possible.

In order to reactivate, select watering days that are not set to **Off**.

Manual watering [Fig. P5/P6]:

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 duration, cycle and start time). The controller must be fitted.

1. Press **Man.** button.

The  symbol flashes under the current watering duration (preset to 30 minutes at the factory) for 10 seconds on the display.

2. Whilst the water duration is flashing, it can be modified with the  button (between **2** and **60** minutes) (example: **15** minutes) and confirmed with the **OK** button.

The valve is opened.

3. Press **Man.** button to close the valve early.

The valve is closed.

The adjusted manual watering duration is saved and is independent from the watering duration in the program, i.e. the adjusted watering duration is preset for each future manual valve opening.

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

Example: The valve is **opened at 9.00 a.m. manually**, the opening period is 15 minutes. A program with a **start time between 9.00 and 9.15 a.m.** will not be executed in this case.

5. STORAGE

To put into storage/Overwintering:

1. To preserve the battery, it should be removed (see 3. PUTTING YOUR WATER COMPUTER INTO OPERATION).

When the battery is inserted again in spring, the watering program must be newly entered again.

2. Store controller and valve unit in a dry place where they are protected from frost.



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

Disposing of flat batteries:

→ Please return flat batteries to a GARDENA dealer or dispose of them properly at your nearest recycling centre.

Only dispose of batteries when they are **flat**.

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.



6. MAINTENANCE

Clean filter [Fig. I3/M1]:

The filter ⑯ should be checked regularly and cleaned when necessary.

1. Unscrew sleeve nut ⑮ of the Water Computer by hand from the tap thread (do not use pliers).

2. If necessary unscrew the adaptor ⑯.
3. Remove filter ⑯ from sleeve nut ⑮ and clean.
4. Fit the Water Computer again (see 3. PUTTING YOUR WATER COMPUTER INTO OPERATION “**Connecting Water Computer**”).

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7. TROUBLESHOOTING

Problem	Possible Cause	Remedy
No display appears	Battery inserted incorrectly.	→ Check polarity markings match (+/-).
	Flat battery.	→ Insert new (alkaline) battery.
	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 (is continuously displayed).	→ Insert new (alkaline) battery.
	Tap turned off.	→ Turn tap on.
	Controller is not connected.	→ Mount controller on housing.
Watering program is not being undertaken (no watering)	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.

Problem	Possible Cause	Remedy
Watering program is not being undertaken (no watering)	Tap turned off	→ Turn tap on.
	Soil moisture or rain sensor registers damp.	→ If dry, check setting/location of soil moisture/ rain sensor.
	Controller is not connected.	→ Mount controller on housing.
	Battery flat ( is continuously displayed).	→ Insert new (alkaline) battery.
Water Computer does not close	Minimum quantity of water drawn is less than 20 l/h.	→ Connect more drip heads.



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.

8. ACCESSORIES

GARDENA Soil Moisture Sensor		Art. 1188
GARDENA Rain Sensor electronic		Art. 1189
GARDENA Anti-theft device		Art. 1815-00.791.00 From GARDENA Service
GARDENA Adapter cable	To connect older GARDENA sensors.	Art. 1189-00.600.45 From GARDENA Service
GARDENA Cable Adapter	For simultaneous connection of rain and soil moisture sensor.	Art. 1189-00.630.00 From GARDENA Service

9. TECHNICAL DATA

	Unit	Value (Art. 1881)
Min./max. operating pressure	bar	0,5/12
Operating temperature range	°C	5 to 50
Flow medium		Clear fresh water
Max. liquid temperature	°C	40
Number of program-controlled watering cycles per day		3 x (every 8 hrs.), 2 x (every 12 hrs.), 1 x (every 24 hrs.)
Number of program-controlled watering cycles per week		Every day, every 2, 3 or 7 days
Watering duration		2 min. to 60 min. (at 5 minute intervals)
Battery required		1 × 9V alkaline manganese (alkaline) battery type IEC 6LR61
Operating time of the battery		approx. 1 year

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10. 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:

Faults which occur as a result of incorrectly installed or leaking batteries are not covered by the guarantee.

Damage caused by frost is not covered by the warranty.

<p>DE Produkthaftung</p> <p>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.</p>	<p>IT Responsabilità del prodotto</p> <p>In conformità con la Legge tedesca sulla responsabilità del prodotto, con la presente dichiariamo esplicitamente 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.</p>
<p>EN Product liability</p> <p>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.</p>	<p>ES Responsabilidad sobre el producto</p> <p>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.</p>
<p>FR Responsabilité</p> <p>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.</p>	<p>PT Responsabilidade pelo produto</p> <p>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.</p>
<p>NL Productaansprakelijkheid</p> <p>Conform de Duitse wet inzake productaansprakelijkheid verklaren wij hierbij uitdrukkelijk dat wij geen aansprakelijkheid aanvaarden 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.</p>	<p>SL Odgovornost proizvajalca</p> <p>V skladu z nemškimi zakoni o odgovornosti za izdelke,izrecno izjavljajo, da ne sprejemamo nobene odgovornosti za škodo, ki jo povzročijo naši izdelki, če teh niso ustrezno popravili GARDENINI odobreni servisni partnerji ali pri tem niso bili uporabljeni originalni GARDENINI nadomestni deli ali GARDENINIMI homologirani nadomestni deli.</p>

<p>DE EU-Konformitätserklärung</p> <p>Der Unterzeichner, GARDENA Germany AB, PO Box 7454, S-103 92 Stockholm, Schweden, bescheinigt hiermit, dass die nachstehend aufgeführten Geräte bei Verlassen des Werks die harmonisierten EU-Leitlinien, EU-Normen für Sicherheit und besondere Normen erfüllen. Dieses Zertifikat verliert seine Gültigkeit, wenn die Geräte ohne unsere Genehmigung verändert werden.</p>	<p>IT Dichiarazione di conformità CE</p> <p>La sottoscritta GARDENA Germany AB, PO Box 7454, S-103 92 Stockholm, Svezia, certifica che il prodotto qui di seguito indicato, nei modelli da noi commercializzati, è conforme alle direttive armonizzate UE nonché agli standard di sicurezza UE e agli standard specifici di prodotto. Qualunque modifica apportata al prodotto senza nostra specifica autorizzazione invalida la presente dichiarazione.</p>
<p>EN EC Declaration of Conformity</p> <p>The undersigned, GARDENA Germany AB, PO Box 7454, S-103 92 Stockholm, 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>ES Declaración de conformidad CE</p> <p>El abajo firmante, GARDENA Germany AB, PO Box 7454, S-103 92 Stockholm, Suecia, certifica por la presente que, cuando salen de la fábrica, las unidades indicadas a continuación cumplen las normas de armonización de la UE, las normas de la UE sobre seguridad y las normas específicas del producto. Este certificado quedará sin efecto si se modifican las unidades sin nuestra autorización.</p>
<p>FR Déclaration de conformité CE</p> <p>Le constructeur, soussigné : GARDENA Germany AB, PO Box 7454, S-103 92 Stockholm, Suède, 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 apportée à cet appareil sans notre accord annule la validité de ce certificat.</p>	<p>PT Declaração de conformidade CE</p> <p>O abaixo-assinado, GARDENA Germany AB, PO Box 7454, S-103 92 Stockholm, Suécia, certifica por este meio que, ao sair da nossa fábrica, as unidades indicadas acima estão em conformidade com as diretrizes uniformizadas da UE, os padrões de segurança da UE e os padrões específicos do produto. Este certificado deixa de ser válido se as unidades forem modificadas sem a nossa aprovação.</p>
<p>NL EG-conformiteitsverklaring</p> <p>De ondergetekende, GARDENA Germany AB, PO Box 7454, S-103 92 Stockholm, Zweden, verklaart hierbij dat de producten die hieronder staan vermeld, wanneer ze onze fabriek verlaten, in overeenstemming zijn met de geharmoniseerde Europese richtlijnen, EU-normen voor veiligheid en productspecifieke normen. Dit certificaat vervalt als de producten worden aangepast zonder onze toestemming.</p>	<p>SL Izjava ES o skladnosti</p> <p>Spodaj podpisana, GARDENA Germany AB, PO Box 7454, S-103 92 Stockholm, Švedska, s to izjavo potrjuje, da je bila spodaj navedena enota ob izhodu iz tovarne skladna z ustanovjenimi smernicami EU, standarti EU za varnost in standardi, specifičnimi za izdelek. Izjava postane neveljavna v primeru neodobrene sprememb enote.</p>

Produktbezeichnung: Description of the product: Désignation du produit : Beschrijving van het product: Descrizione del prodotto: Descripción del producto: Descrição do produto: Opis izdelka:	Bewässerungscomputer Water Computer Programmateur d'arrosage Besproeiingscomputer Computer per irrigazione Programador de riego Computador de rega Namakanega računalnika	Anbringungsjahr der CE-Kennzeichnung: Year of CE marking: Année d'apposition du marquage CE : Installatiejaar van de CE-aanduiding: Anno di applicazione della certificazione CE: Colocación del distintivo CE: Ano de marcação pela CE: Leto namestive CE-oznake:
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