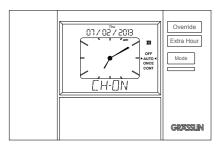
http://waterheatertimer.org/Intermatic-timers-and-manuals.html

GRÄSSLIN

QEG-1 QEG-1S

EN Operating Manual



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> More information on our web page: http://qeg.graesslin.de/qrcode/im/qeg1/







Danger! Risk of electric shock!

Installation must be carried out by a professional electrician!

- To avoid injuries, the device must be installed by a skilled electrician only!
- Before changing the battery, the device must be disconnected. from the power supply!
- Please observe the national regulations and safety instructions Interferences and changes to the device will invalidate the warranty and guarantee rights.
- . Maximum diameter of the conductors lines for the terminals: 2 x 2.5 mm

Read and observe these instructions to guarantee a perfect function of the device and a safe operation



Information about the device

What is a programmer?

..an Explanation for Householders (as recommended by the Energy Savings Trust)

Programmers allow you to set 'ON' and 'OFF' time periods. Some models switch the central heating and domestic hot water on and off at the same time, while others allow the domestic hot water and heating to come on and go off at different times.

Set the 'ON' and 'OFF' time periods to suit your own lifestyle. On some programmers you must also set whether you want the heating and hot water to run continuously, run under the chosen 'ON' and 'OFF' heating periods, or be permanently off.

1) Function not available for all products.

The time on the programmer must be correct. Some types have to be adjusted in spring and autumn at the changes between Greenwich Mean Time and British Summer Time

You may be able to temporarily adjust the heating programme, for example, 'Override', 'Advance', or 'Boost'. These are explained in the manufacturer's instructions.

The heating will not work if the room thermostat has switched the heating off. And, if you have a hot-water cylinder, the water heating will not work if the cylinder thermostat detects that the hot water has reached the correct temperature.

Description of the device

Your single channel timeswitch provides timing control for your central heating, letting you set ON and OFF periods to suit your own lifestyle.

- Backlit LCD Display Real Time Clock
- Up to 3 ON/OFF per day
- Automatic summertime / wintertime changeover Daily weekly ¹⁾ and week-weekend ¹⁾ programming possibility
- Different running modes: OFF, AUTO, ONCE, CONTINUOUS and HOLIDAYS 1)
- Manual override function
- Manual extra hour function
- · 3 different pre-programmed profiles, customizable by user
- Boiler service interval indication & actions ¹

Designated use

- . The programmer is used to control central heating zone systems or combi boilers
- . Suitable for use in dry rooms only!
- . Do not install in the vicinity of devices which generate inductive discharges (motors, transformers, etc.)

95 x 148 x 36

< 3 W

1 min.

230 V AC / 50-60 Hz

3 A 250 V \sim resistive, $\cos \phi = 1$

24 h or 12 h AM/PM format

3 A 250 V \sim inductive, $\cos \varphi = 0.6$

Technical data

Dimensions H x W x D (mm) Weight g (approx.) Power consumption Power reserve

Switching capacity

Time display Time setting resolution

 Time of day - Programmes / min. switching 1 min. Programmes

Number of switchings per day Operating temperature range Ambient temperature Humidity range Accuracy Protection type

Selectable (daily, weekly, or 3 ON/OFF pairs

(2 ON/OFF pairs selectable) 0°C ... + 45°C -20°C + 55°C 10 to 90% RH, non condensing Type \pm 1 sec./day at +20°C EN60730-2-7 Compliant with building regulations (Part L UK) (Part J Scotland)



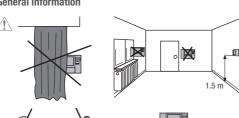
European standards

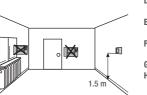
Installation and mounting

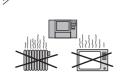


Installation must be carried out by a

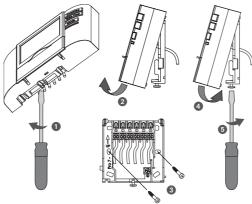
General information

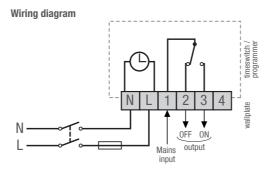






Open/Close housing, Wall mounting







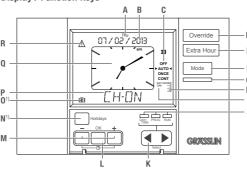
Quick-start guide - 3 clicks to total control

- Press **OK** three times
- The default Standard in-built programme runs
- You can control the QEG with the Override, Extra Hour or Mode

Please read the full instructions if you want to know more.

Operation and configuration

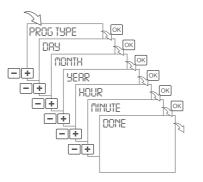
Display / Function keys



- Day of the week indicator Current day, month, year
- Central heating operating mode indicator
- Central heating override Central heating extra hour
- Central heating operating mode button
- Central heating indicator lamp Central heating extra hour indication
- Central heating programming period indication Select indicator lamps
- OK button
- "-" and "+" button N 1) Holiday button
- O 1) Holiday icon Information text line Analog clock /
 - R Warning icon

Commissioning

When first using the timer, you have to set programming type,



- Connect the programmer to power.

 Product name and version number are displayed briefly. The preset PROGRAMMING TYPE and OK are flashing.

Depending on the product you can choose between three different settings: Daily, Weekly 1) or Week-Weekend 1).

with the same ON/OFF time schedule You can program each day (Monday, Tuesday, ...) with a different ON/OFF time schedule

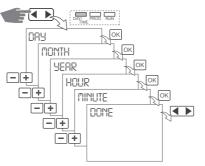
All days (Monday - Sunday) are programmed

Week-Weekend 1) You can program Monday - Friday with a ON/ OFF time schedule and Saturday - Sunday with a different one.

- Choose your desired programming type (DAILY, WEEKLY 1), WEEK-WEEKEND 1), - or + and confirm with ok.
- Preset value **DATE** is flashing.
- Enter day, ≡ or ±, and confirm with □κ Preset value MONTH is flashing.
- Enter month, \Box or oxdot, and confirm with \Box
- Preset value YEAR is flashing. Enter year, \square or \square , and confirm with \square .

 Preset **TIME** is flashing.
- Enter hour, \Box or $\dot{\pm}$, and confirm with \odot k.
- Preset value MINUTE is flashing.
- Enter minute, or +, and confirm with ok.
- The date and time are saved. The programmer goes to RUN mode

f you wish to change the date or time, follow the instructions below



- Press the **SELECT** until menu **DAY/TIME** is selected.
- Preset value **MONTH** is flashing. Enter month, \square or \boxdot , and confirm with \boxdot .
- Preset value YEAR is flashing. Enter year, - or +, and confirm with -.
- Preset **TIME** is displayed. Enter hour. - or + and confirm with ox
- Preset value MINUTE is flashing. Enter minute.
 or
 and confirm with The date and time are saved.
- 7. Press the **SELECT** until indicator lamp **RUN** is ON.

Change AM/PM time display to 24 hour clock

Your programmer can operate on the 12 hour AM/PM or 24 hour clock

If you wish to change the clock format, follow the instructions below:

INST MENU OK DIGI CLOCK 12 24 HRS - + OK

Make sure the device is working in RUN mode.

- Press and hold buttons at the same time for 10 seconds. INST MENU opens and OK is flashing.
- Confirm with OK

- + OK

- The menu item **DIGI CLOCK** is displayed
- Press ok to edit settings. Setting NO is flashing.
- Press or to scroll through the menu. Choose YES and confirm with OK Setting AM PM is flashing.
- Press 🖃 or 🛨 to scroll through the menu. Choose **AM PM** or **24** HRS and confirm with OK.
- The chosen setting is saved

installers menu with + key.

- The next menu item **BACKLIGHT** is displayed.
- To save your settings, continue scrolling through the menu options with + key, until you once again see INST MENU / - OK +, and finally leave the installers menu with + key. With QEG-1S, continue scrolling through the menu options with + key, until you see CHANGE PIN / - OK +, and finally leave the

Running a built-in programme (default programmes)

With the date and time correct, your timer will now be operating to the built-in programmes. These have been designed to provide heating at typical times throughout the day.

The built-in programmes give you a starting point that you can personalise to your own requirements, please see the section "Review/ Edit central heating program" or "Review/Edit domestic hot water

Built-in programme STD (DEFAULT) ON1: 06:30 am ON2: 12:00 pm* ON3: 04:30 pm

Built-in programme **ECO**

	UFF1. U0.3U dili	OFF2. 12.00 pill	UFF3. 10.30 pili					
Weekly 1)	ON1: 06:30 am	ON2: 12:00 pm	ON3: 04:30 pm					
	0FF1: 08:30 am	OFF2: 01:00 pm	0FF3: 10:30 pm					
	014 00 00	0110 40 00	0110 04 00					
Week-	ON1: 06:30 am	ON2: 12:00 pm	ON3: 04:30 pm	Mo - Fr				
Weekend 1)	OFF1: 08:30 am	OFF2: 01:00 pm	OFF3: 10:30 pm					
	ON1: 06:30 am	ON2: 12:00 pm	ON3: 04:00 pm	Sa - Su				
	0FF1: 09:30 am	OFF2: 01:00 pm	OFF3: 10:30 pm					
D. W. C.								
Built-in programme HOME								

ON1: 06:30 am ON2: 12:00 pm* ON3: 04:00 pm 0FF1: 09:30 am OFF2: 12:00 pm* OFF3: 11:00 pm ON1: 06:30 am ON2: 12:00 pm ON3: 04:00 pm 0FF1: 09:30 am OFF2: 01:00 pm OFF3: 11:00 pm 0N3: 04:30 pm Mo - Fr 0N1: 06:30 am Weekend 1) OFF1: 09:30 am OFF2: 01:00 pm OFF3: 11:00 pm ON2: 12:00 pm ON1: 06:30 am 0N3: 04:00 pm Sa - Su OFF3: 11:00 pm

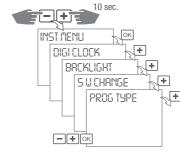
	0FF1: 07:30 am	0FF2: 12:00 pm*	OFF3: 10:00 pm	
Weekly 1)	ON1: 08:30 am OFF1: 09:30 am	ON2: 12:00 pm OFF2: 01:00 pm	0N3: 05:30 pm 0FF3: 10:00 pm	
Week-	0N1: 06:30 am	0N2: 12:00 pm	0N3: 05:30 pm	Mo - F

ON1: 06:30 am ON2: 12:00 pm* ON3: 05:30 pm

OFF1: 09:30 am OFF2: 01:00 pm OFF3: 10:30 pm * On/off prgrammes with the same time cancel out - no switching will occur

ON2: 12:00 pm

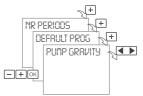
The built-in programmes can be selected in the INSTALLERS MENU. To access to installers menu, the device must be working in RUN mode.



ON1: 08:30 am

- Make sure the device is working in RUN mode.
- Press and hold $= \pm$ buttons at the same time for 10 seconds. INST MENU opens and OK is flashing.
- Confirm with OK
- Installers menu is activated
- Press 3 x ± until **PROG TYPE** is displayed.
- Press ok to edit settings.

 Preset value is flashing.
- 6. Press = or + to scroll through the menu. Choose your desired setting (DAILY, WEEKLY 1), 5-2 DAYS 1) and confirm with OK.
 - The chosen setting is saved.
 The next menu item NR PERIODS is displayed.



Press + to go to DEFAULT PROG.

- Press of to edit settings.

 Preset value is flashing.
- 9. Press = or ± to scroll through the menu. Choose your desired setting (STD, HOME or ECO) and confirm with OK. The chosen setting is saved
 - The next menu item PLIMP GRAVITY is displayed.
- 10. To save your settings, continue scrolling through the menu options with + key, until you once again see INST MENU / -**OK** +, and finally leave the installers menu with + key. With QEG-1S, continue scrolling through the menu options with + key, until you see CHANGE PIN / - OK +, and finally leave the installers menu with + key.

Review/Edit central heating (CH) program Depending on the product you can choose between three different

settings: Daily, Weekly 1) or Week-Weekend (5-2 days)1).

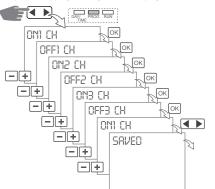
All days (Monday - Sunday) are programmed with the same ON/OFF time schedule

> You can program each day (Monday, Tuesday, ...) with a different ON/OFF time schedule

You can program Monday - Friday with a ON/ Week-Weekend 1) OFF time schedule and Saturday - Sunday with a different one

 $\begin{tabular}{c} \begin{tabular}{c} \begin{tabu$ Every programme has three pairs of ON/OFF switching times per day. Each time can be set between 3.00 am and 2.50 am (on the next day).

Example 1: Daily programming CH, built-in programme STD



1. Press the **SELECT** • until indicator lamp **PROG** is ON. Preset value ON1 (06:30) is flashing.

ON3: 05:30 pm Sa - Su

• If you make any changes, you must press OK to confirm ALL ON/OFF pairs before pressing the select button to return to the RUN mode, otherwise your changes will be lost.

 Press — or + briefly to increase/decrease the time in 1 minute steps. Press and hold - or + longer than 2 seconds to increase

decrease the time quickly.

Or press OK to confirm a displayed (flashing) value

2. Enter hour and minute for the new **ON1** command, - or +, and confirm with OK Preset value OFF1 (08:30) is flashing.

Enter hour and minute for the new **0FF1** command, \square or \square , and confirm with OK.

Preset value ON2 (12:00) is flashing 4. Enter hour and minute for the new **ON2** command, \square or \square , and confirm with $\[\]$.

Preset value OFF2 (12:00) is flashing.



Danger! Risk of electric shock!

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- 5 Enter hour and minute for the new **OFF2** command \Box or \Box and confirm with ok.
- Preset value ON3 (16:30) is flashing. 6. Enter hour and minute for the new **ON3** command. — or +1. and confirm with ok.
- Preset value OFF3 (22:30) is flashing.
- Enter hour and minute for the new **OFF3** command. \square or \square . and confirm with OK.
- Set value ON1 is flashing.
- Press the **SELECT** until indicator lamp **RUN** is ON. The program is saved.

Example 2: Weekly programming CH, built-in programme STD

- 1. Press the **SELECT** until indicator lamp **PROG** is ON. Day MON is flashing.
- You have the possibility to edit each day individually or you can create dayblocks, e.g. Tue, Wed, Fri and Sat, where you can set the same ON and OFF sequence.
- Days you do not select will keen the preset values.

2 Select the first desired day - or + and confirm with ok

ADD DAY: YES

- ► Choose **YES**, or —, if you want to create a dayblock and The next day is flashing
- and confirm with OK
- The menu item **ADD DAY** is displayed. Repeat this process until the desired days have been selected. On the last day selected, choose **NO** for **ADD DAYS** and confirm

Select the next day you want to add to the dayblock, \Box or $\dot{\pm}$,

- The selected days are shown in the display. The preset time ON1 (06:30) is blinking.

ADD DAY: NO

Choose NO, - or +, if you want to edit each day individually > The preset time **ON1** (06:30) is blinking.

- If you make any changes, you must press OK to confirm ALL ON/OFF pairs before pressing the select button to return to the RUN mode, otherwise your changes will be lost.
 - Press ☐ or ☐ briefly to increase/decrease the time in 1 minute stens
 - Press and hold \Box or \pm longer than 2 seconds to increase/ decrease the time quickly
- Or press OK to confirm a displayed (flashing) value
- 3. Enter hour and minute for the new **ON1** command, \sqsubseteq or $\stackrel{\bullet}{\bot}$, and confirm with 🗵.
- > Preset value OFF1 (08:30) is flashing.
- Enter hour and minute for the new **OFF1** command, \square or \boxdot , and confirm with 🖳 > Preset value ON2 (12:00) is flashing
- Enter hour and minute for the new ON2 command, or +,
- and confirm with OK > Preset value 0FF2 (13:00) is flashing.
- Enter hour and minute for the new OFF2 command, or +, and confirm with $\[\]$
- Preset value ON3 (16:30) is flashing. Enter hour and minute for the new ON3 command, - or +,
- and confirm with OK.
- Preset value OFF3 (22:30) is flashing.
- 8. Enter hour and minute for the new **OFF3** command, \square or \square , and confirm with OK
- The time is saved.
- The menu item **SELECT DAY** is displayed.
- You can select and edit a new day, \square or \square , or press the **SELECT** • until programming menu **RUN** is selected to exit.

Operating modes

The operating mode may only be changed when **RUN** mode is activated (green indicator lamp RUN must be ON).

0FF The system will remains OFF.

AUT0 The system will be switched ON and OFF according to the adjusted program.

ONCE The heating will come ON at the first programmed ON time, and go OFF at the last programmed OFF time.

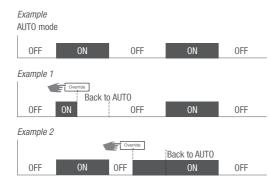
CONTINUOUS The system will remain ON continuously.

OVERRIDE mode

The Override function (temporary program override) allows the user to finish the current running program prematurely or start a program to run before its scheduled start. This depends on the current channel status. The Override function applies only to the current program and remains active until the next program change. After that, the programmer returns to AUTO mode.

The Override function is only available when the device is running in AUTO and ONCE operating mode.

1 x Fi Override Enable OVERRIDE 2 x Disable OVERRIDE

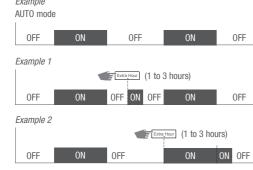


Extra hour mode

The extra hour button allows you to switch the system ON for up to 3 extra hours without altering the program.

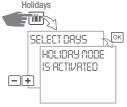
- When the blue central heating indicator lamp is OFF, pressing an EXTRA HOUR button switches the heating ON for just one hour.
- When the blue central heating indicator lamp is ON, pressing an EXTRA HOUR button extends the programmed ON period by one
- Further presses of the EXTRA HOUR button will increase the extra hour period by one hour for each button press, up to a maximum of 3 hours.
- To cancel the extra hours, just keep pressing the EXTRA HOUR button until the message EXT HOUR disappears from the display. The system returns to previous status.

Example



Holiday mode 1

The Holiday function allows you to switch OFF your heating system for a specified number of days (from 1-90 days). This lets you save energy and related costs when you are away from home, but resumes normal operation on the day of your return.

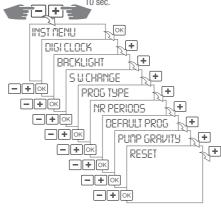


- Make sure the device is working in RUN mode.
- Press the **HOLIDAY** button.
- Select desired numbers of days, \Box or $\dot{\pm}$, and confirm with $\dot{\boxtimes}$. Holiday mode is activated
- To cancel the Holiday function, just press the **HOLIDAY** button again. If you use the holiday function during winter you should ensure that you have a secondary frost protection device in your system to prevent frost damage.

Installers menu

The programmer has a special installers menu where some features can be adjusted to suit your lifestyle or preferences. To access to installers menu (INST MENU) the device must be working in RUN mode (green indicator lamp RUN must be ON).

If you wish to change the settings in the installers menu, follow the instructions below



- Make sure the device is working in RUN mode.
- Press and hold + buttons at the same time for 10 seconds. INST MENU opens and OK is flashing.
- Confirm with OK Installers menu is activated, you can change the settings
- ▶ Press ok to edit/confirm settings and or to select settings.
- ▶ To save your settings, continue scrolling through the menu options with \oplus key, until you once again see INST MENU / OK +, and finally leave the installers menu with + key.

With QEG-1S, continue scrolling through the menu options with ± key, until you see CHANGE PIN / − 0K +, and finally leave the installers menu with ± key.

► To cancel installers menu, press ◀ ▶ button.

The following settings are possible:

Digital clock Shows the current time (hours/minutes) in a (DIGLCLOCK) digital and analog clock format Setting possibilities: NO: Digital clock not shown (Default value). YES: Digital clock shown. If digital clock is set YES, you can choose between 12 HRS (AM-PM) or 24 HRS format.

Backlight (BACKLIGHT)

Setting possibilities: PERMANENT ON: Backlight always ON (Default PERMANENT OFF: Backlight always OFF

BUTTON PRESSED: Backlight ON when any pushbutton is pressed. Backlight goes OFF 20 seconds after the last pushbutton press.

Auto Summer Wintertime changeover (S W CHANGE) Automatic Summer/Winter time change. Summer time starts on the last Sunday of March (1:00 am to 2:00 am) and ends on last Sunday of October (2:00am to 1:00am), then Winter time starts

Setting possibilities ON: S/W time change will be done automatically

(Default value) OFF: S/W time change must be done manually.

Programming type 1)

Menu to select daily, week-weekend¹⁾, weekly¹⁾ programming. This value will be applied by central heating programming method. Setting possibilities:

All days (Monday - Sunday) are programmed Daily: with the same ON/OFF time schedule

You can program each day (Monday, Tuesday, ...) with a different ON/OFF time schedule

You can program Monday - Friday with a ON/ Week-Weekend 1) OFF time schedule and Saturday - Sunday with a different one.

Number of periods (NR PERIODS)

(DEFAULT PROG)

Number of adjustable time periods defined by ON-OFF pairs to control central heating or omestic hot water

Setting possibilities 3 ON-OFF: adjust maximum 3 ON-OFF time

periods (Default value). 2 ON-OFF: adjust maximum of 2 ON-OFF time

periods.

Default programmes Time programme that will appear by default when running in AUTO mode or as base point to customize according to users' lifestyle Setting possibilities

STD: Standard Profile (Default value) HOME: Home Profile

Detailed explanation of the profiles see chapter "Running a built-in programme

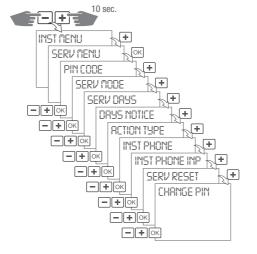
Reset all parameters of installation menu to (RESET) factory default

Service menu

This mode is a countdown of the operating running time. Service period time, action and message shown will be set into service menu (for service variants only).

To access to service menu (SERV MENU) the device must be working in RUN mode (green indicator lamp RUN must be ON). Service mode is PIN code protected. The preset value is **1234**. You can change the PIN code in the installers menu.

If you wish to change the settings in the service menu, follow the instructions below



- Make sure the device is working in RUN mode.
- Press and hold -+ huttons at the same time for 10 seconds
- INST MENU opens and OK is flashing. Press 🛨 button
- Service menu (SERV MENU) is selected
- OK is flashing.
- Confirm with ok. First number of **PIN CODE** is flashing.
- Enter first number of PIN code. or + and confirm with ox Second number of PIN CODE is flashing
- Enter second number of PIN code, \Box or \pm , and confirm with \Box K. Third number of PIN CODE is flashing.
- Enter third number of PIN code, or +, and confirm with ok. Fourth number of PIN CODE is flashin
- Enter fourth number of PIN code, \Box or $\dot{\pm}$, and confirm with \Box K. If PIN code is correct, service menu is activated, you can change the settings.
- ▶ Press ok to edit/confirm settings and or to select settings.
- To save your settings, continue scrolling through the menu options with \boxdot key, until you see **CHANGE PIN / - OK +,** and finally leave the service menu with ± key.
- ▶ To cancel service menu, press ▼ ▶ button

The following settings are possible:

NO: Functionality is disabled (Default value) Service mode YES: Functionality is enabled. (SERV MODE)

Service days You can set the number of days (1 to 400) after which a service message is to appear. (SERV DAYS)

It will be shown on the display as soon as the counter has reached the number of days

Number of days to "show" service message Davs notice (DAYS NOTICE) on screen. Adjustable from 0 to 30 days.

Action type (ACTION TYPE)

TIMED: After service days due, heating system will be OFF, with possibility to switch ON manually the channels in 1 hour time fractions by pressing Extra hour button, up to 3 hours (maximum nr. of times : Timed Boost) (Default value) **REMIND**: After service days due, system

will remind by a message to call installer for revision and system restart

TOTAL OFF: After service days due, heating system will be off until installer restarts the device (all push buttons and running modes will be disabled)

Timed hoost (TIMED BOOST)

(INST PHONE)

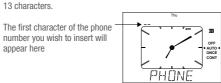
Available only if action type is set as TIMED. It gives the possibility to run manually for an undefined time (in 1 hour fraction times) or during a maximum number of times Setting possibilities:

NO LIMIT (Default value) SELECTABLE, 1 to 99 times Show/Hide Installer's phone nr. on screen. Phone number

> after service due day Setting possibilitie NO: Hide phone Nr. (Default value) YES: Show Phone Nr.

When entering your own 'phone number in the Service Mode,

the number will appear in the smaller line of text above the Initially, there is an underscore cursor visible in the top left area above the clock display. Press the
or
buttons to scroll through numbers and text (full Alpha-numeric range), once you have selected the character you require, press OK, the cursor will move to the next character space. There is capacity to enter



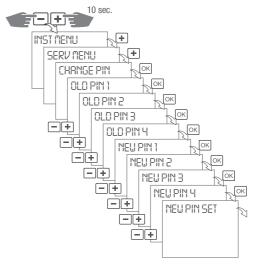
Menu reserved to introduce installer's own Installer's phone phone nr. (max. 12 digits) (INST PHONE INPUT)

Setting possibilities: EMPTY (Default value) Inserted **PHONE NUMBER**, if installers place any phone number.

Service reset (SERV RESET) Reset all parameters of service menu to factory default

PIN code

Service mode is PIN code protected. The preset value is 1234. If you wish to change the PIN code, follow the instructions below



- Make sure the device is working in RUN mode.
- Press and hold $= \pm$ buttons at the same time for 10 seconds.
- INST MENU opens and OK is flashing. Press 2 x + until CHANGE PIN is displayed
- OK is flashing.
- First number of **OLD PIN CODE** is flashing.
- Enter old PIN code.
- Press or to set a numeric value.

 Press to set the next number.
- ${\,ert}$ If old PIN code was correct, first number of **NEW PIN CODE** is flashing.
- Enter new PIN code.
- Press or to set a numeric value.

 Press to set the next number.
- New PIN code is saved.

Replacing a Grasslin QE1 with a QEG-1

If you are replacing a QE1 with a QEG-1 (or -1S), the QEG product will fit the QE1 backplate, but you must change the wiring connections to the existing QE1 backplate:

If a live link is connected between terminal L and terminal 3: Move the link terminal 3 connection to terminal 1

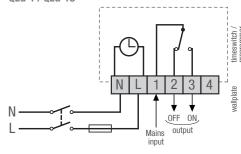
Move the switched live connection

From terminal 4 to terminal 3 If the OF1 was controlling a volt-free circuit:

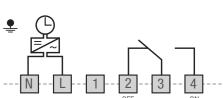
Move the switched wire pair from terminals 3 & 4
To terminals 1 & 3

The respective wiring diagrams are shown below for comparison purposes

QEG-1 / QEG-1S



0E1





engineering.

Disposal / Recycling

Dispose of the packing material correctly according to legal requirements and regulations.

Observe the following notes for disposing of defective system components or the system after its service life:

- Dispose of appropriately, i.e. separating the parts to be disposed of according to material groups. Do not throw electrical and electronic components in the bin
- Bring these parts to the recycling centers. Always ensure the environmentally sound disposal conform to the state-of-the-art environment protection, recycling and disposal

1) Function not available for all products.

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