

ROYAL WHARF

LONDON



APARTMENT SERVICES QUICK STEP GUIDE **USER MANUAL**



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1. FAQ

1.1. OPERATE YOUR HEATING

What is a Thermostat and where is it located?

Thermostat is the main control unit for a heating system and hot water supply. Thermostat is located on the wall in your living room. You can choose from 4 different fixed programs and in case, there is no program suitable for you, you can set up your own weekly program of heating and hot water supply. If you want to learn more about your Thermostat and its setting, please go to [page number 9](#).

How can I set the Time & Date on thermostat?

Your Time and Date should be displayed on the Thermostat. Please, check the Thermostat display. If the screen doesn't show any information about Date and Time and Program (this can be caused by powering off), please, go to [page number 13](#) and set your Date, Time and Program.

How can I set my weekly Heating & Hot water program?

The Thermostat installed in your apartment has 4 fixed weekly programs of heating for each day of the week from Monday to Sunday. You can choose one of these programs. If you are not happy with any of these programs, please follow the [page number 14](#) and set up your own program.

My apartment is too hot/cold. How can I increase/decrease the temperature in my apartment?

If you set up your program, but suddenly you feel your apartment is too cold/too hot, you can change the temperature only for few hours without changes in the actual program. For more information, how to boost (increase/decrease) the temperature in your apartment, overriding the programmes, please go to [page number 20](#).

1.2. APARTMENTS LAMPS & LIGHTS

Lights don't work. What should I do?

If all your lights don't work at all, please go to your Utility cupboard and check the Fuse box (CCU) and the positions of the switches inside of it. Position UP is on, position DOWN is off. All switches are labelled. If Lights switches are OFF (position DOWN), please turn them on (flick it to the UPPER position). Lights should work now.

If only one (or few) lights are not working, please, go to [page number 28Z](#). Most likely you need to change the LED light. Please don't forget, Safety First!

What should I do before I start to change the light in the lamp?

When you just have found out you need to change the LED light in the Light fitting, please, don't forget – Safety First! Before you start changing your light, please, go to [page number 28](#), and read the instructions to make sure, you do it safely and correctly to avoid any injuries or damages. Electricity is a dangerous matter!

How can I change the light in the lamp?

After you have read the instructions, switched the power off and allowed the lamp to cool down, you can now change your light. Please, go to [page number 2Z](#) and read the manual Step by Step.

Which type of LED light do I need?

All downlights in the living room, kitchen, bedrooms and bathrooms are the LED lights type Orlight GU10. For more information about the Lights, please go to [page number 28](#).

1.3. SHOWER UNIT

How can I operate my shower?

Instructions for operating your shower you can find in [page number 34](#).

Can I use detergents to clean my shower/bath?

The manufacturers strongly don't recommend using any detergents for cleaning your bath, shower tray, basin and particularly to don't use any detergents for chromed shower house and basin mixer. This could cause damage of the chrome surfaces. For more information about cleaning your bathroom go to [page number 3Z](#).

How should I clean my Sanitary ware (shower tray, bath, basin, shower house shower mixer)?

Cleaning your bath, basin, shower tray, shower house and basin mixer is important for its long life. For the full instructions about safe cleaning your Sanitary ware, please go to [page number 37](#).

1.4. HOME CIRCULATION FAN

What is MVHR and where is it located in my apartment?

In your apartment there is a MVHR (Mechanical Ventilation and Heat Recovery). It's working automatically and nonstop and you don't have set anything. The MVHR will enter in boost mode when the bathroom lights or kitchen boost switch are switched on.

MVHR is removing used humid air out of your apartment while it keeps the heat and use this heat to warm up the cold fresh external air blown inside.

The MVHR is located in the Utility cupboard in your apartment mounted on the wall.

For more information about MVHR, please go to [page number 39](#).

Is my MVHR air – conditioning/heating?

No, MVHR is not air-conditioning or heating. For more information, please go to [page number 39](#).

Why my MVHR doesn't make any noise?

MVHR is working nonstop 24hours 7days per week. Manufacturers are trying to design the system which produces as less noise as possible. MVHR is not supposed to do almost any noise.

Do I have to clean/change the filter of MVHR?

Manufacturers recommend cleaning the filter every 6 months. For cleaning the filter, you can use a Hoover. For more information about Filter and its cleaning, please go to [page number 41](#).

1.5. DOOR ENTRY PHONE

What is the Door entry phone and where is located?

The Door Entry Phone is a device which allows you to see your visitors by the main entrance of the Plot and open the main door for them. Your Door Entry Phone has camera function, Private mode and Door Open Button.

This device is located in the Hall in your apartment.

For more information, please go to [page number 42](#).

What should I do when the phone is ringing?

When called, the handset will give a distinctive call tone. Lift the hand – piece to speak with the caller. The video monitor will display for the length of the call (if the call is not answered, the system will reset to allow other visitors to make a call). To let the caller, gain an access, press the “Door Open” button. When the call is completed, replace the hand – piece to reset the system.

Can I set my own privacy mode?

If you don't wish to be disturbed, press the “Privacy” button. The “Privacy” button will illuminate, and the call is muted when in the privacy mode. Press the “Privacy” button again to cancel the Privacy mode. There is a build in timer that automatically cancels the Privacy mode.

1.6. TOWEL RAIL TIMEGUARD

What is the Towel Rail Timeguard and where is located?

Towel Rail Timeguard is a device which operates and controls the temperature of Towel Rails in your bathrooms. It is located in the Utility Cupboard. For more information, please go to [page number 43](#).

How can I set the Time and Date?

For Date and Times settings go to [page number 4445](#) and please, read the instructions.

How can I set up my own weekly program?

You have up to 4 ON and OFF programmes available (5 day plus 2 or 7 day programmes) giving up to 28 ON and OFF programmes per week. Display offers you 1 or 2-hour boost

facility and automatic Summer/Wintertime changeover. For more information, how to set up your own program, please go to [page number 466](#), how to programming across midnight and about modifying your program on [page number 488](#)

Can I set the program for each Towel Rail separately?

If your apartment has more than one Bathroom / Towel rail, there will be one Towel rail controller for each one of them. You can set them up individually on each controller.

Do I have to change the batteries?

The unit has an in built non replaceable, rechargeable battery, which will keep the programmed times during power restored, and 4 hours have elapsed (to give a working battery charge). Read more about batteries on [page number 44](#).

How can I boost my towel rail?

One press of the Boost button will provide a 1-hour boost, after which output will turn off. Two presses will give 2 hours' boost. A third press of the boost button will cancel any boost period.

2. Operate your Heating

2.1. ROOM HEATING CONTROLLER - INTRODUCTION

Perri 1CR CR028B programmable room controllers have an easy to use menu navigation, making it extremely user-friendly. It includes two winter and two summer programs already pre-set, 3 temperature levels plus antifreeze feature and 7day function which allows operating times and temperatures to be set throughout the week. The system also has a temporary or permanent override with independent SET Temperature from the current weekly programme or holiday programme.



Figure 2.1

The controller is easy to program. 4 pre-set programs are already set in the controller's permanent memory (2 winter, 4 summer).

You can find information over the following pages about how to operate the Digital Programmable room controller.

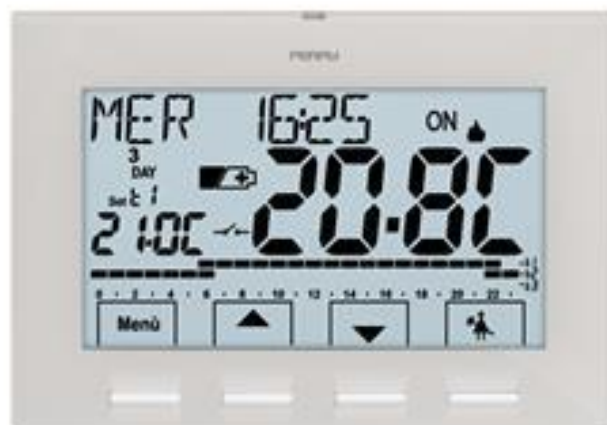


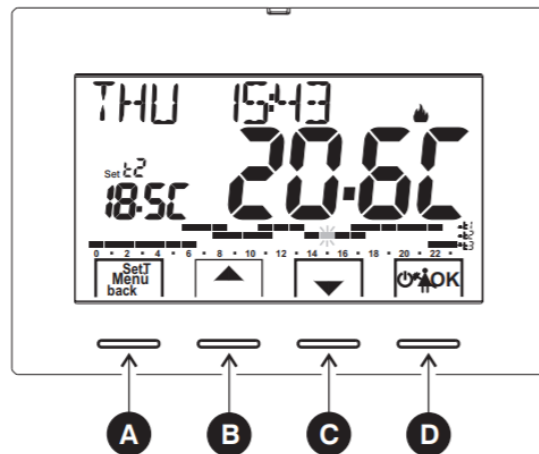
Figure 2.2

KEY FUNCTIONS

Backlit display

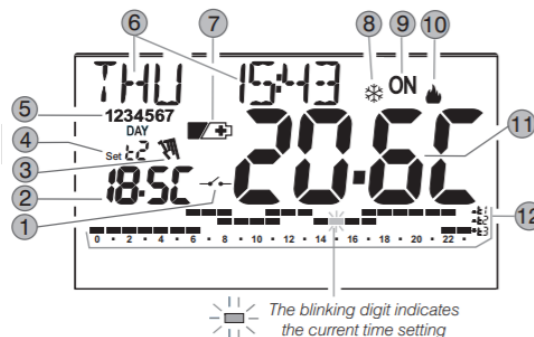
Touching any key activates back-lighting, displaying the words selection and navigation, press the desired key within 6 sec. to vary the settings (touching any key reactivates a 6 sec time-out).

Note: more particular button functions are described in the specific paragraphs.



- A Multifunction Key Set, T, Menu, back**, its use changes depending on function or active menu:
Menu = access to menus, **back** = go back to previous item, **Set, T** = change time profile (program)
- B ▲ Key** navigation through the menus: to increase a setting value (within some functions the key turns into ◀: it lets you set or scroll the information on the left) *Press the pulse arrow key to increase/decrease per unit and keep pressed to increase/decrease rapidly.*
- C ▼ Key** navigation through the menus: to decrease a setting value (within some functions the key turns into ▶: it lets you set or scroll the information on the right)
- D Multifunction Key** **OK**
 programmable thermostat in OFF (disabled temperature control)
 current program pause for household cleaning
OK short pressure: access to selected menu / confirm function or set value (within the menus)
 prolonged pressure (4 sec.): save modified time/thermal program (PROGRAM menu)

DISPLAY FEATURES



Time and thermal scale programmed over 24 hours:
 - t 1 Upper digit position = Comfort temperature t1
 - t 2 Intermediate digit position = Working temperature t2
 - t 3 Lower digit position = Economy temperature t3
 lack of Digits = temperature t* Antifreeze (in Winter) or disabled temperature control (in Summer)
 2 digit one above the other: HALF-HOUR (½ h) operation for each type of temperature denoted by the two digits.

- 1 Enabling timer thermostat from remote control
- 2 Display Set temperature
- 3 Temporary or permanent override
- 4 Currently active set temperature depending on ongoing program:
 t1 Comfort or t2 Activity (pre-comfort) or t3 Economy (saving) or t* antifreeze
- 5 Days of the week (visible in the PROGRAM menu)
- 6 Current day, time and minutes
- 7 Batteries low signal
- 8 Cooling mode (❄️ Summer) active
- 9 Signalling operating user = ON and 🔥 flashing (e.g. boiler on)
- 10 Heating mode (🔥 Winter) active
- 11 Detected room temperature

Note: further displays are described in the specific operation paragraphs

STRUCTURE OF THE MAIN MENUS

Available Menu structure:

① SET TEMP

(change Set temperature points)

for winter mode 🔥:

- t1 (comfort)
- t2 (pre-comfort)
- t3 (economy)
- t: antifreeze

for summer mode ❄️:

- t1 (comfort)
- t2 (pre-comfort)
- t3 (economy)

② PROFILE

- OVERRIDE (temporary or permanent override)
- CLEANING (pausing the current program for household cleaning)
- HOLIDAY (pausing the current program for a holiday period)
- OFF (programmable thermostat switch off/on)

③ PROGRAM

(display, change, copy programmed time profiles)

- P01 weekly winter program 🔥
- P02 weekly winter program 🔥
- P03 weekly summer program ❄️
- P04 weekly summer program ❄️

④ USER PASSWORD

- USER PASSWORD (set user password)

⑤ CONFIGUR

(installer or skilled user menu)


- LANGUAGE (menu language selection)
- SEASON (Winter or Summer mode)
- TIME (setting of current date, hour, minutes and daylight saving/standard time change)
- RULE (selection of temperature control mode)
- UNIT (selection of temperature unit of measure °C/°F)
- OFFSET (correction of detected room temperature)
- BLOCKS (it lets you limit the value of set temperature points)
- PROBE (setting a remote temperature probe)
- INPUT (setting an external contact for remotely enabling / disabling the programmable thermostat)
- PUMP ON (disabling / enabling the descaling function)
- CONTRAST (to change display contrast)
- BACKLIGHT (to enable/disable display backlighting)
- PASSWORD (to restrict the use of user and/or installer functions of the programmable thermostat)
- RESTORE (RESET operation)

 The Menus are arranged in sequential order

2.2. RESTARTING PROCEDURE

RESTART

It does not cancel the entered settings

Should the programmable thermostat feature malfunctioning, wrong displays or other incorrect conditions, perform a «User reset». Simultaneously press for 4 sec. the **Menu** and  keys.

The timer thermostat resumes normal operation.



2.3. INSERTING OR REPLACING THE BATTERIES

A battery symbol in the thermostat screen will blink when the batteries are running low (the system can continue working up to 15 days with low battery).

If the batteries run completely out, the system will switch. All thermoregulation will be suspended but the settings are saved within the unit.

To replace the batteries, unhook the thermostat from the wall, using a flat screwdriver in the specific slot at the bottom as shown in the picture.

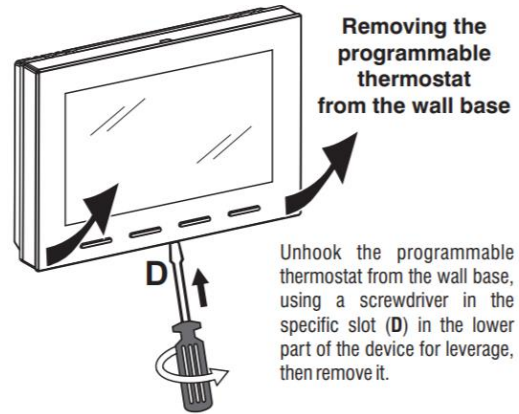
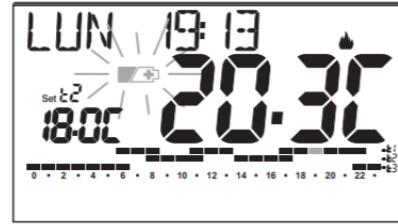


Figure 2.3

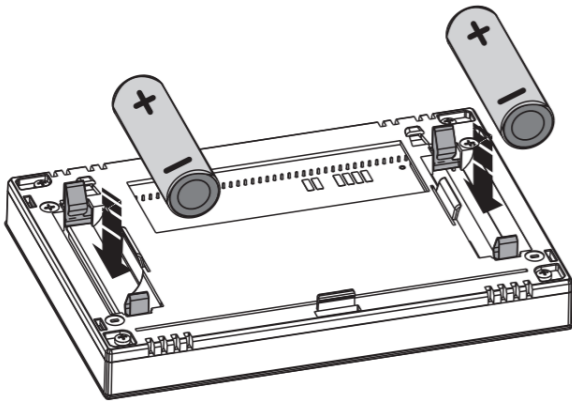



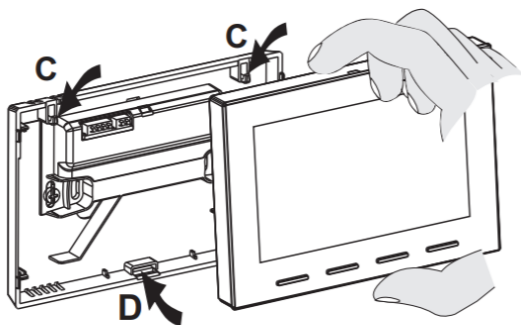
Figure 2.4

The unit uses 2x 1.5Vdc LR6 – AA batteries.

Replace the old batteries for new ones as shown in the image.

Note: The manufacturer recommends the use of good quality Alkaline batteries to provide best performance and battery life (Duracell or Energizer recommended).

 Dispose of flat batteries in appropriate containers and as required by the environmental protection regulations.



Hook the programmable thermostat to the wall base in teeth C. Then turn the body of the programmable thermostat downwards until it is secured in slot D.

Figure 2.5

Hook the thermostat back into the wall base by making sure the thermostat slots are secured into the base pins (C).

Then turn the body downwards until the pin on the thermostat is secured into the slot (D).

2.4. HOW TO SET THE LANGUAGE, TIME AND DATE

The unit has the language and the date/time pre-set, however, when replacing the batteries these will need to be set again.

1. Upon inserting the batteries, the system will perform a lamp test, then it will ask for the language. Use the ▲▼ keys to scroll through the languages and press **OK** to confirm. (See Figure 2.6)

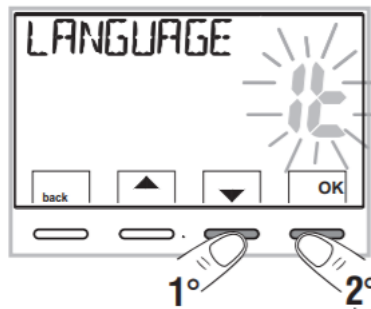


Figure 2.6

The selectable languages are:

ITALIAN= **It**, ENGLISH = **En**, FRENCH = **Fr**, GERMAN = **dE**, SPANISH = **ES**

2. Once you have selected the language, the unit requires the date & time. Select **OK** to confirm and the ▲▼ keys to scroll through the options/settings. (See Figure 2.7)

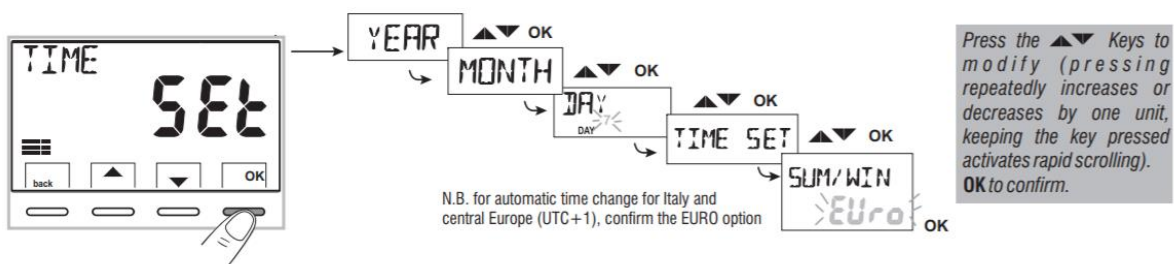


Figure 2.7

The programmable thermostat will be immediately operative, displaying current day, hour

2.5. HOW TO SET YOUR PROGRAM

The unit comes pre-set with the below programmes, P01 & P02 for Winter, and P03 & P04 for Summer. These can also be modified to meet user's needs.

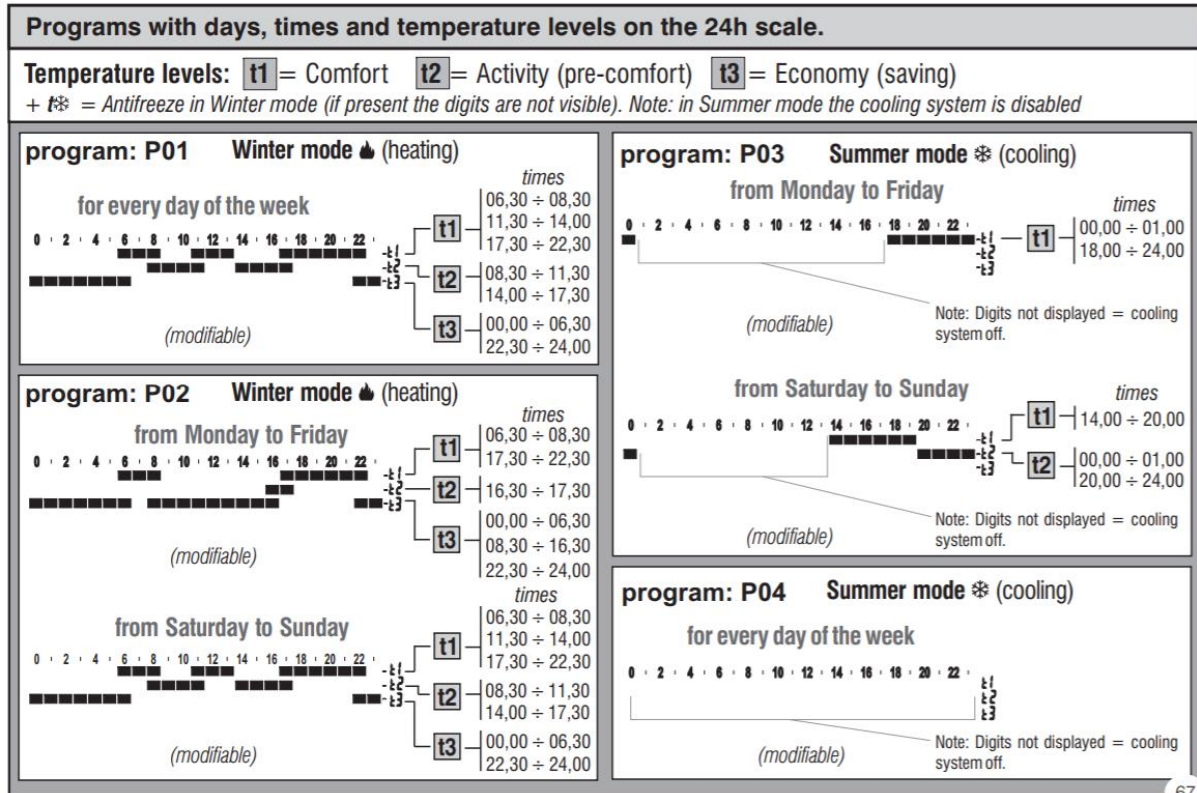


Figure 2.8

Note: There is no cooling in your apartment, when the pictures refer to cooling mode, it is a really light heating load (only activated a few hours during nights), or no heating at all, P03 & P04 respectively.

PROGRAM SELECTION

- From the main screen, select Menu button (A) and scroll down with the ▲▼ keys (B & C) to select **Program Set**, we confirm with **OK** button (D).

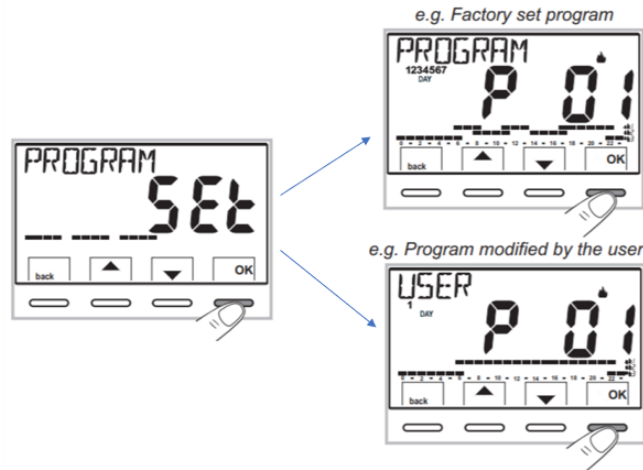


Figure 2.9

- The programs in the memory (P01, P02, P03 & P04) can be scrolled through with the ▲▼ keys.
- Press **back** (Menu button) twice to go back to main thermostat screen.
- Or press **OK** button to display the settings of the desired program.



If a program has been previously modified by the User, only the first day of the week will be displayed (DAY 1 = Monday) with the word **USER**, indicating a modification has been made on the factory pre-set program.

DISPLAY SETTINGS OF SELECTED PROGRAMME

1. From the previous screen, confirming with **OK**, the display shows **INFO**, the day profile **1** (Monday), the flashing digits at 0:00 and the relevant temperature level.
2. The program may be scrolled through with ◀▶ keys (B & C) by half hours, viewing times and temperatures.

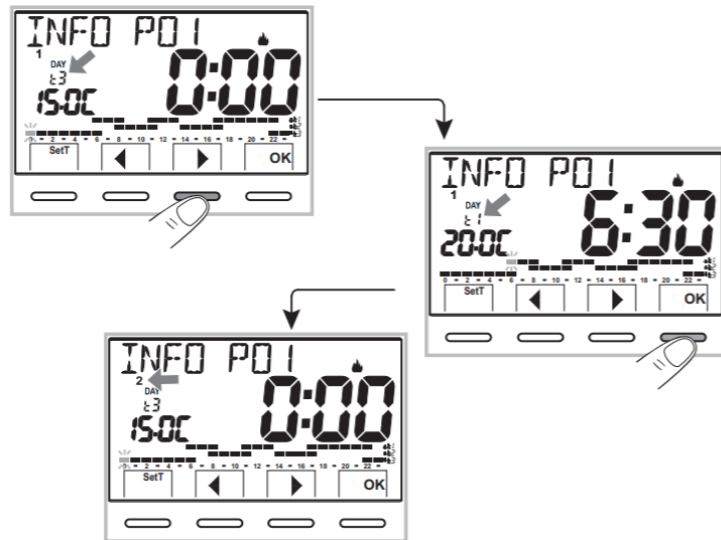


Figure 2.10

3. Press **OK** once or more to view the time profile of the following day/s.
Or modify the selected program as per the following section.

Important! in this and subsequent conditions it is possible to go back to program selection by pressing the **SetT** button for 4 sec. (par. 10.4.2) without saving any setting.

3- Keep OK pressed for 4 sec. the programmable thermostat resumes normal operation following the profile of the chosen program.

MODIFY PROGRAM

There are 4 programs, all freely programmable for every hour of the day (with half hour steps) and differently for every week, on 3 different temperature levels: **t1** comfort (upper digits), **t2** activity (intermediate digits), **t3** economy (lower digits), plus one level of antifreeze temperature **t** ❄️ for the winter mode (digits not visible).

1. To modify a program, from the **INFO** screen seen in the section above, go to the desired day and scroll through the profile with the ◀▶ keys until displaying the time you wish to modify (in 30 minutes steps).
2. Press once or more the **SetT** key (Menu Button) to select which new temperature level you wish to assign to the desired time: the modification is effective.

*Set point rotation starts from the set **t**x, according to the diagram **t1**, **t2**, **t3**, **t** ❄️. The Set point in question and the digit of reference flash, the words **INFO POX** (PO1 in this case) will change to **SET POX** (modification mode). Note: if you go back to the original Set point (level) no modification will take place.*

3. By pressing the ◀▶ keys, the **new selected Set point** may be dragged to the next (or previous) half hour and/or hours; modify the temperature level or not as indicated in step 2.

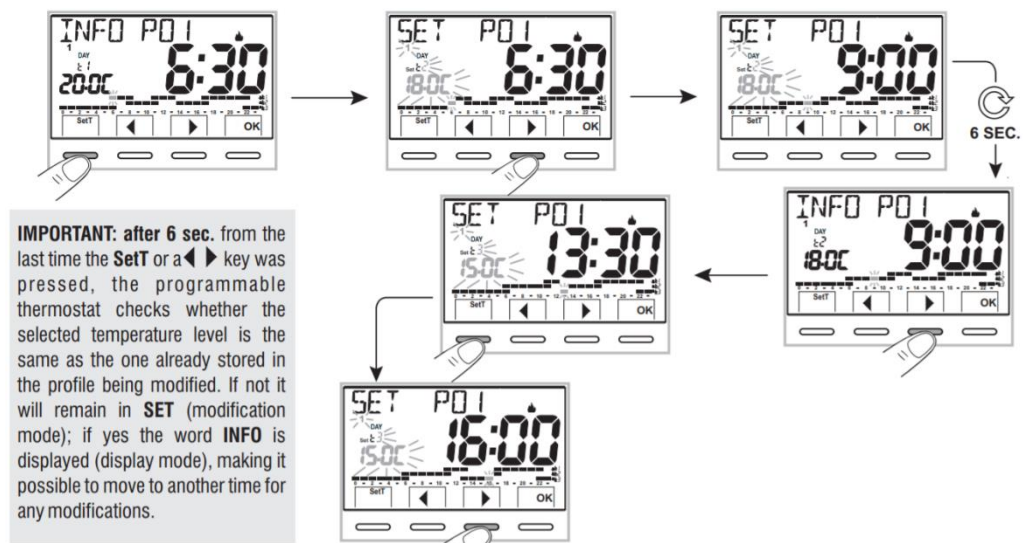


Figure 2.11

4. After the time/temperature profile of one day has been completed (either in the **SET** or **INFO** condition), it will be possible to:
 - **Save the weekly program by modifying the selected day only;** in this case keep the **OK key pressed for 4 seconds:** the wording **SAVE P01 YES** appears (e.g. modify **P01**), confirm with **OK**.
 - **Copy or not the programmed profile over more days,** see the next section.

COPY OF THE MODIFIED DAY

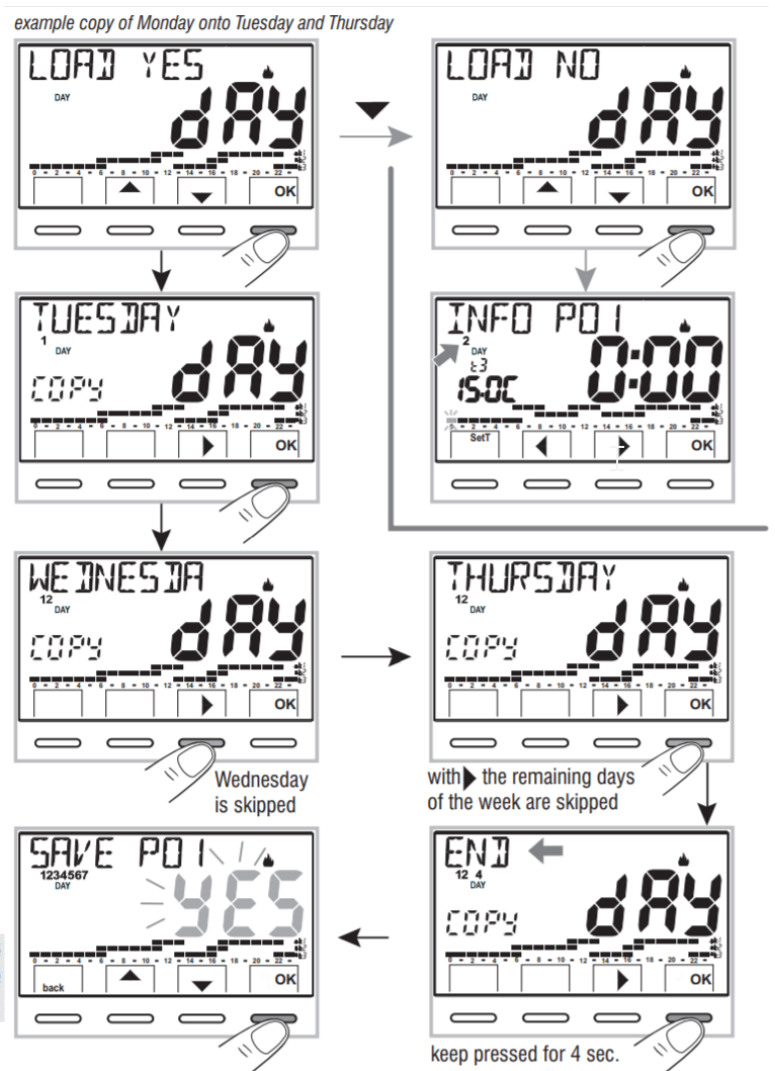
After completing the modification of the temperature/time profile of one day (see previous section) it is possible to copy it over one or more days. Press **OK**, confirmation will be asked whether to copy the modification over other days (**LOAD YES/LOAD NO**): choose the desired option with the **▲▼** keys and confirm with **OK**.

If **LOAD NO** is confirmed, no copy operation will be performed, the display will go back to the **INFO** screen showing the day after the modified one.

If **LOAD YES** is confirmed, you will be asked on what other days to copy the modification: press **OK** to confirm copying over the indicated day (e.g. TUESDAY) moving to the next day, whereas if you press **▶**, you will skip the next day and exclude it from copying. The sequence will be requested until completing the week, signalled by the wording **END**. **In this condition you may:**

- Press **▶** to scroll through the week again (press **OK** to do disable a day you have previously selected by mistake).
- Press **OK** to confirm copy of the selected days and go back to the **INFO** screen displaying the first non-modified day.
- Keep **OK** pressed for 4 seconds: the words **SAVE P01 YES** are displayed (e.g. modify P01); confirm with **OK**, the modified weekly program will be saved. The programmable thermostat goes in normal operation (stand-by) following the new temperature/time profile.



If you do not wish to save, select with the **▲▼** keys **SAVE P01 NO** and confirm with **OK**, to go back to the **INFO** screen of the first subsequent non modified day.



Note: Please scan the QR code from HIU in the Utility Cupboard and get this manual ONLINE.

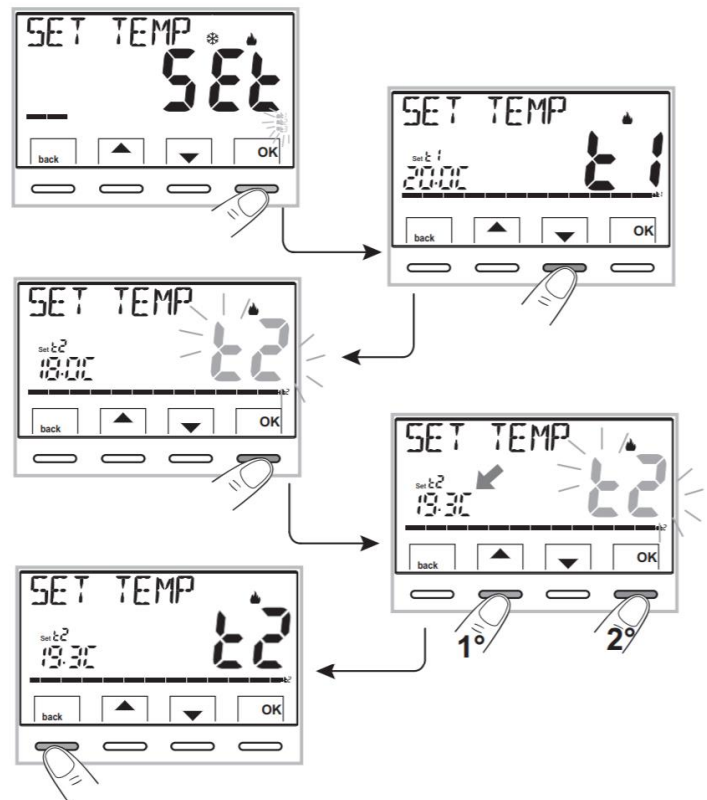
2.6. HOW TO MODIFY TEMPERATURE SET POINTS

The unit comes with pre-set temperature set Points for the 3 different settings:

 for winter	 for summer
Operating boiler with room temperature lower than:	Air conditioner operating with room temperature higher than:
t1 = 20,0 °C (68.0 °F)	t1 = 24,0 °C (75.2 °F)
t2 = 18,0 °C (64.4 °F)	t2 = 27,0 °C (80.6 °F)
t3 = 15,0 °C (59,0 °F)	t3 = 33,0 °C (91.4 °F)
t* = 6,0 °C antifreeze	

should not satisfy your requirements, they may be modified at will, from +5 °C to +37.7°C (+41.0°F ÷ 99.9°F).

1. Through the key path **Menu**, Display menu **SET TEMP SET** and confirm with **OK**.
2. Scroll with **▲▼** keys (sequentially) until displaying the SET temperature level (winter or summer) to be modified and confirm with **OK**.
3. Set with **▲▼** keys the new temperature set point and confirm with **OK**.
4. Choose with **▲▼** keys another temperature level to be modified or press the **back** key **twice** to go back to normal timer thermostat operation.



To disable antifreeze temperature t*, go below +5.0 °C (41.0 °F).

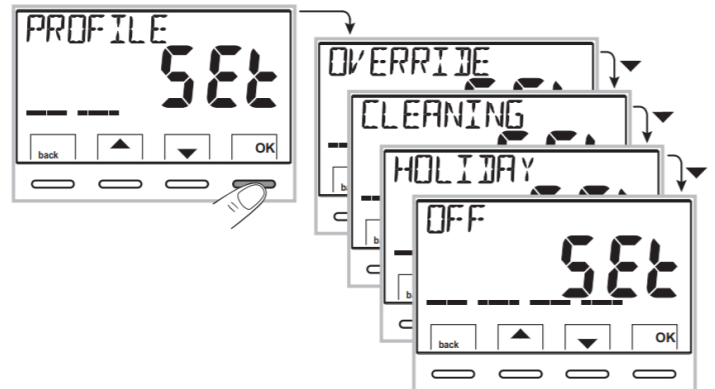
Attention! The programmable thermostat allows temperature values that satisfy the following conditions:
Winter: t1 greater than or equal to t2 greater than or equal to t3 greater than or equal to t*
Summer: t3 greater than or equal to t2 greater than or equal to t1

In the presence of max and min. temperature locks it is not possible to set a higher or **Set t** lower than the entered locks. The display will signal impossibility to perform the operation by displaying **LOCK**.

2.7. HOW TO SELECT PROFILES (OVERRIDE, CLEANING, HOLIDAY, OFF)

To select one of the different profiles available:

1. Display the main menu **SET PROFILE** and confirm with **OK**.
2. Select with **▲▼** keys the desired profile among available options:
 - **SET OVERRIDE** (temporary or permanent override)
 - **SET CLEANING** (pausing program in use for cleaning)
 - **SET HOLIDAY** (pausing program in use for a holiday period)
 - **OFF SET** (programmable thermostat, switch off/on)
3. Confirm the selected item by pressing **OK**.




OVERRIDE OPERATION

Two override operating modes are possible **temporary** or **permanent** with a pause in the current program.

NOTE: Both overrides have their own modifiable set temperature and **completely independent from** the current program.

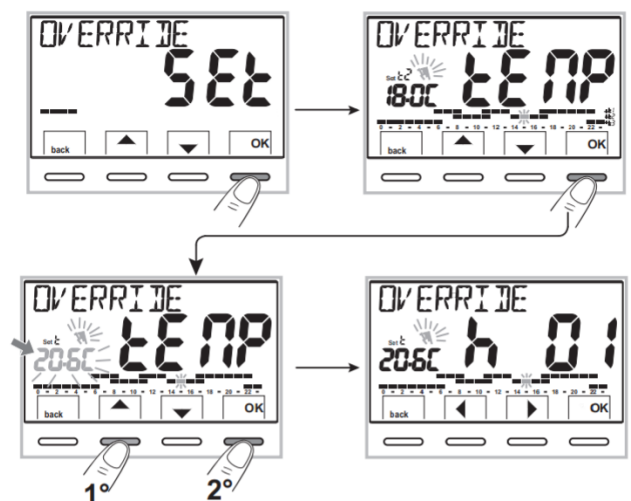
A) Temporary Override

Thought the key path **Menu – SET PROFILE – SET OVERRIDE**, select item **TEMP OVERRIDE** and confirm with **OK**: the symbol  and the independent temperature **Set Point** flash.

The desired temperature Set Point may be set with the **▲▼** keys; wait 4 sec. or confirm by pressing **OK**.

h 01 (default) and keys **◀▶** will be displayed.

With the keys **◀▶** it is possible to enter the number of hours of temporary override operation: 1h or from override activation time to midnight of the current day at the latest (the digits corresponding to the set hours start flashing).

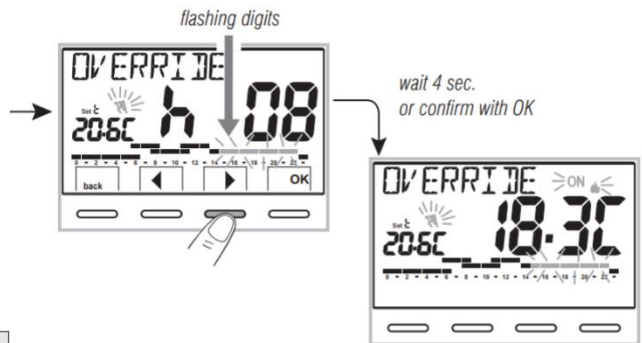


Wait 4 sec. or confirm by pressing **OK**.

At the end of the set number of hours, the programmable thermostat will resume normal operation from the program **running before the temporary override** with the relevant temperature set points.


Press **back** to quit temporary operation **early**.

Note: the duration of temporary pause of the current program, limited to one hour only (h 01), will start at current hour and minutes from activation, to the start of the next whole hour.



i With enabled temporary override function it is possible to modify the independent temperature set point at a later stage by pressing the keys ▲▼ or its duration by pressing **OK** followed by ◀▶.

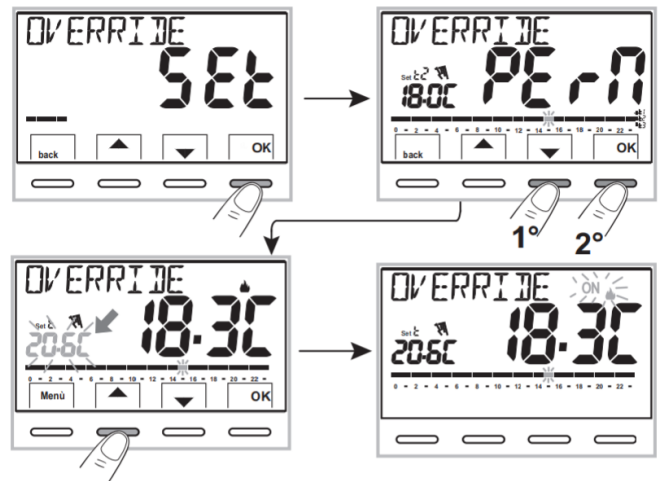
B) Permanent Override

Thought the key path **Menu – SET PROFILE – SET OVERRIDE**, select item **PERM OVERRIDE**, then confirm with **OK**: the fixed symbol  is displayed, and the temperature level is applied to all hours of the day.

The desired temperature Set Point may be modified at any time, by pressing ▲▼ keys.

! Permanent override operation remains active indefinitely.

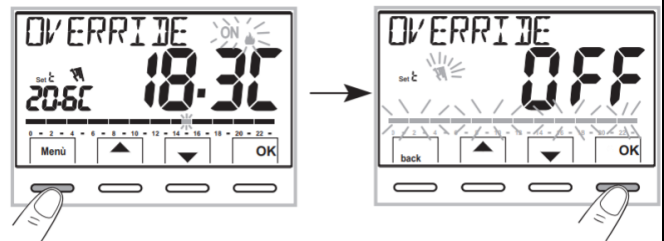
To disable permanent override operation, press the **OK** key, or if operating in the menus, follow the procedure in the next section.



C) Disabling Permanent Override

To go back to automatic operation from program, through the path **Menu – SET PROFILE – display item OVERRIDE OFF**, confirm by pressing **OK**.

The temperature scale will be displayed and the relevant Set Points of the current day, according to the program in use before permanent override operation was enabled.



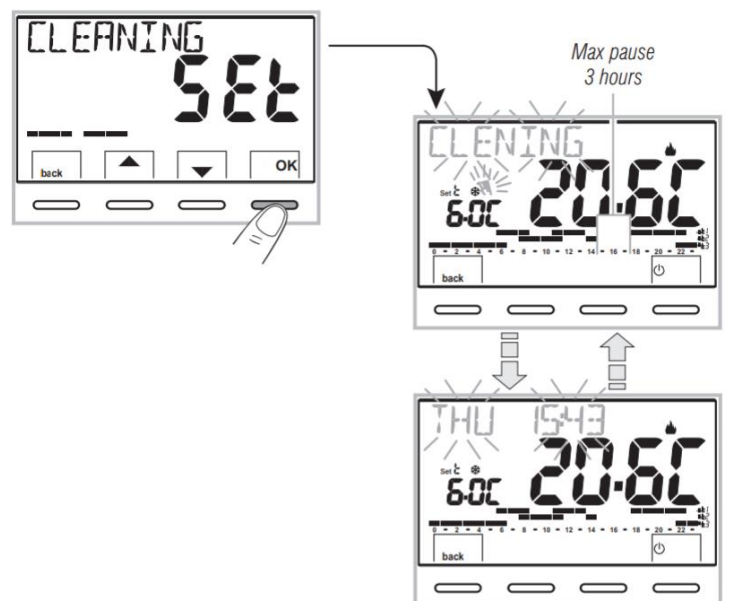
CLEANING OPERATION

To pause the current program for Household cleaning.

1. From normal programmable thermostat operation, through the path **Menu – SET PROFILE** – display the item **SET CLEANING** and confirm with **OK**.
2. The connected user will switch off for a max 3-hour period from the current time, during which the programmable thermostat will enter antifreeze mode († ❄️).

Enabling this function is shown by the word «**CLEANING**» alternating with current day and time on the display. After 3 hours the programmable thermostat returns to the interrupted program.

To reactivate the interrupted program before the 3 hours have elapsed, press **back** or **⏻** : the word «**CLEANING**» disappears.



i With enabled **CLEANING** function it will be possible to disable the timer thermostat «OFF» (see paragraph 10.3) by keeping **⏻** pressed for 4 seconds.

NOTE: in the event antifreeze temperature has been permanently disabled or in “Summer” operation, the connected user (e.g boiler or air conditioner) will remain disabled for 3 hours maximum.

HOLIDAY PROGRAM

This program is useful in the event one should need to leave the house for several days (temperature control pause); your habitual program in use (winter or summer) will be re-enabled at the end of the period set with the **HOLIDAY** program, so you may find the desired temperature on your return.

All the settings required by the **HOLIDAY** program must be confirmed by pressing **OK**, otherwise the thermostat goes back programmable to normal operation after 3 minutes have elapsed and the modifications will not be stored.

Thought the button path **Menu – SET PROFILE** – select the item **SET HOLIDAY** and confirm with **OK**.

The HOLIDAY program will adopt the «Winter» or «Summer» season of the program in use.

Holiday Start setting «OUT» (leaving the home)

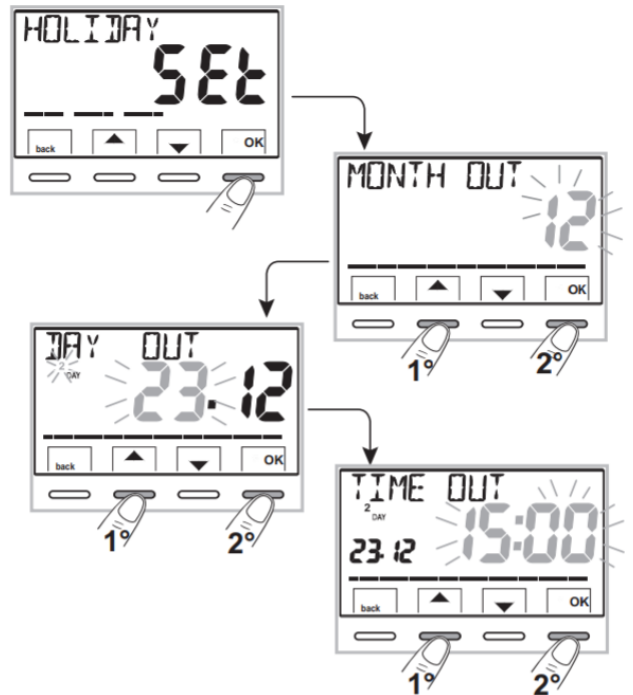
1. The current month flashes on the display.
2. With the ▲▼ keys, set the month «OUT» when you wish to enable the HOLIDAY program (leave the home); confirm with **OK**.

! *It is not possible to select a month prior to the current one. Up to 12 months after the current one may be set.*

3. The current day flashes on the display.
4. With the ▲▼ keys, set the day «OUT» when you wish to enable the HOLIDAY program (leave the home); confirm with **OK**.

! *It is not possible to select a day prior to the current day.*

5. The current time flashes on the display **rounded by zeroing the minutes** (if the current date has been set) or the time **0:00** (if another program activation date has been set).
6. With the ▲▼ keys, set the time «OUT» when you wish to enable the HOLIDAY program (leave the home); confirm by pressing **OK**.



Setting end of holidays «IN» (coming back home)

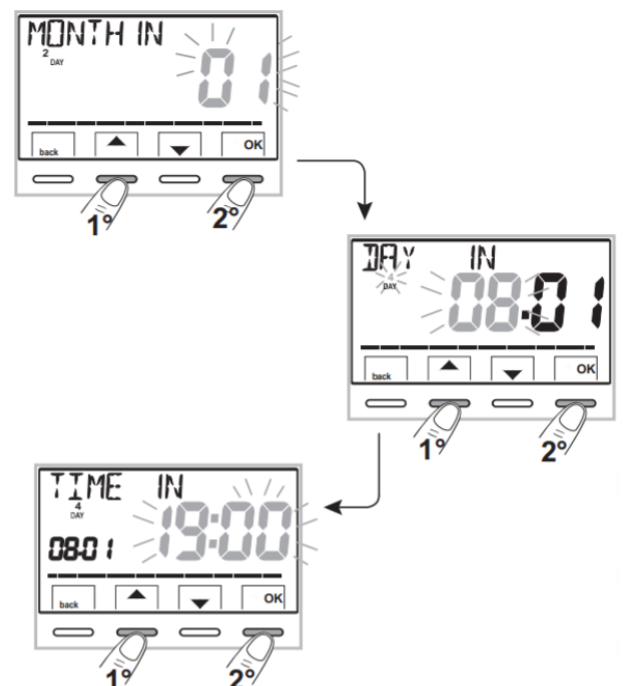
The display shows the **IN** page where to enter when the program countdown must end and normal temperature control of the programmable thermostat should resume (according to the original program).

7. The month previously set in the OUT function flashes on the display, use the ▲▼ keys to set the month when you wish to end the countdown (coming back home); confirm by pressing **OK**.

! *It is not possible to select a month prior to the one set in the OUT function. It is possible to move forward by 12 months at the most with respect to the month set in the OUT function.*

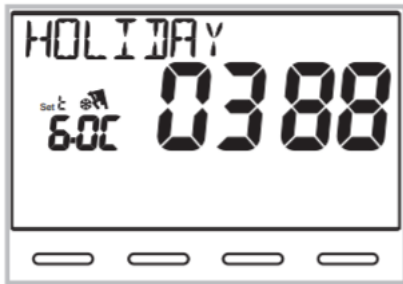
8. The day previously set in the OUT function flashes on the display: use ▲▼ keys to set the day when you wish to end the countdown (coming back home). The day of the week will be updated automatically based on the set month and day; confirm with **OK**.
9. The display shows the **time set in OUT + 1h** flashing **rounded with minutes zeroing** (if the current date is set in OUT) or time **0:00** (if another date has been set in OUT or IN). With the ▲▼ keys, set the time when you wish to disable the HOLIDAY program (come back home) and confirm by pressing **OK**.

The display goes back to stand-by mode.



Upon completing data entry, two different views may be displayed (depending on the data entered):

A) OUT Date the same as the current one



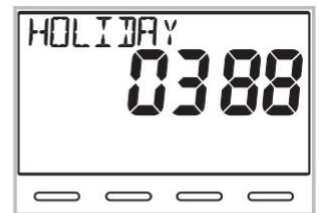
The programmable thermostat starts the countdown (e.g. in the figure: 388 hours) until exhausting the programmed hours; in WINTER mode the connected user will only be activated if the room temperature should go below the Set antifreeze temperature point (default 6.0 °C). At the end of the countdown the HOLIDAY program will reactivate your usual program.

B) OUT Date after the current one

The programmable thermostat goes back to the program running before entering the data in the HOLIDAY program, pending its activation. The screen of the HOLIDAY program will appear on the display for 2 seconds every minute as a reminder that it is in **stand-by**.



Normal operation screen



display for 2 seconds every minute



To cancel the HOLIDAY program with postponed activation, through the path **Menu -> SET PROFILE ->** select item **SET HOLIDAY** confirm with **OK**; press **back** twice to quit.

When the **stand-by time** has elapsed, the programmable thermostat starts the countdown (example in figure: 388 hours) until exhausting the programmed hours; in WINTER mode the connected user will only be activated if the room temperature should go below the Set antifreeze temperature point (default 6.0 °C). At the end of the countdown the HOLIDAY program will re-activate your usual program.



In the event the antifreeze temperature has been permanently disabled (paragraph 10.1) or in "SUMMER" operation, the HOLIDAY program will keep the connected user disabled (e.g. boiler or conditioner) throughout the whole programmed time.

When the **HOLIDAY** program is running:

- Press **▲▼** keys to change the independent antifreeze temperature Set point (unless previously disabled);
- Press **OK to cancel** the HOLIDAY program before the end of the programmed hours. The programmable thermostat resumes normal operation re-enabling your usual program.

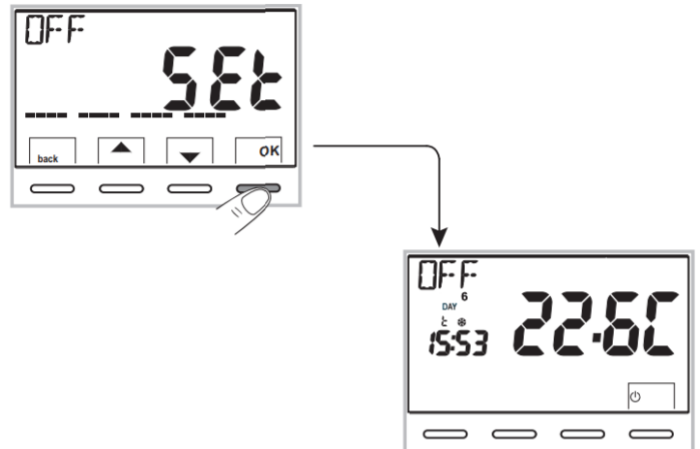


Example


2.8. OFF MENU (DISABLING THE PROGRAMMABLE THERMOSTAT)

This setting has the purpose of locking programmable thermostat functions when heating or cooling must remain off:

1. Through the button path **Menu – SET PROFILE** – select item **OFF SET** and confirm with **OK** to disable the programmable thermostat.
2. The display shows **OFF**, to indicate that the programmable thermostat is disabled, and all functions are inactive; the display only shows day, current time, room temperature reading and (in WINTER mode) the antifreeze protection symbol **t ❄**.



i in WINTER mode with antifreeze temperature disabled or in Summer mode, the **t ❄** symbol will not be visible.

i in the event of low batteries, the symbol  will flash on the display.

3. Press key  to reactivate the programmable thermostat and go back to the previously set program.

2.9. USER PASSWORD

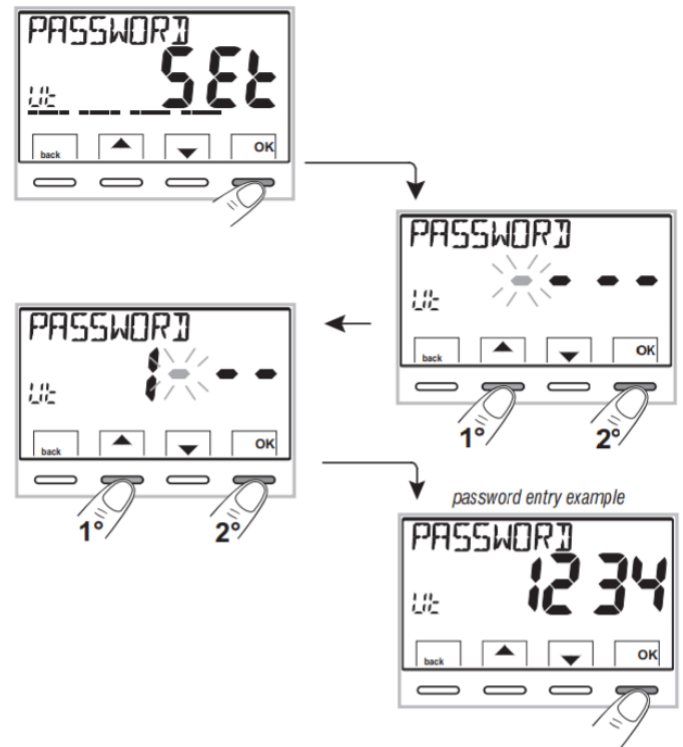
Entering a User Password

1. Through the path **Menu** – select item **USER PASSWORD SET** – and confirm with **OK**.
2. Use the ▲▼ keys, enter 4 digits (dashes are not included) between 0000 and 9999, individually confirm them with «OK».

The programmable thermostat enters normal operation

From now on, the password will be required when the menu key is pressed.

Certain quickly activated functions may be used in any case from the normal operation condition (stand by) or the programmable thermostat.



Password modification or cancellation

Press MENU, and enter the previously set password; follow the procedure described above to access the **USER PASSWORD SET** menu:

- **Set 4 hyphens (----), the password will be cancelled, otherwise:**
- **Set another number and it will be modified.**





3. Apartments Lamps and Lights

3.1. PRODUCT DESCRIPTION

The lighting installed in your apartment is based on Orilight illumination light fittings. The fittings consists of a Die-Cast Aluminium fixture including replaceable GU10 LED Engine, featuring the latest in Osram generation – 7W chipset ~ 3000K.

3.2. LIGHT FIXTURE COMPONENTS

Type: Orilight Products

Item	Location	Product Image	
Orilight ORL1005 Downlight & Lumenstar 7W GU10 LED (White)	Apartment		
Orilight SHOWERSPOT IP65 Downlight & Lumenstar 7W GU10 LED (White)	Bathrooms		

3.3. HOW TO CHANGE YOUR LAMP BULB

NOTE: SAFETY FIRST!

- Please, use the correct PPE (Personal protective equipment):
 - ✓ **Safety glasses**
 - ✓ **Appropriate hot work gloves**
- Please, use a safe raised working platform and do not stand, kneel or ever use the HIU cupboards shelf as a working platform

Step 1: Turn the power off

Before you start to process any changes, please, make sure the power to the lights within your apartment is switched off. The safest way to ensure about it is to isolate the power by turning it off at the source. Turn off the isolator switch prior to commencing work, by flicking the MCB, on the breaker/fuse box, within the HIU cupboard to its off position (Figure 14 and 15).

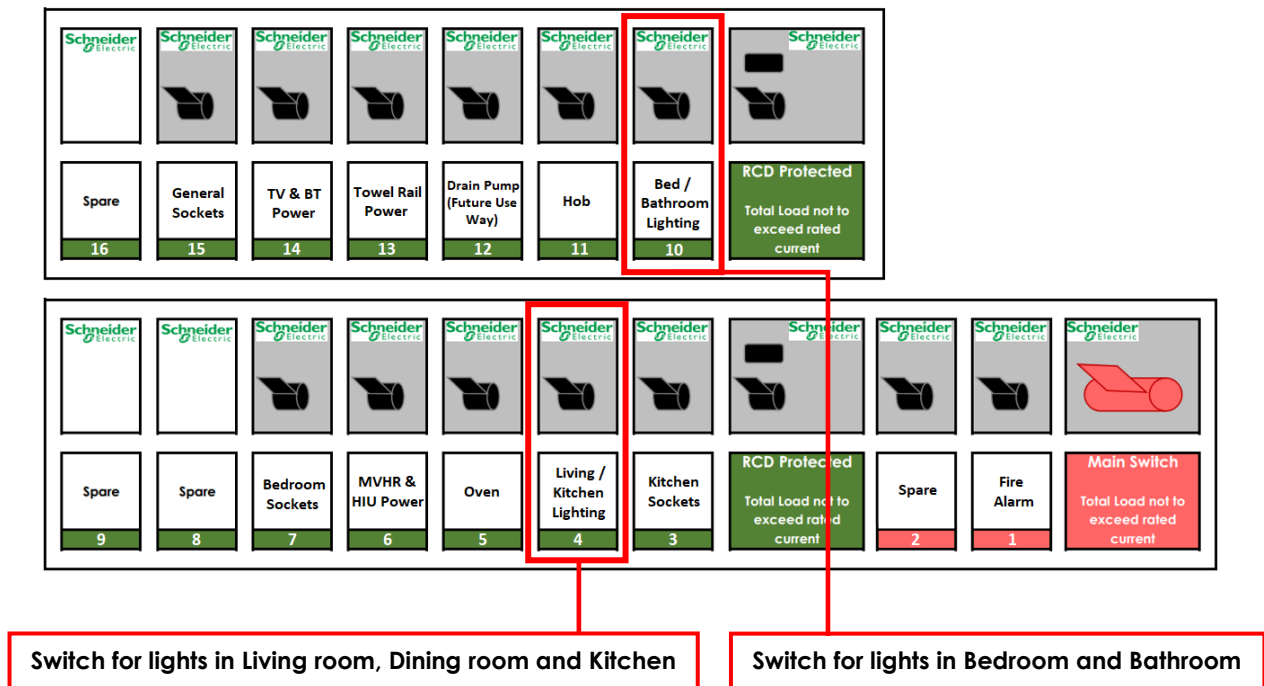


Figure 3.1

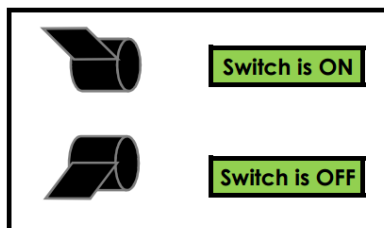


Figure 3.2

Step 2: Allow the lamp to cool down

Allow enough time for the lamp to cool down if necessary, before attempting to touch and separate the housing or to change the bulb.

Step 3: Separate the Light Housings

This step will differ for the different fittings.

Type: Orilight ORL1005

ORL1005 is a twist and lock fitting:

- Grab the inner ring with your fingers (helping yourself with the small pins in the fitting). (Refer to figure 3.3)
- Is connected to the outer ring by a threaded connection. Turn anticlockwise to unlock the housing. (Refer to figure 3.4)
- The housing will be release from the outer ring and you will be able to change the bulb. (Refer to figures 3.5 & 3.6)



Figure 3.3



Figure 3.4



Figure 3.5



Figure 3.6

Type: Orlight SHOWERSPOT

- Use a large flat blade tool to lever one side of the fitting away from the ceiling (Refer to figure 3.7)
- Insert a small batten or pencil into the gap created to hold the bezel away from the ceiling. (Refer to figure 3.8)
- Use the flat bladed tool to lever the other side of the fitting down, taking care to avoid damaging the ceiling. (Refer to Figure 3.9)
- Evenly pull the whole fitting away from the ceiling. (Refer to figure 3.10) This may require some force to bend the springs back fully. Be careful to avoid the spring folding back and pinching your fingers.

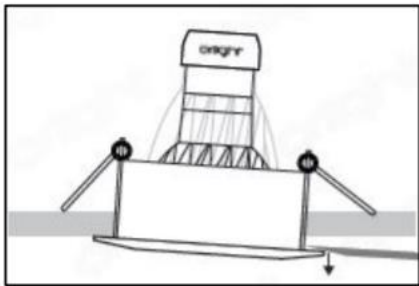


Figure 3.7

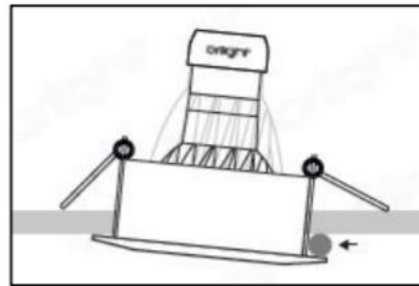


Figure 3.8

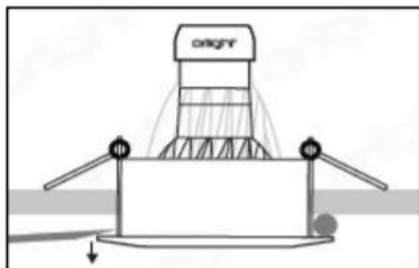


Figure 3.9

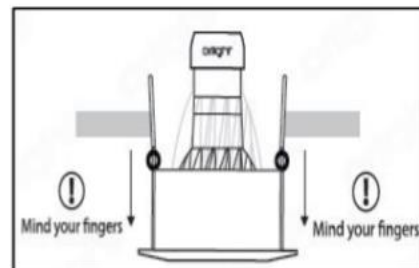


Figure 3.10

Step 4: Remove the Lamp

- Holding the lamp housing in one hand, separate the lamp and lamp holder from downlight (lamp housing). (Refer to figure 3.11)
- Hold lamp holder with a firm grip and simultaneously clasp the lamp in a light but firm grip, turn the bulb in an anticlockwise quarter turn, to release the lamp from the lamp holder fitting. (Refer to figure 3.12)



Figure 3.11

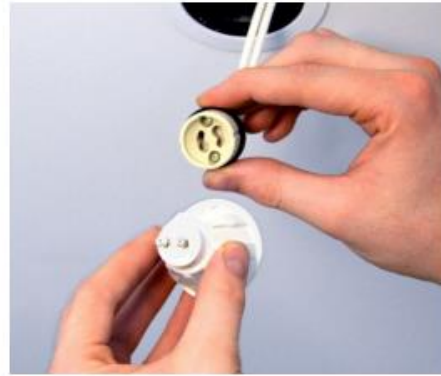


Figure 3.12

Step 5: Replace the Lamp

- With a new lamp in your hand prepared in advance, insert the replacement lamp into the lamp holder. Twist the bulb in a clockwise quarter turn.
- Replace the lamp and lamp holder into the downlight (lamp housing).
- Now you can begin to move the inner fitting (lamp housing) into the downlight fitting (ceiling light housing). As you move these two fixtures together, guide the electrical wire into the ceiling crevice. Once the fixtures touch each other, twist clockwise to lock the inner housing into the outer housing.

Step 6: Turn the power on

- Now that the new lamp has been fitted and you feel as though you have safely carried out the replacement procedure, switch the MCB up to Turn the Power on to the Lights within your apartment.



Figure 3.13

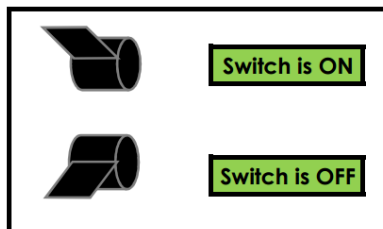


Figure 3.14

Step 7: Disposal

- It is necessary to dispose of the old lamp. This needs to be done in a safe manner, as the old bulbs glass may be fragile and very sharp. One approach to this is to wrap the old lamp in the packaging of the newly fitted lamp and use special collection containers intended for glass.

3.4. LAMP SAFETY

Safety critical when working with faults related to electrical or wiring issues. Remember to always check the following:

1. The wattage on the old used bulb and replace it with a new lamp of the same wattage.
2. Keep your fingers away from live electrical wires and do not put your fingers in the exposed light socket.
3. In the interest of health and safety, dispose of the light lamp well out of the reach of the children.

4. Shower Unit

Type: Hangsrohe Croma Showerpipe 220

4.1. OPERATION

Opening and closing

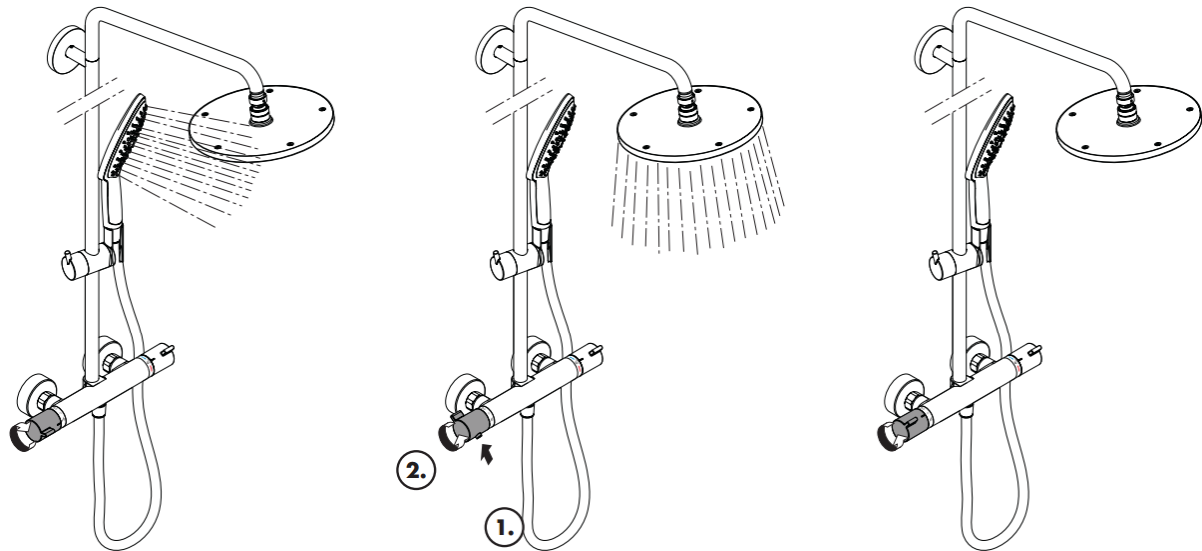


Figure 4.1

Temperature settings

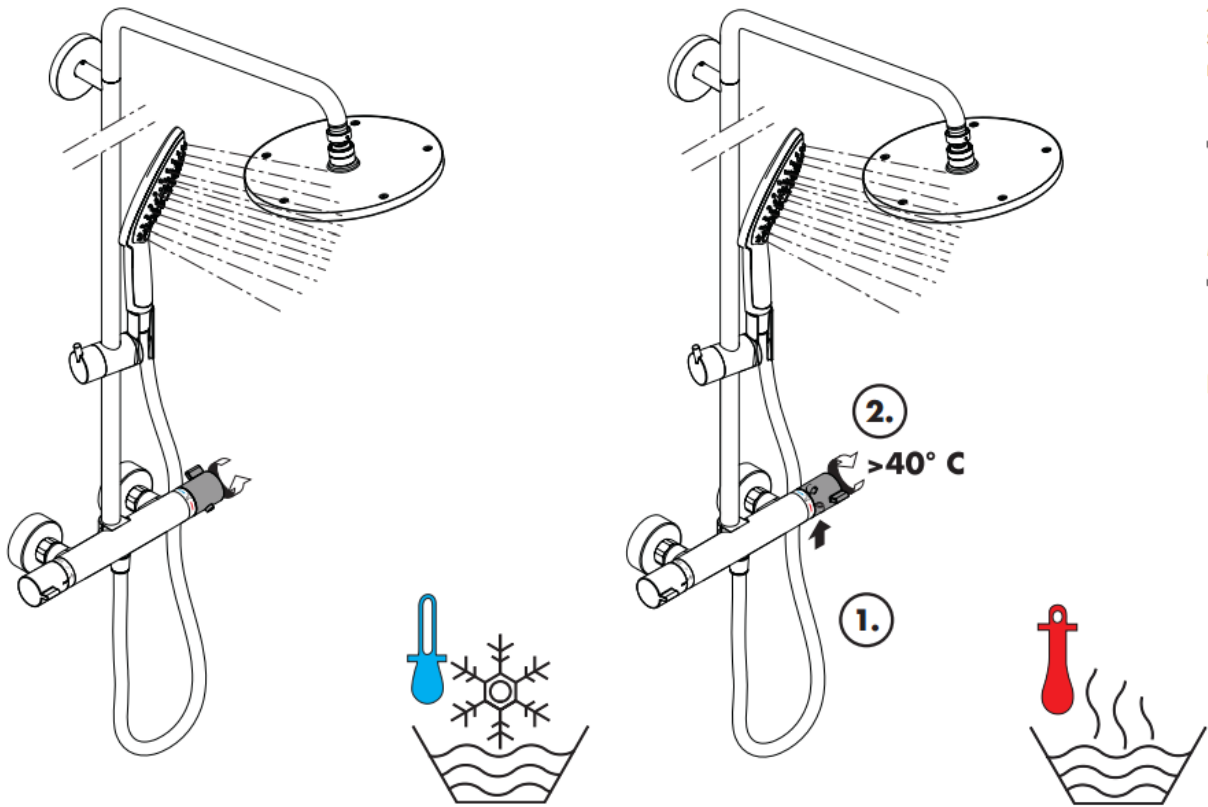


Figure 4.2

Alternatives

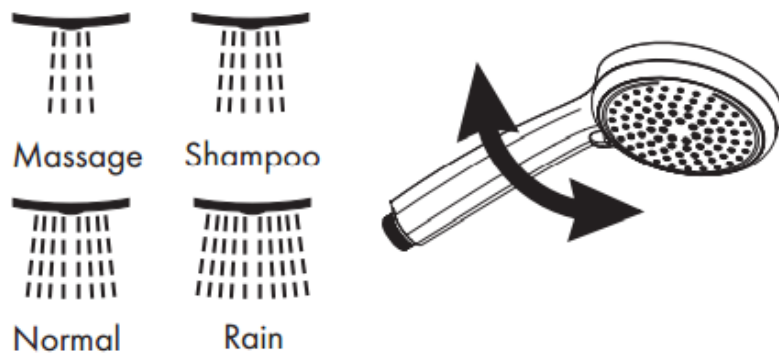


Figure 4.3

Angle settings

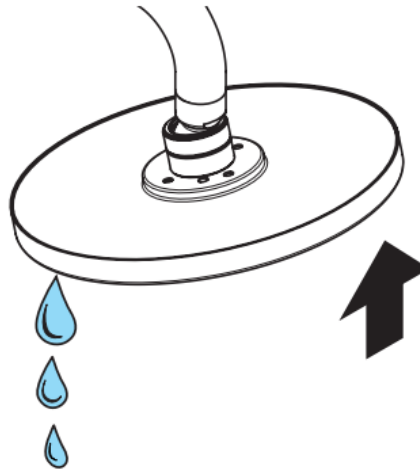


Figure 4.4

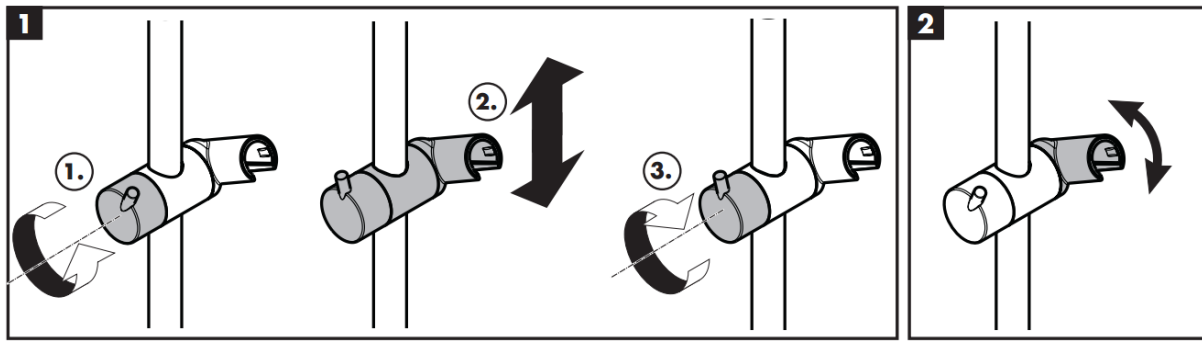


Figure 4.5

4.2. CLEANING SHOWER HEAD

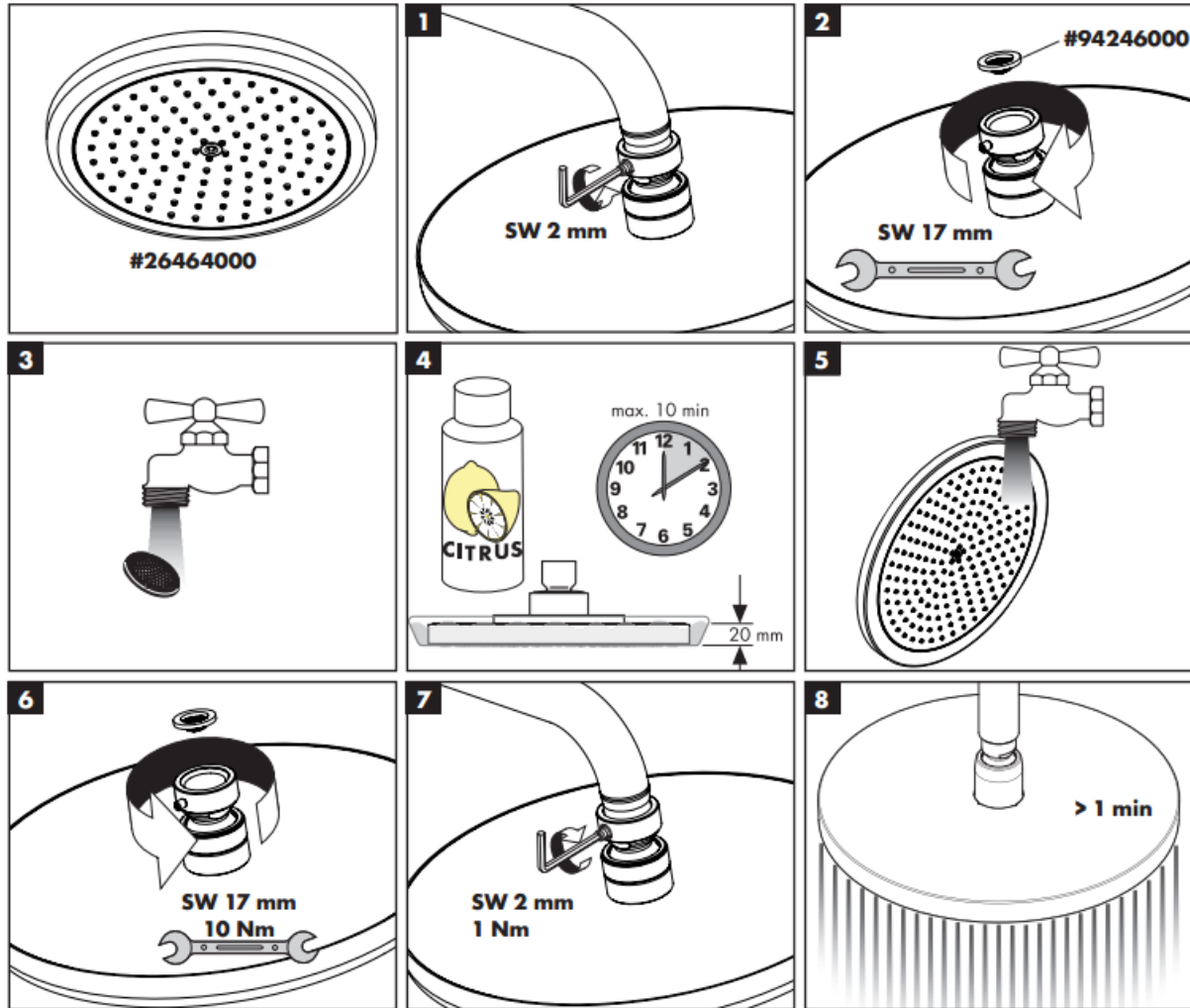


Figure 4.6

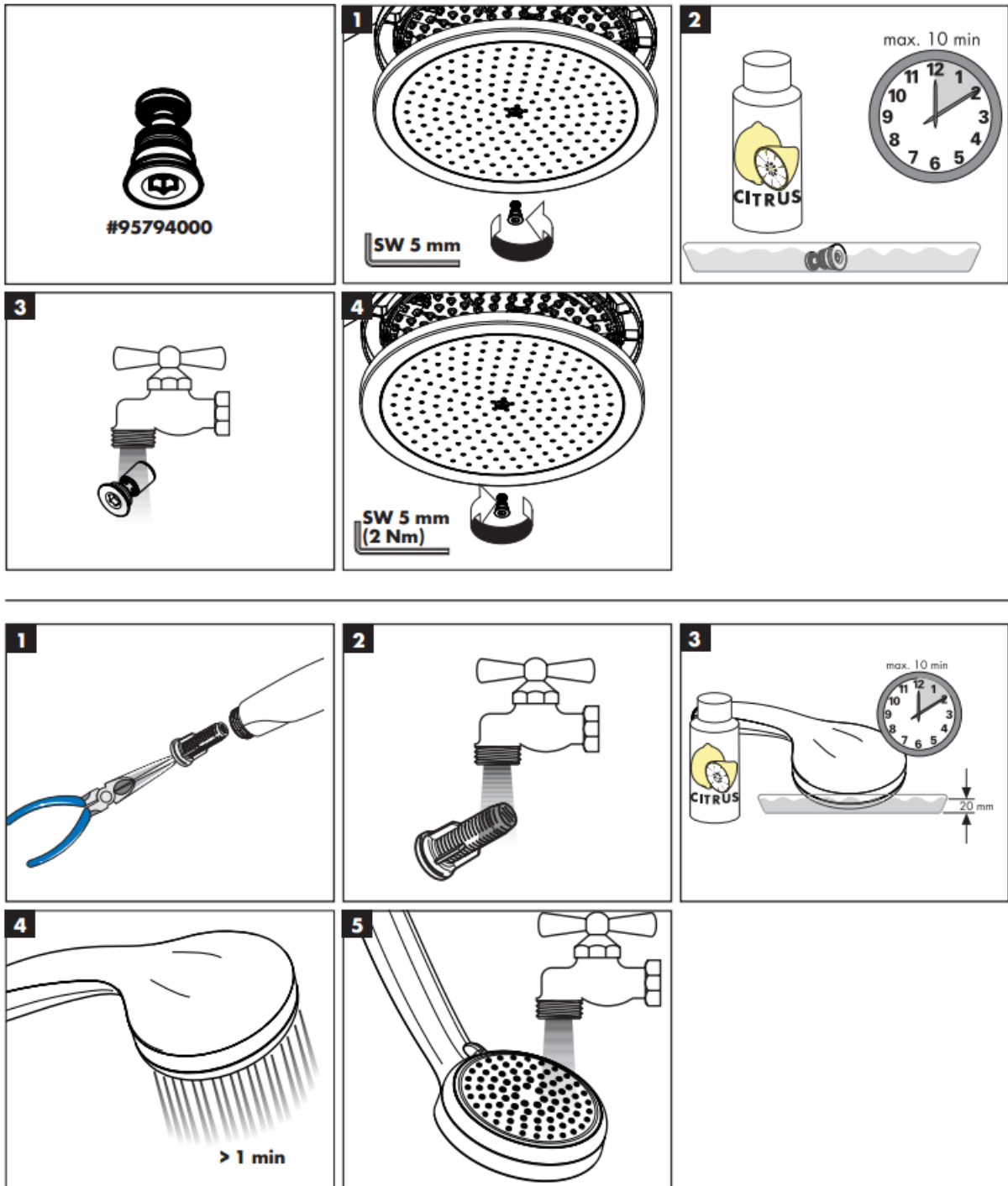


Figure 4.7

5.Home Circulation Fan

5.1. DESCRIPTION OF MVHR FAN

Note: It is strongly recommended to read the FAQ for this chapter.

In your apartment is installed a Nuaire MVHR Fan (Mechanical Ventilation with Heat Recovery). You don't need to setup anything. MVHR Fan is working automatically.

Type: Nuaire MRXBOXAB-ECO2 MVHR

Location: in the Utility Cupboard, on the wall

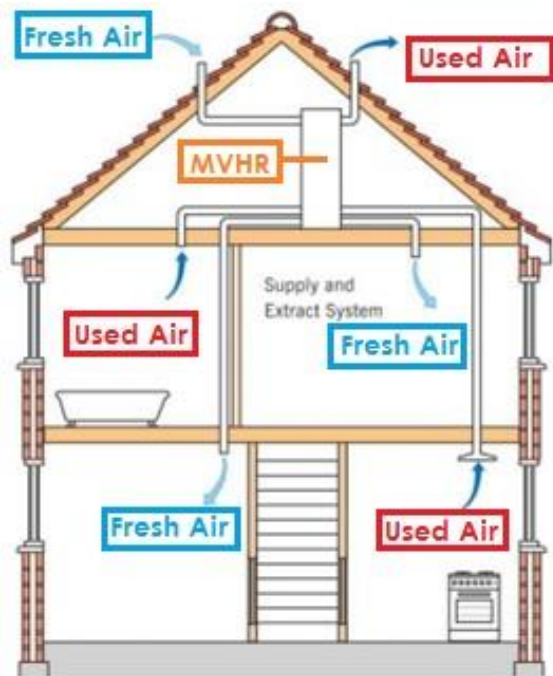


Figure 5.1

Note: These systems are heat recovery ventilation systems, **NOT AIR-CONDITIONING SYSTEM**. It offers the highest level of comfort and control available.

Note: The most common concern with homeowners is that heat ventilation devices create noise. With Advance, absolute optimisation of every element does everything possible to minimise generation and transmission of both motor and airflow noise.

5.2. HOW MVHR WORKS



- ✓ MVHR supplies & extracts air continuously at a low rate with boost facility to extract pollutants and supply fresh outdoor air at a higher rate as required
- ✓ Can be controlled either; - Manually via single or multiple switches - Automatically, typically via humidity or other sensors These should be clearly marked and located in an accessible location in or near the wet rooms -Normally the MVHR unit is sited remotely in a loft space or cupboard and ducted via rigid duct to outside air using the most economical route
- ✓ Replacement tempered air is introduced into bedrooms and living areas by the system, therefore background ventilators in windows are not required

Figure 5.2

5.3. FILTER MAINTENANCE

When the Unit LEDs show “Filter Change” status – this is reminder to ensure that the filters are not so dirty that they are blocking the airflow or allowing dirt to pass through. The rate at which the filters become dirty will vary depending on the environment and the activity within the property. (Refer to figure 5.3)

Note: Manufacturer’s recommendation states the filters should be checked after 6 months and replaced every 12 or 18 months. Heat Exchanger should also be checked every 5 years.

IMPORTANT

Isolation - Before commencing work make sure that the unit, switched live and Nuaire control are electrically isolated from the mains supply and switched live supply.

1. Turn down the MVHR isolator switch within the MCB in your Utility Cupboard (or the MVHR switch spur within the Utility Cupboard)
2. Remove 2 filter flaps and filters.
3. Clean gently by tapping or carefully using a vacuum cleaner if necessary or replace the filter if needed.
4. Replace the filter and cover plates.

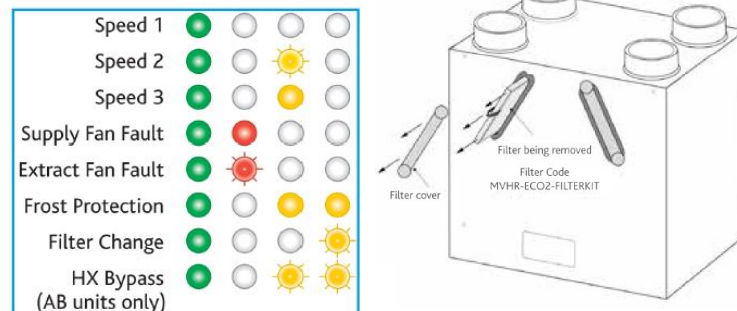


Figure 5.3

6. Door Entry Phone

Type: ENTROTEC EV+ Video Handset with Concierge Call Back Button

6.1. USER GUIDE

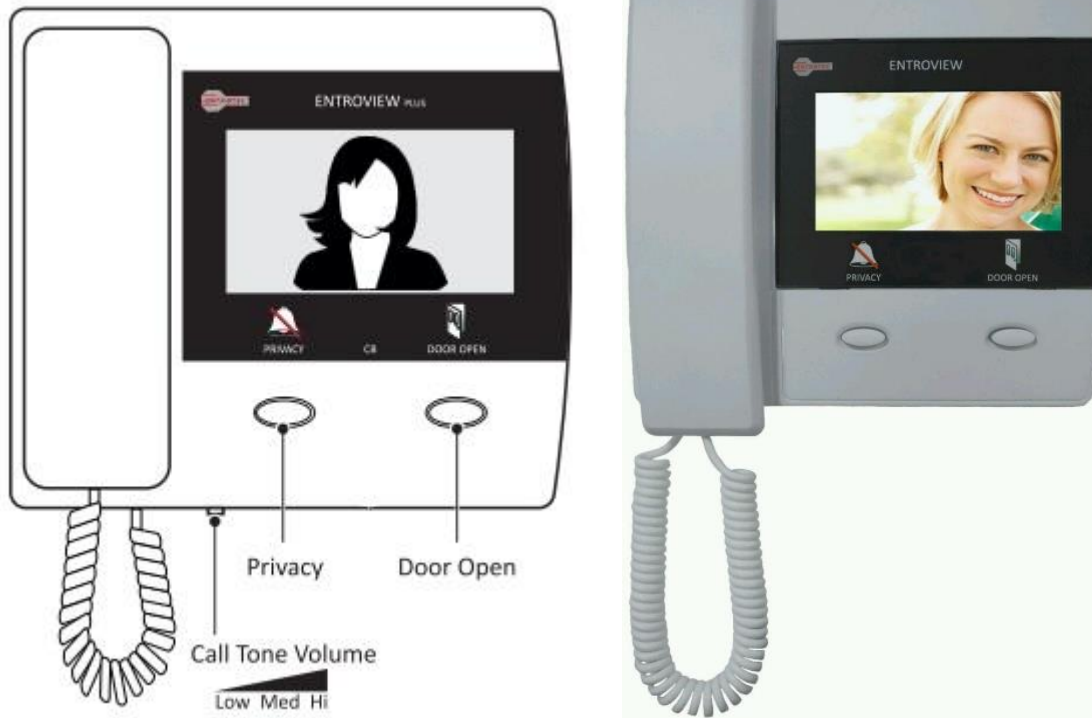


Figure 6.1

1. When called, the handset will give a distinctive call tone. Lift the hand – piece to speak with the caller. The video monitor will display for the length of the call (if the call is not answered, the system will reset to allow other visitors to make a call).
2. To let the caller, gain an access, press the **“Door Open”** button
3. When the call is completed, replace the hand – piece to reset the system
4. If you don't wish to be disturbed, press the **“Privacy”** button. The **“Privacy”** button will illuminate, and the call is muted when in the privacy mode. Press the **“Privacy”** button again to cancel the Privacy mode. There is a build in timer that automatically cancels the Privacy mode.
5. The call tone volume can be adjusted using the 3 positions slide switch on the bottom of the handset.

7. Towel Rail Timeguard

Type: Timeguard 7 Day Fused Spur Timeswitch FST77

7.1. DESCRIPTION

Towel Rail Timeguard is for **feeding and controlling the Towel Rail** in the apartments. It has easy viewing display, optional 1 or 2-hour boost facility and automatic Summer/Winter time changeover. You have up to 4 ON and OFF programmes available (5 day plus 2 or 7 day programmes) giving up to 28 ON and OFF programmes per week.

Location: Utility Cupboard



Figure 7.1



Figure 7.2

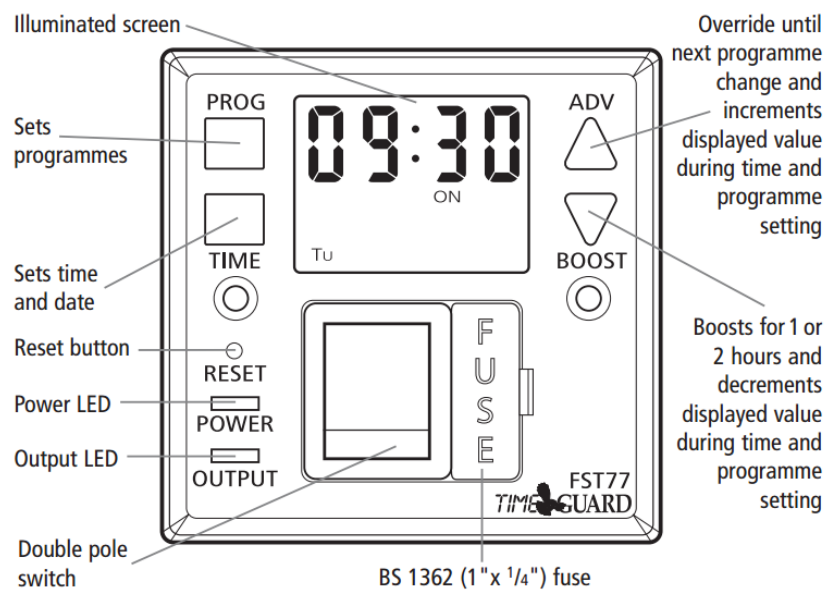


Figure 7.3

7.2. BATTERY

The unit has an in built non-replaceable, rechargeable battery, which will keep the programmed times during power is restored, and 4 hours have elapsed (to give a working battery charge), Reset must be pressed, and times/programmes re – entered.

Before programming for the first time, connect the unit to the mains for at least 15 minutes' prior pressing the Reset button and programming the unit. If the display is not visible or very faint, charge for 4 hours prior to pressing Reset and programming.

7.3. SETTING THE CLOCK

1. Press and hold down the Time button for 3 seconds. The word hold will show on the screen.
2. After 3 seconds, the screen will show a year.



Figure 7.4

3. Use the Adv or Boost buttons to change the year to the correct year.
4. Press Time to set the year, and then the month will show.



Figure 7.5

5. Use the Adv or boost button to adjust the day to the correct day.

6. Press Time to set the day, and then the time will show, hours first.



Figure 7.6

7. Use the Adv or boost button to adjust the hour to the correct hour.
8. Press Time to set the hour, and then the time will show the minutes. The hour is a 24-hour clock.
9. Use the Adv or boost button to adjust the minutes to the correct minutes.
10. Press Time to exit the Time/date entry mode. The display should now show the correct time/day of the week.



Figure 7.7

Note: during time/date setting, when Adv or Boost buttons are held down, the setting under adjustment will advance or decrease more rapidly.

7.4. MODIFYING THE TIME & DATE OF DAY

1. Normally the only change required will be to the time of day minutes, in which case press and hold Time for 3 seconds, during which hold will show on the display.
2. After 3 seconds the display will show year:



Figure 7.8

3. Press Time repeatedly until the minutes are shown. Use Adv or Boost to change the minutes to the correct value. Press Time to return to operating mode.
4. Other changes can be made the same way, but the Time button must be pressed to return to operating mode after any changes, there is no automatic exit from Time/date entry mode.

7.5. PROGRAMMING ON/OFF TIMES

1. The FST77 has 4 independent On/Off periods available for programming each day. There is a choice of programming options, including 7 days the same (24 hours), 5+2 days (where the weekdays are the same, and the two weekend days are the same), and 7 individual days.
2. Press and hold the Prog button for 3 seconds. Whilst holding, the word Hold should show on the display.
3. After 3 seconds, the mode screen will show.

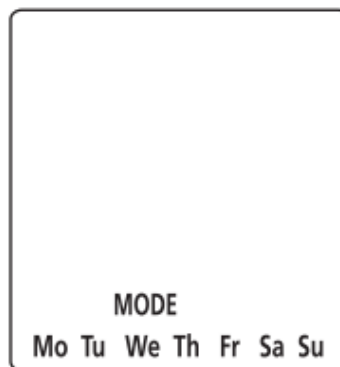


Figure 7.9

4. Use Adv or Boost to change the day grouping mode. This will step through the following options:
 - ✓ 24hr – Mo Tu We Th Fr Sa Su
 - ✓ 5day - Mo Tu We Th Fr followed automatically in programming by 2 day – Sa Su

- ✓ Individual day – Mo followed automatically in programming by each of the other days
5. Once the desired day grouping is selected, press Prog to move onto programming On/Off times. The display will show Prog 1, with dashes for the hours and minutes.

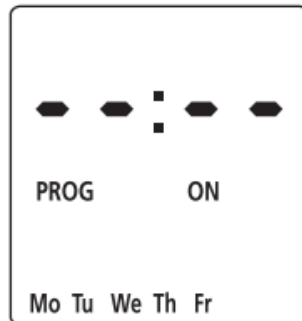


Figure 7.10

6. Example shown is for 5+2 programme.
7. Use Adv or Boost to set the hour for the first on period. Press Prog to change to setting the minutes.
8. Press Prog to change to programme 1 off time.

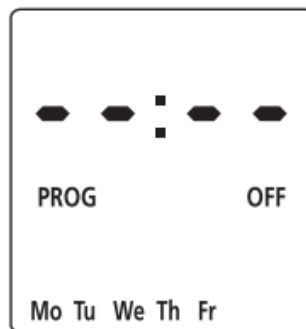


Figure 7.11

9. Press Prog to scroll through programme 2 on, programme 2 off, programme 3 on, programme 3 off, programme 4 on and programme 4 off, adding in times as required.
10. If times are not required, just leave the dashes in place, and scroll past that programme.
11. After programme 4 has been entered, the day will index to the next day to be programmed, or in the case of 5+2 it will change to Sa Su.
12. Programme the On/Off times as before.
13. After the last off time for programme 4 has been set, press Prog to exit programme mode.
14. At any stage in programming, if the Prog button is pressed and held for 3 seconds, the times will return to operating mode.
15. The display will now show:



Figure 7.121

16. Where the day and time are correct, but the On/Off indicator may not reflect the current programme accurately, in which case press the Adv button to correct the indicator.
17. In the same way, as for individual programmes, days or groups of days can be omitted either by leaving dashes in all the locations for On/Off times for that day or group of days. Alternatively, leaving the programme entry mode before filling in all the On/Off times will leave the remaining times blank.
18. The only way to re – enter a blank time is to reset the unit.

7.6. PROGRAMMING ACROSS MIDNIGHT

1. Enter the programme on time as above
2. Enter the programme off time as 00:00
3. Enter the first programme on time for the next day as 00:00
4. Enter the required programme off time

Note: for 24 hours, the on period for programme 1 must start 00:00.

7.7. MODIFYING OR ADDING PROGRAMMES

1. Press Prog and hold for 3 seconds. Whilst holding, the word hold will appear on the display.
2. After 3 seconds the display will show the programming mode screen.
3. This will be in the mode in which it was last programmed. For instance, if it was programmed 5+2, then it will show Mo Tu We Th Fr. Either accept this, press Prog, and review the times programmed for this mode by pressing Prog, or press Adv or Boost to change the mode, and then press Prog to review the times. In this case, either to Sa Su, or to 7 day or to individual days.

Note: If the unit was programmed as a 5+2 then changing the mode to any other mode than Sa Su may blank any previous programming.

The same applies for changing from any other mode, changing from the mode it was last programmed in may blank the previous programme.

7.8. BOOST

1. One press of the Boost button will provide a 1-hour boost, after which output will turn off.
2. Two presses will give 2 hours' boost.
3. A third press of the boost button will cancel any boost period.