HJM

INSTALLATION
&
OPERATING INSTRUCTIONS

TOWEL RAIL

REF: VERA500; VERA750

IMPORTANT WARNINGS

Dear Customer:

Thank you for purchasing our VERA Towel Rail. As with all our products they are manufactured to the highest quality using the finest materials that gives us confidence that you will have many years of good use and comfort from your product. VERA Towel Rails are extremely safe, *Virtually Silent* easy to install and do not require any special maintenance. They are made of aluminum, a material of high durability. Before use for the first time, *carefully read* these instructions.

GENERAL SAFETY INSTRUCTIONS

1. Please carefully read these instructions before using the device for the first time. Please keep these instructions, Your Guarantee, and your Invoice in the unlikely you have to make a warranty claim on the product.
2. **The Guarantee will be invalidated if the heater is not installed as per the instructions within this manual.**
3. Before connecting the appliance, make sure the mains voltage is the 230 Volts, and corresponds to the marked label of the appliance.
4. Check that the power is sufficient to supply the appliance. The total draw of the Towel Rail currents must not exceed the capacity of the circuit and the breaker that protects them.
5. This Towel Rail cannot be used in rooms with presence of gases or other flammable products (glues, etc...).
6. WARNING: To prevent overheating, do not completely cover the heater and do not use it to dry wet clothes.
7. Make sure the power cable or other objects does not come in contact with the Towel Rail surface while in operation.
8. If the power cable becomes damaged it must be replaced with a genuine replacement part supplied from the manufacturer and installed by a fully qualified electrician. Failure to comply may cause danger to your safety and will void the product warranty.
9. Check the device and the supply cord regularly. Do not use the device if the cable has been damaged.
10. **PRECAUTION:** Some parts of this product can reach high temperatures and could cause burns. Pay special attention when children or vulnerable people are around to protect them from the heater.
11. Do not mount the heater directly under a power socket.
12. Children under the age of three should not be allowed to touch or play with Towel Rail and should always be supervised.
13. This device can be used by children under 8 years of age, as well as by people with reduced physical, sensory or mental capabilities when suitably supervised and only when they have been provided the instructions regarding the use of the device and have understood the risks that could derive from it. Cleaning

must only be carried out by an appropriate adult using a damp cloth with a non-abrasive cleaner, abrasive cleaners my damage the product.

14. Children between 3 and 8 years should not turn the heater on or off, unless this is installed or placed in a normal position and that children are under proper supervision or have received instructions regarding the use of the device as security and they have perfectly understood the potential dangers. Children between 3 and 8 years old should not connect, adjust, or clean the appliance or perform any maintenance measure.

15. **Warning**: Do not use this heater near baths, showers, or swimming pools. It should not be possible to access the device's controls from a bath, shower or any other surface that is in contact with water.(the use of this heater in zones 0 or 1 in bathrooms is totally prohibited:!
(Seek advice from a qualified electrician).

16. For greater safety, this appliance is provided with a device that interrupts its operation in the case of overheating.

17. This Towel Rail has been designed exclusively to be fixed to the wall. For further information on the fixing systems, Go to Section "INSTALLATION AND WALL MOUNTING" Within this manual.

18. Do not use accessories that have not been recommended by the manufacturer, as they could entail a potential risk to the user and damage the device. Use only original accessories.

19. Keep all the packaging elements (plastic bags, cardboard, and polyethylene) out of the reach of children, as it can be potentially dangerous and could cause suffocation.

20. This device has been designed for domestic and light commercial use. This device has not been designed for industrial use. **It must not be used Outdoors, in Greenhouses or in Animal or Agricultural environments.** Keep the heater away from excessive heat, direct sunlight and in an environment that has a constant humidity. Under No Circumstances should the heater be immersed in water or use the device with wet hands. In the case of humidity or water entering the device, it should be immediately disconnected from the power supply and left to fully dry. Do Not touch any Wet parts of the heater before it has been isolated from the main power supply.

21. Do not attempt to service the device yourself. Contact a qualified technician for any service or repair work.

22. Respect the "SPECIFIC SAFETY INSTRUCTIONS FOR THIS APPLIANCE" listed below.

23. WARNING: To avoid danger to very young children or people with impaired capacity. This appliance should be installed at higher level to avoid anyone touching the heater.

24. WARNING: This appliance is only intended for drying towels that have become damp with fresh water and not any other substance as this could result in damaging the heater and invalidate its warranty.

SPECIFIC SAFETY INSTRUCTIONS FOR THIS DEVICE

- The appliance must remain in a vertical position.
- Make sure the appliance is always secured. Please adhere to the installation clearances indicated in this manual.
- Follow the instructions in "INSTALLATION".
- **The Guarantee will be invalidated if the heater is not installed as per the instructions within this manual.**

INSTALLATION

- During the first Start Up the heater might create a slight odour and some slight expansion noise due to some internal part movement. This is normal and you must provide adequate ventilation when this occurs. The odours are momentary and will quickly dissipate in a well-ventilated area.
- Fix the Towel Rail onto a firm wall and making sure it is level.
- The Towel Rail must be a minimum distance of 15cm from any combustible material.
- Allow for a minimum distance of 1m from the front of the unit to any obstacles that could hinder its operation.
- Keep a minimum distance of 15 cm between the appliance and the side walls and any other obstacles (walls, for example) that may affect its function.

- WARNING: When this appliance is installed in a bathroom, it must be installed within Zone 2. The installation of this appliance within Zones 0 or 1 of a bathroom is totally prohibited. Figure 1 bellow is only for information purposes, we suggest you contact a professional electrician for installation of your heater.
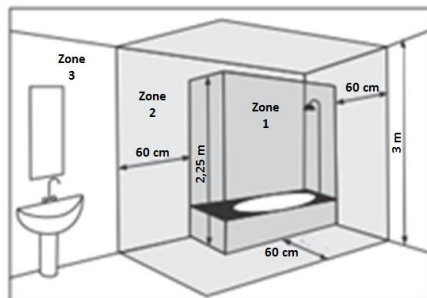
Zone 1: Appliances supplied to Safety Extra Low Voltage (SELV).
Zone 2: Electrical Appliances Class II – IP X24

Fig.1

WALL-MOUNTING

The towel radiator is equipped with the following components:
- 4 towel radiator suspension brackets as shown in (Fig 1).
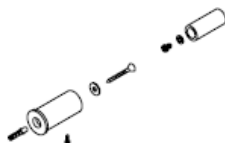
Fig. 1

1. Cut and place the template on the wall at a minimum recommended height
    of 600mm. (This is for ease of controller use) The heater can be mounted
    lower if this is your preference however care should be taken where young
    children are present.
2. Mark the position of the 4 holes on the wall.
3. Drill 4 holes suitable for 8 mm wall plugs.
4. Screw the larger diameter brackets onto the wall ($\varnothing$ 26) as shown in (Fig2)
Fix using the screws, washers and plugs provided as shown in (Fig.2).

Fig. 2

5. Screw the smaller diameter brackets ($\varnothing$ 19) onto the heater with the 4 x M4
screws and 4 x M4 washers as shown in Fig 3.
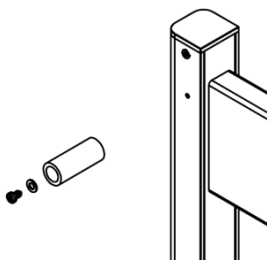
Fig. 3

6. Insert the brackets ($\varnothing$ 19) fixed to the heater into the brackets ($\varnothing$ 26) fixed to
the wall and secure using the fixing screws as shown in Fig 4 & 5.
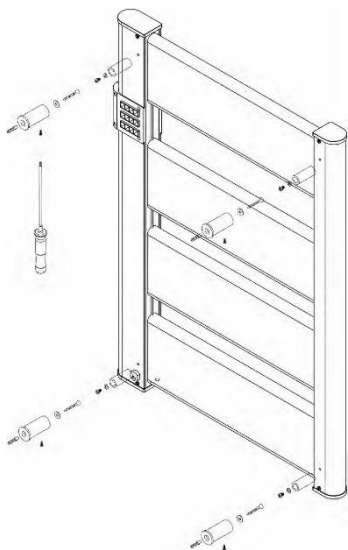
Fig. 4   Fig. 5

YES   **NO**

ELECTRIC SUPPLY CONNECTION

This appliance is equipped with a H05V2V2-F 2x1.0mm² power cable and a two-pole plug without earth connection.
Connect the plug to a power socket.

Make sure that your electrical installation and the connection cables are in good condition.

This appliance does not require earthing, as it is double insulated.

Contact a professional electrician if you need help.

This appliance does not require earthing connection as it is double insulated.

Contact a fully qualified electrician for assistance.

TECHNICAL CHARACTERISTICS

Type	VERA 500	VERA 750
Rated Voltage	230 V~	230 V~
Rated Frequency	50 Hz	50 Hz
Rated Power Input	500 W	750 W
Electrical Protection Class	II	II
IP Protection Deg.	IP24	IP24
Dimensions (LxHxD) (mm)	531x720x110	531x1085x110
Weight (kg)	3,5	4,9

HOW TO PLACE TOWELS

Hang the towels on the heater horizontally across the rail from back to front.

It is recommended to use the upper horizontal tube of each tube set.

Do Not Cover completely as this will cause the rail to overheat!

DIGITAL PROGRAMMABLE THERMOSTAT

The radiator is equipped with a digital, programmable thermostat.

1. User interface

a. Display
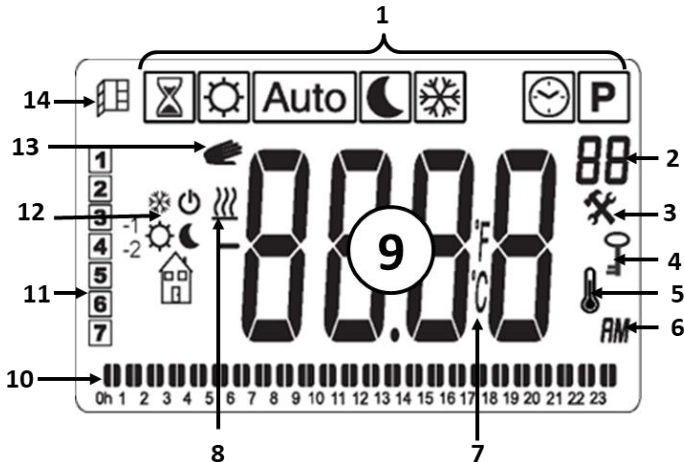
- ➢ 1: Operating mode menu (active mode is framed)
- ➢ 2: Program number or parameters number if "3" is displayed
- ➢ 3: Installation parameter menu
- ➢ 4: Key lock function indicator
- ➢ 5: Room temperature indicator
- ➢ 6: Type of time (12H AM/PM or 24H)
- ➢ 7: Temperature unit
- ➢ 8: Heating demand
- ➢ 9: Display zone for time, temperatures and parameters
- ➢ 10: Graphic view for the current day program
- ➢ 11: Current day of the week or Eco design information (comfort mode)
- ➢ 12: Pictogram for pilot wire indication or for edit program mode or for consumption power menu
- ➢ 13: Overrid function in AUTO mode or ITCS function if blinking
- ➢ 14: Opened window detection

b. Keyboard

Keyboard is composed by 5 buttons:
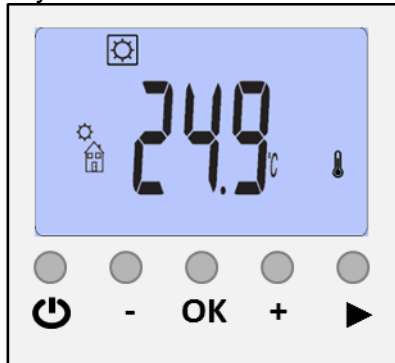
- ➢ ⏻ : On/Off key
- ➢ − : minus key
- ➢ OK : validation key
- ➢ ✚ : plus key
- ➢ ▶ : right navigation key

c. First installation

During the first installation of thermostat or when a product reset has been done, user has to set the hour and the date (see paragraph II.3.g).

2. Menu for mode selection

To change the current mode of the thermostat, the user has to push the right navigation key ▶ to display the working mode line.
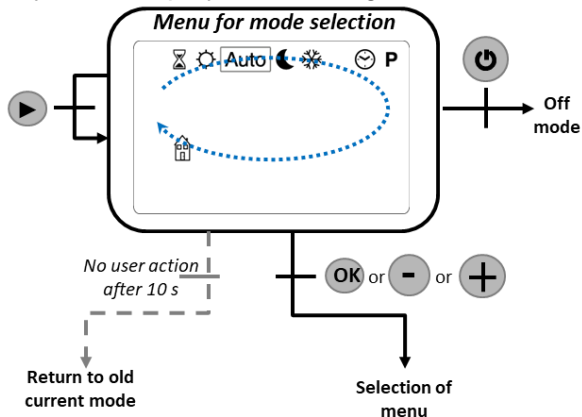
User moves the frame cursor to choose a working mode. In order to select choosen mode, user presses ^{OK} or ➕ or ➖. If user doesn't validate choosen mode, thermostat returns automatically to the older selected mode.
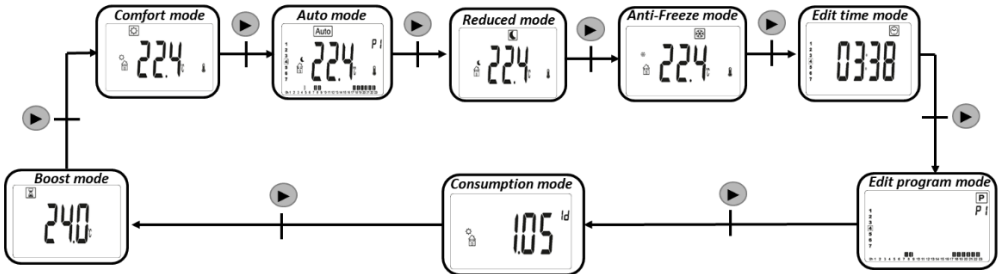
With touch ⏻, user acceds directly to Off mode :
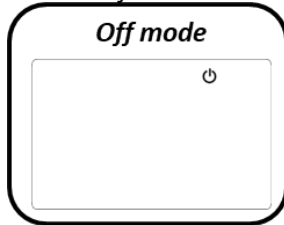
If there isn't any validation, thermostat returns to an old selected mode: ☼, Auto, 🌙 or ❄.

Parameter menu is available by pressing and maintaining ^{OK} during 5 seconds (see paragraph *parameter menu*).

3. Working mode definition

a. Comfort mode ☼

In this mode, **comfort temperature set point will be followed all the time.**

From the screensaver (lighted backlight), by pressing ⊖ and ⊕ keys, the comfort setting temperature starts to blink and can be modified. By pressing ⓞᴷkey, the set point value is validated. If user doesn't validate the new setting, it will be validated automatically after few seconds. This set point will be used in AUTO mode [Auto] during high step of selected program ☼🏠.

From the screensaver, ⓞᴷ key permits to switch displaying between measured temperature and setting temperature.

By pressing ⏻ key, thermostat is turned off.

By pressing ▶key, navigation menu is displayed.

Default Value: 21 °C

Range: 5.0°C to 30°C
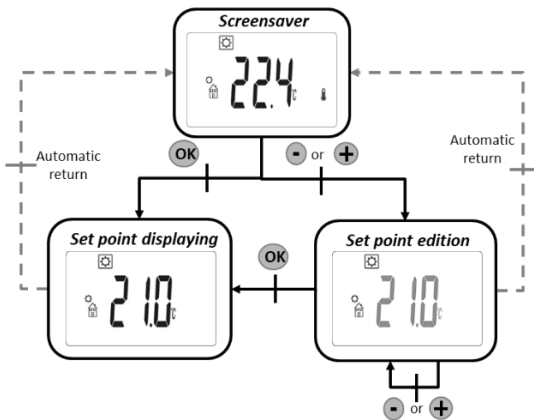
b. Reduced mode 🌙
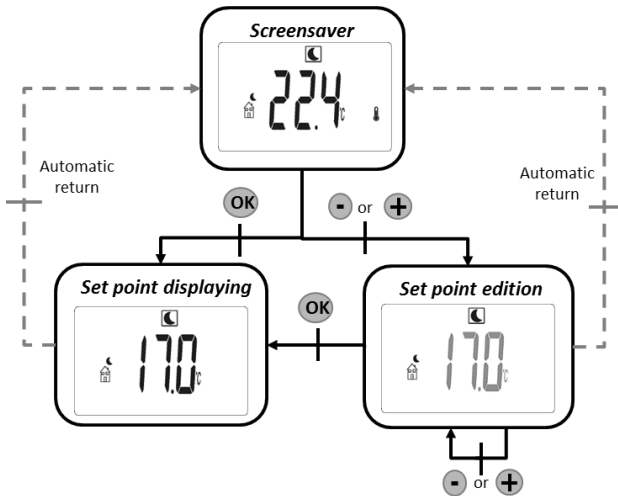
In this mode, the **reduced set point temperature will be followed all the time.** From the screensaver (lighted backlight), by pressing ⊖ and ⊕ keys, the reduced setting temperature starts to blink and can be modified. By pressing ᴼᴷ key, the set point value is validated. If user doesn't validate the new setting, it will be validated automatically after few seconds. This set point will be used in AUTO mode during low step of selected program 🌙🏠.

From the screensaver, ᴼᴷ key permits to switch displaying between measured temperature and setting temperature.

By pressing ▶ key, navigation menu is displayed.

By pressing ⏻ key, thermostat is turned off.

Default Value: 19 °C

Range: 5.0°C to 19°C

Screensaver

🌙
22.4°C

Automatic return

OK   ⊖ or ⊕

Automatic return

Set point displaying

🌙
17.0°C

OK

Set point edition

🌙
17.0°C

⊖ or ⊕

c. Automatic mode Auto
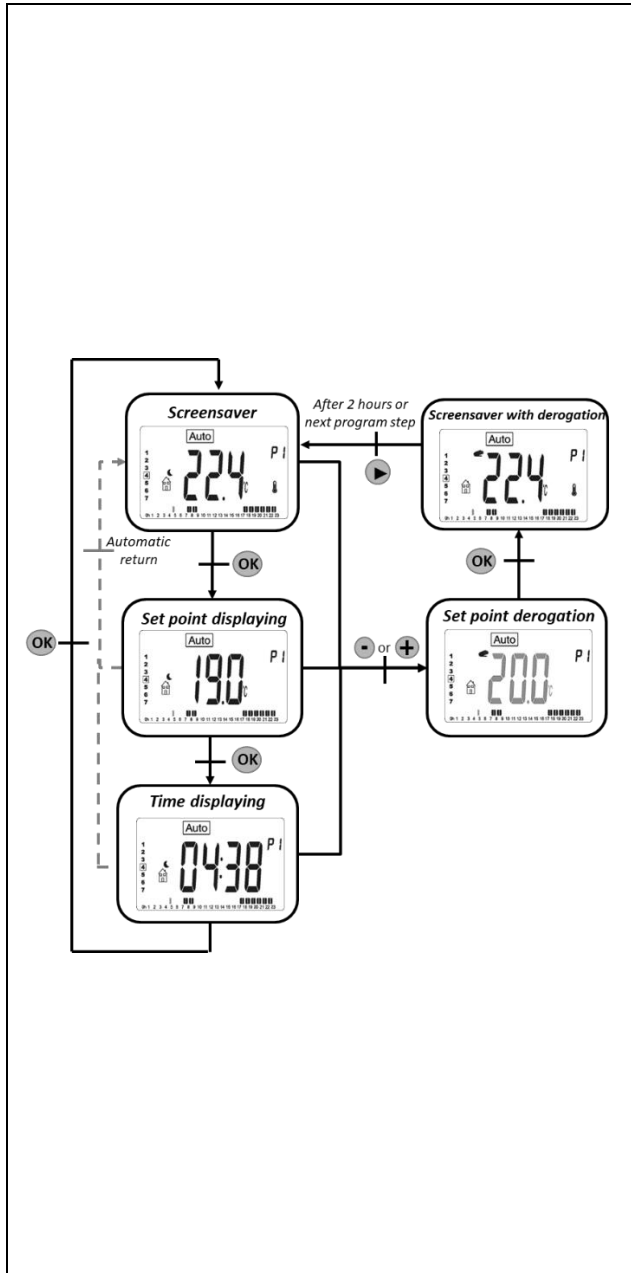
In this mode, the thermostat will follow the chosen program (Built-in **P1** to **P9** or customized **U1** to **U4**) according to the actual time and the Comfort ☼🏠 and Reduced ☾🏠 setting temperature.
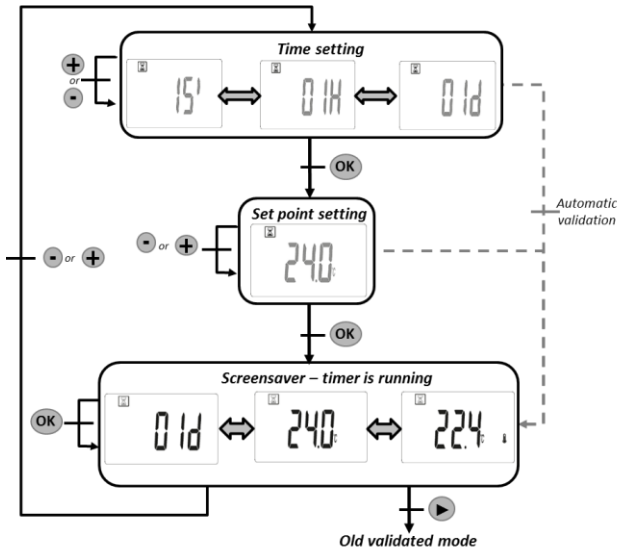
From the screensaver, OK key permits to switch displaying between measured temperature, setting temperature and time.

From any screen, by pressing – and ⊕ keys, user can override, until next program step, the current program temperature by changing the value. The value starts to blink and can be modified. By pressing OK key, the set point value is validated. The small hand 🖐 logo will be displayed when override function is active. This override will continue until the next step (program switch to another temperature setpoint) or during 2H maximum.

By pressing ▶ key, navigation menu is displayed.

By pressing ⏻ key, thermostat is turned off.

d. Anti-freeze mode ❄
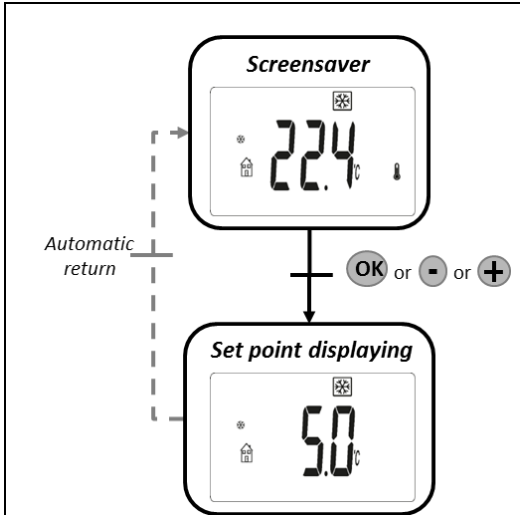
In this mode, **anti-freeze temperature set point will be followed all the time**.

The anti-freeze setting temperature is fixed. However, it can be adjusted in the parameter menu 'AF' (see chapter 6). The default value is equal to 5°C.

From the screensaver (lighted backlight), OK, − and + keys permit to switch displaying between measured temperature and setting temperature.

By pressing ▶ key, navigation menu is displayed.

e. OFF Mode
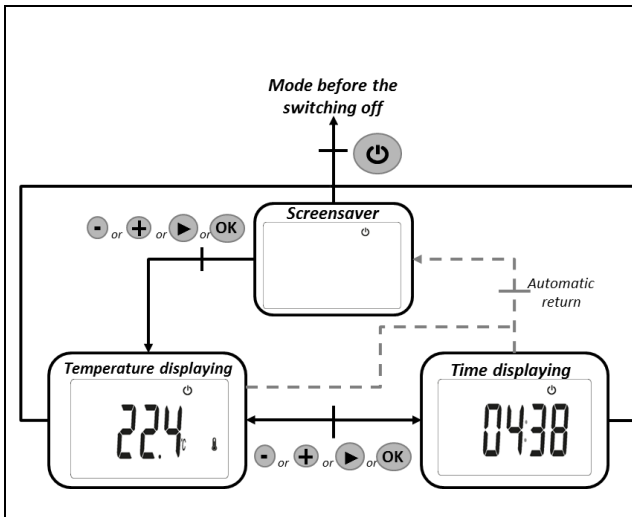
In standby mode, only OFF mode logo is displayed.

After pressing one of 4 keys (OK or − or + or ▶), measured temperature is displayed. Another pressing permits to display the time.

After few seconds, these informations aren't displayed.

If the touch ⏻ is pressing, thermostat will wake up in the last selected mode.

f. Timer/boost mode ⧗

Time setting

Set point setting

Automatic validation

Screensaver – timer is running

Old validated mode

This mode allows the users to adjust the setpoint temperature during choosen duration.

Time setting: pressing ⓞⓚ permits to set the time value with ⊖ and ⊕. Touch ⓞⓚ permits to validate time value and to switch to the setting of setpoint temperature.

Default value: 0

Value range: 15, 30 or 45 minutes or 1 to 23 hours or 1 à 44 days

Setpoint temperature setting: Pressing on touch ⊖ or ⊕ permits to set set point temperature. Touch ⓞⓚ permits to validate the value and to activate boost period.

Default value: 24°C

Value range: 5.0°C à 37°C

Timer is running: the boost logo is flashing and values of setpoint and remaining time are displaying alternatively. Pressing ⓞⓚ permits to display measured temperature. Pressing ⊖ or ⊕ permits to change settings. Pressing ▶ stops timer. Pressing ⏻ stops product and clear timer counter.

Timer end: The thermostat returns to the old selected mode.

g. "Edit time" menu ☽
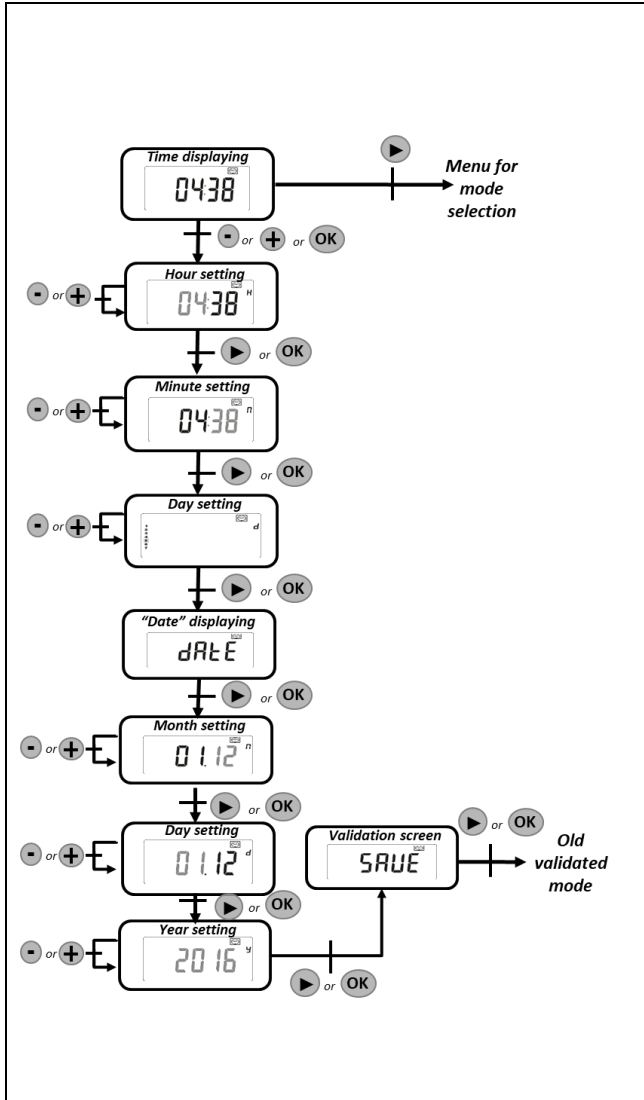
Time displaying:
After the selection of this mode, pressing the keys ⊖ or ⊕ or OK starts time and date settings. Pressing key ▶ returns to the mode selection menu.

Time and day settings:
- Adjustment of the hours
- Adjustment of the minutes
- Adjustment of the day (1 corresponds to Monday).

Date settings:
- Adjustment of the Month (01 corresponds to January)
- Adjustment of the day number
- Adjustment of the year.

Each time that a value is blinking, it can be adjusted with ⊖ and ⊕ keys. The setting value is validated with OK or ▶ keys.

If there isn't any touch pressing, thermostat returns automatically to the old selected mode. Modifications will be saved automatically.

Pressing ⏻ stops product and clears edited values if there aren't be validated at the end of date setting.

h. Program menu [P]

Current program displaying

Program number editing

Mode selection menu

Auto mode

Built-in or user program selected
(P1 to P9 or U1 to U4)

Auto mode

User program selected
(U1 to U4)

OK (short press)

OK (1 second)

User program editing

OK *and day 7 edited*
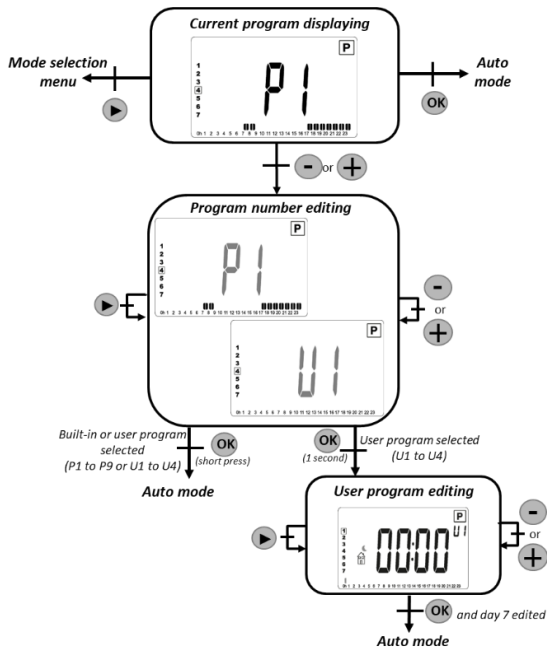
Auto mode

Current program displaying:
Pressing ▶ permits to change the day for program displaying. Pressing OK returns to auto mode. Pressing - or + permits to edit the program number.

Program number editing:
Pressing ▶ permits to change the day for program displaying. Pressing - or + permits to change the program number. Pressing OK permits to validate selected program. Pressing OK one second when a User program is selected permits to edit it.

Built-in program:
P1 to P9 described paragraph *"Built-in program description"*

User program editing:
Pressing ▶ permits to change interval time. Pressing - activates a reduced temperature at the current interval time. Pressing + activates a comfort temperature at the current interval time. Pressing OK validates the edited day. If the seventh day is validated, thermostat returns to Auto mode (see paragraphe *"User program editing"*).

Default: Reduced set point temperature every day

Pressing ⏻ stops product and clear program selection and program edition if the last day wasn't validated.

i. Power consumption menu

	This mode is only available if a heater power has been setted by user.
	Pressing ⊖ or ⊕ permits to change interval time for power consumption displaying (last 1 hour, last 24 hours, last 7 days and last 30 days).
	The power values are displaying with kWatt unit.
	If there isn't any touch pressing, thermostat returns automatically to the old selected mode.
Screensaver	Pressing ▶ permits to return in selection mode menu.
POW	Pressing one second OK resets power consumption values.
OK — ⊖ or ⊕ or OK	Pressing ⏻ stops product.
Last 1 hour/24 hours/7days/30 days power consumption	Estimated values are saved in EEPROM memory every 4 hours and each time user displays this menu.
2.00 ⇔ **3.60** ⇔ **3.60** ⇔ **3.60** ⊖ or ⊕	If there is powercut, estimated values are kept during 12 hours after there are resetted.
Automatic return	
Old validated mode	
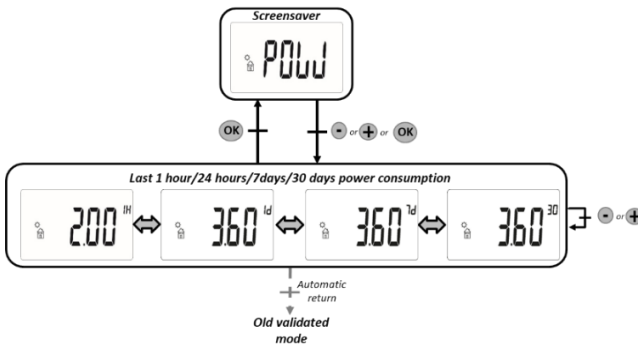
4. Built-in program description

P1: Morning (7h-9h), Evening (17h-23h) & Week-end (8h-23h)
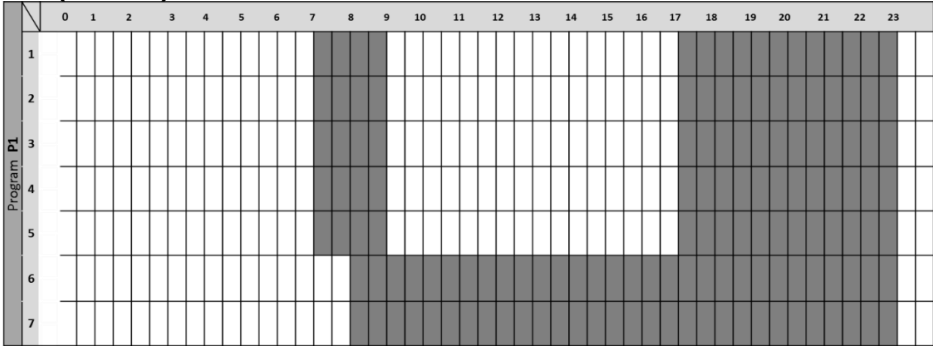
P2: Morning (7h-9h), Afternoon (12h-14h), Evening (18h-23h) & Week-end (8h-23h)
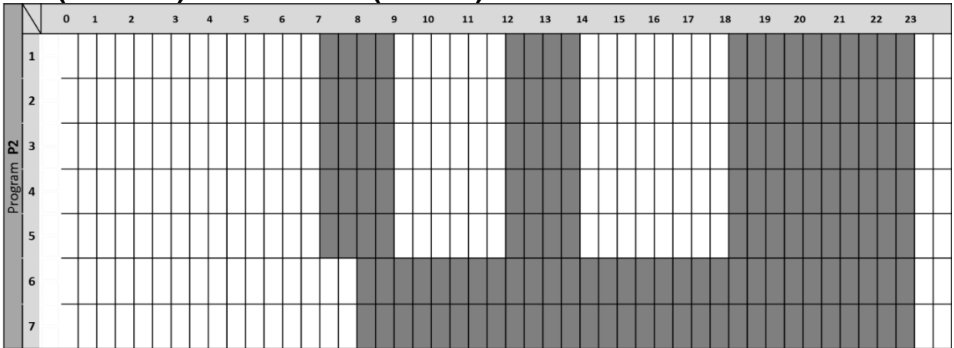
P3: Week (6h-23h), Saturday (7h-24h) & Sunday (night (0h-1h), day (7h-23h))
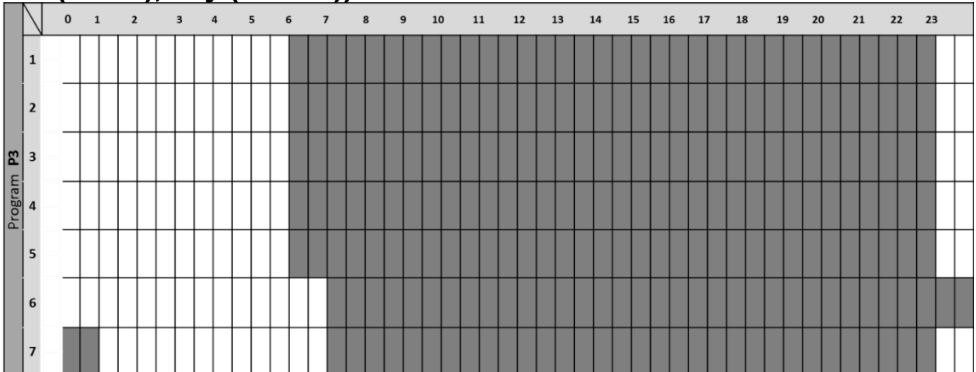
P4: **Evening (15h-23h) & Saturday (7h-24h) & Sunday (night(0h-1h), day(7h-23h))**
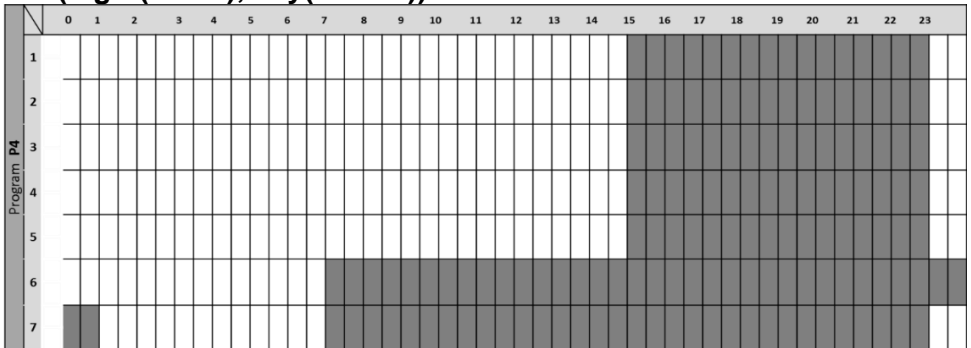
P5: **Morning (6h-8h), Evening (21h-23h) & Saturday (Morning (6h-8h), Evening (18h-24h)) & Sunday (Morning (6h-8h), Evening (18h-23h))**
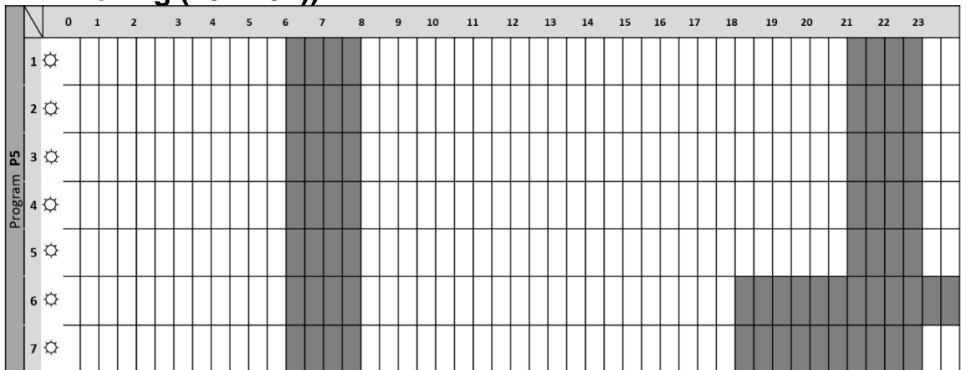
P6: **Morning (6h-8h), Afternoon (14h-21h) & Week-end (7h-21h)**
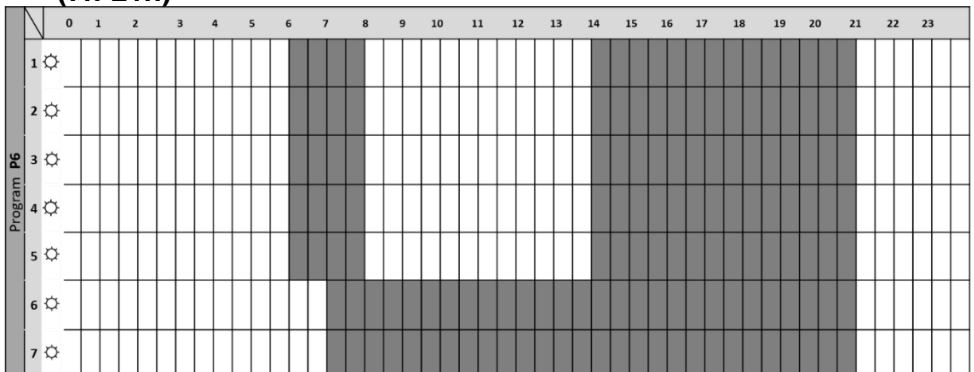
P7:   Office: Monday to Friday (7h-19h) & Week-End (stop)
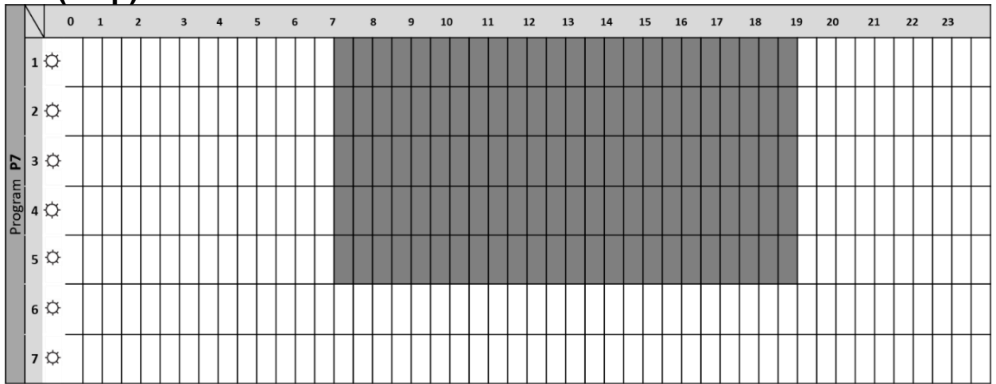
P8:   Shop: Monday to Friday (8h-19h) & Saturday (8h-18h) & Sunday (stop)
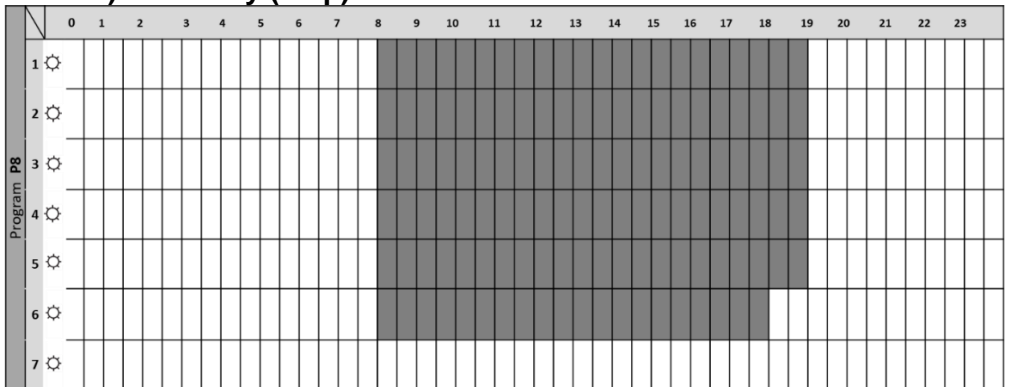
P9:   Sacond home: Friday (13h) to Monday (7h)
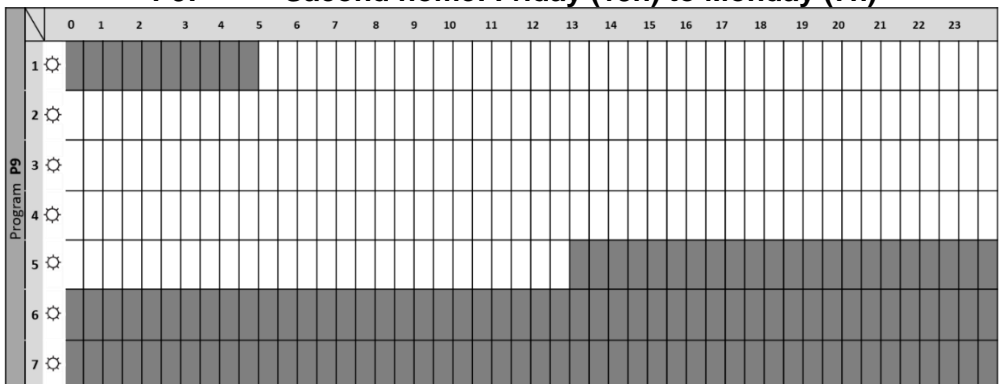
5. User program editing

When a user program is editing, thermostat displays:

Temperature pictogram
Selected day
Program number
Time interval
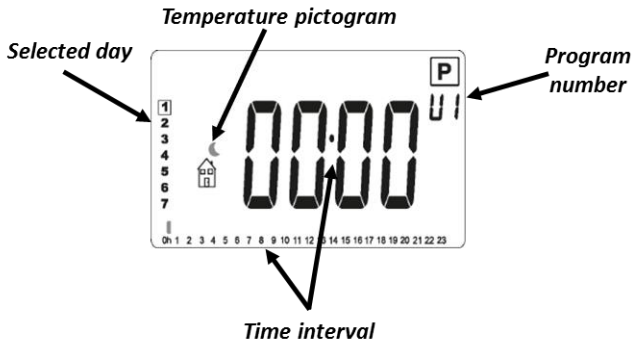
Temperature pictogram:

- ☼ 🏠 : comfort temperature is applied during selected time interval

- ☾ 🏠 : reduced temperature is applied during selected time interval

Time interval:
- Step of 30 minutes

Edition description:
- Program edition starts with the first day of the week (1=monday)

- Pressing ⊖ key activates a reduced temperature (🏠) at the cursor position

- Pressing ⊕ key activates a comfort temperature (☼🏠) at the cursor position

- Pressing ► key moves cursor to the right

- Pressing ⓞⓚ key validates the edited day. Next day will keep same settings as previous edited day in order to help user edition. When the seventh day is validated, thermostat automatically returns to the Auto mode.

6. EEPROM saving settings

This thermostat saves its data (setpoint values, user program and settings) automatically when:
- User validates setting modifications by pressing validation key ⓞⓚ;

- Product backlight turns off.

It saves too estimated values of its power consumption:
- Every 4 hours;
- When user goes in consumtion mode.

7. Special functions

a. ITCS: Intelligent Temperature Control System

This function can be activated with the "ITCS parameter" in menu parameter (see chapter "parameter menu").

This function permits to activate your installation in advance (2 hours maximum) when your thermostat is in Auto mode Auto. This function assures the desired temperature at the hour programmed following your weekly program.

To operate, this ITCS realizes automatically several time and temperature measurements. The goal is to estimate a heating speed of the system. With this value, system can calculate the time to activate the heating in advance.

When thermostat is switched on for the first time, a default time is used to reach the setting temperature. This value will be adjusted by new measurements at each program change to offset the outside temperature evolution. Then, the thermostat can be programmed without adjustment because it will be done automatically.

When an adaptative start is realizing by the system, a hand logo ✊ is displayed on LCD screen.

b. Opened windows detection ⊞

This function can be activated with the "window parameter" in menu parameter (see chapter "parameter menu"). If the function is activated, the icon ⊞ will appear on the screen:


This function is done by measuring and recording the temperature evolution within the last 30 minutes:

- ➢ *First step - Windows open triggered:* The remote goes in windows open status (and temperature value blink) when, during last 30 minutes, the temperature as decreased of more than 1.5°C
- ➢ *Second step:* During 30 minutes, if temperature rises than 0.3°C then window open status is cleared and remote automatically comes back to current mode set point.

c. Time saving

This product can keep time counting during 12 hours after a power outage. Beyond 12 hours without power, hour displaying will blink until user goes to edit time menu in order to check time anfd date values:
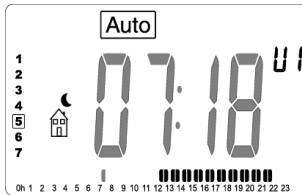
If power outage is too long, time and date values will be reseted with factory value. User will have to reconfigure these values.

d. Keyboard locks

To activate this function, the user maintains pressing ^{OK} key and then presses simultaneously on ► key.

This function can be accessed in any operating mode except in parameter menu (see chapter *« Parameter Menu »*), in edit time menu, edit program menu and power consumption menu (see chapter « working mode definition ») and in menu for mode selection.

The icon 0—π will be displayed on the screen:

To unlock key board, the user will have to repaet the same procedure.
<u>NOTE:</u> If there is a power loss, the configuration is kept.

8. Parameter menu

The thermostat has to be in one of those functioning modes: comfort ⛶, reduced 🌙, anti-freeze ❄, Auto Auto or timer ⧗. To enter in the parameter menu, the user has to maintain Ⓞᴋ during 5 seconds.

Automatic return
(10 second of keyboard inactivity)
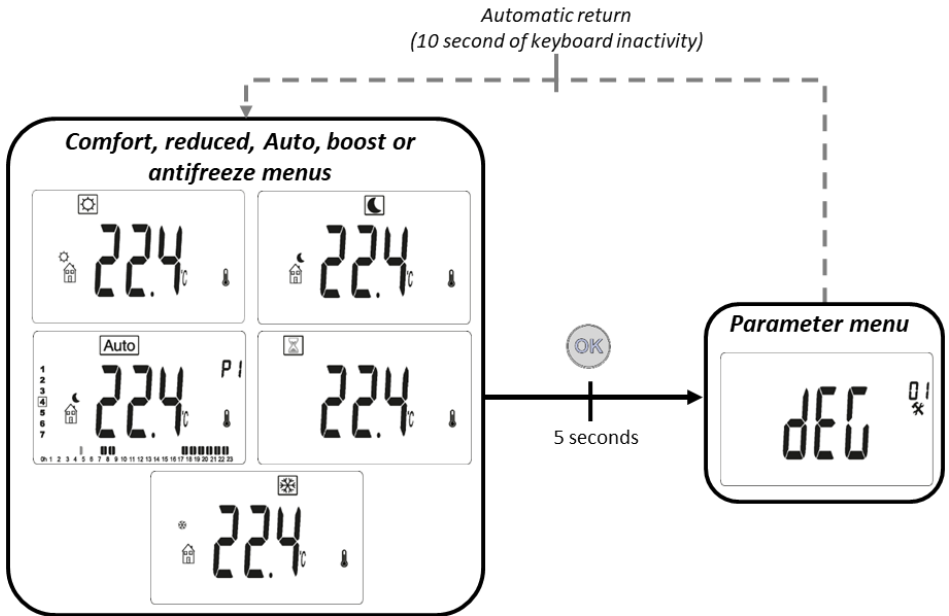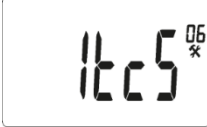
The parameter, which will be adjusted, is selected by pressing ▶, ⊕ or ⊖. The parameter setting is done by pressing ⊕ or ⊖ keys. The validation of the setted value is done by pressing Ⓞᴋ key.

Number of parameter menu is changed with ▶ navigation touch.

To leave the parameter menu, the user has to choose "End" parameter and press Ⓞᴋ key.

	Type of degrees displayed "dEG"	
dEG ₀₁	**Default value**	**Other choices**
	°C (Celsius)	°F (Fahrenheit)
24H ₀₂	**Selecting the clock display format "time":** ➢ 24H → 24:00 ➢ 12H → 12:00 AM/PM	
	Default value	**Other choices**
	24H	12H
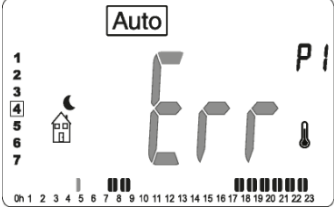
d5t 03	**DST – Daylight summer time** If this function is activated, thermostat change automatically time (summer/winter) according to date.

Default value	Other choices
Yes (activated function)	No

21.4℃ 04	**Calibration of temperature sensor:** First screen displays measured temperature. Pressing ^{OK} key displays offset value. If « no » is displayed, sensor calibration hasn't been done (offset value equal to zero). *Setting temperature offset:* Pressing ⊕ or ⊖ key sets temperature value. Pressing ^{OK} validates setting. *How to calibrate temperature sensor:* The calibration must be done after 1 day working with the same setting temperature in accordance with the following description: ➢ Put a thermometer in the room at the same distance from the floor like the thermostat. Check the real temperature in the room after 1 hour. ➢ Enter this value in the calibration parameter menu by using the ⊖ or ⊕ keys in order to enter the real value. ➢ Press ^{OK} to validate the calibration. ➢ User can reset offset value by pressing ⊕ and ⊖ during one second.

Default value	Value range
No (null offset value)	-5°C to 5°C

AF 05	**AF – Antifreeze set point temperature** Pressing ⊕ or ⊖ key permits to configure set point temperature value for antifreeze mode. Pressing ^{OK} validate the setting.

Default value	Value range
5°C	5 to 10°C

Itc5 06	**ITCS – Intelligent Temperature Control System (adaptive start heating in AUTO mode)** This function is described in the paragraphe Fout! Verwijzingsbron niet gevonden..Fout! Verwijzingsbron niet gevonden. *"Special functions".*

	This parameter permits to activate or not this functionality.	
	Default value	**Other choices**
	Yes (activated function)	No
UU in ⁰⁷ ※	**Automatic open window detection** This function is described in the paragraphe Fout! Verwijzingsbron niet gevonden.**Fout! Verwijzingsbron niet gevonden.** *"Special functions".* This parameter permits to activate or not this functionality.	
	Default value	**Other choices**
	Yes (activated function)	No
Pouu ⁰⁸ ※	**Setting heater power for calculation of consumption power** This parameter corresponds to the heater power. This parameter has to be configured in order to calculate power consumption and to select adapted regulation parameters.	
	Default value	**Other choices**
	1000 W	1500 W /2000 W Displaying value are, due to digit number: 1000/1500/2000
CLr ⁰⁹ ※	**CLr – clear product memory with factory settings** All thermostat parameters will be loaded with factory settings. By pressing and maintaining ^{OK} key during 5 seconds, thermostat resets parameters. Thermostat will be reset with the factory default setting: ➢ Set point temperatures 21°C ☼, 19°C ☾, 5°C ❄, ➢ program U1 to U4, ➢ boost 30 minutes ⧖, ➢ user parameters: o time displaying "24H",	

	- temperature unity "°C", - open window detection "Yes", - ITCS (adaptive start time for heating) "Yes", - sensor calibration "no", - automatic daylight saving time adjustment "Yes", ➢ Reset the time. **Clearing LCD animation** **NOTE:** Setting of radiator power isn't reset.
u2.00	**Software version**
End	**Exit parameter menu:** Pressing OK key permits to exit parameter menu and return to normal functionning.

9. Measurement error

If the sensor is out of order or disconnected, an error message is displayed on thermostat screen.

Problem on sensor		The message « Err » and the logo 🌡 blink.

THERMAL SAFETY
In the case of overheating, a safety device automatically cuts the radiators operation. After cooling the radiator will automatically reset.

MAINTENANCE

Your radiator requires no regular maintenance, however, to ensure its good operation:

Always disconnect the device from the mains before performing any cleaning or maintenance operation.
Let it cool down before cleaning.
Do not use detergent, solvent, abrasive products or any other chemical product to clean the radiator.

NEVER immerse the device in water or any other liquids.
You can use a vacuum or flexible brush to clean the air grilles. This maintenance must be carried out regularly to ensure optimum performance. Ensure the radiator is totally dry before turning it back on.

QUESTIONS AND ANSWERS

PROBLEM	RADIATOR	POSSIBLE CAUSE	SOLUTION
The device does not turn on	The radiator screen doesn't turn on.	Check the power supply.	If the power supply is correct, contact an official technical service
The display of the device shows the text "**Err**"	The symbol " 🌡️ " and the message "**Err" are** flashing.	Room temperature sensor failure	Contact an official technical service
The radiator is cold.	Comfort temperature set above room temperature.	Possible failure of the electrical resistance or the electronic programmer	Contact an official technical service
	Comfort temperature set below room temperature.	Badly configured.	You must raise the comfort temperature above the room temperature
The radiator seems to be working properly but does not reach the set temperature	It works properly	The power of the radiator is not sufficient in relation to the size of the room.	Replace the radiator with a higher power one or add another radiator to the room, until reaching an installed power of 100-120 W/m2
	It works properly	The radiator may be receiving an airflow and altering the probe measurement.	Change the position of the radiator
The radiator is warm at times set in economy mode	It works properly	The temperature set in economy mode is very high. The radiator continuously measures the room temperature and detects that it is lower than the set temperature.	If the room temperature is lower than the set temperature, it starts to heat up. You must lower the temperature set in economy mode.

The temperature measured by the radiator does not correspond to the room temperature	It works properly	Poor probe calibration	Calibrate the probe measurement according to the indications in Section 5: Installation parameters menu

EU Declaration of Conformity

$\mathsf{C}\,\mathsf{E}$

Product:	TOWEL RAIL
Trademark:	**HJM**
Models:	**VERA 500, VERA 750**
Batch & Serial No.:	**Mx YYDDD-XXX** (1)
(1) Explanation of code "Lot & Serial No."	
Batch = **Mx YYDDD**; *where*: **Mx = Assembly Line No. YY = *year* (15,16,17...99) DDD = C*orrelative day* (001,..., 365)**	
Serial No. = **XXX (001,..., 999)**	

We:

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Hereby declare, that the following equipment complies with all the essential requirements for health and safety of European Directives.

2014/30/EC EMC DIRECTIVE   2014/35/EC LV DIRECTIVE
2011/65/UE RoHS DIRECTIVE   2009/125/EC (ErP Directive)

With reference to the application of the followinf standards: / Em aplicação das seguintes normas:

2014/30/EC EMC DIRECTIVE	**EN 55014-1:2006 + A1:2009 + A2:2011** **EN 55014-2:1997 + A1:2001 + IS1:2007 + A2:2008 ===> Cat. 2** **EN 61000-3-2:2014** **EN 61000-3-3:2013**
2014/35/EC LV DIRECTIVE	**EN 60335-2-30:2009 + CORR:2010 +A11:2012** **EN 60335-1:2012 +AC:2014 +A11:2014 + A13:2017** **EN 60335-2-43:2004** **EN 62233:2008 +CORR:2008**
2011/65/UE RoHS DIRECTIVE	**EN 62321-1:2013**
2009/125/EC (ErP Directive) **(2005/32/EC)**	**UE 2015/1188**

ECDESIGN TABLE

Models	VERA 500	VERA 750
Heat output		
Nominal heat output (P_{nom})	0.5 kW	0.75kW
Maximum continuous heat output ($P_{max,c}$)	0.5 kW	0.75kW
Auxiliary electricity consumption		
At nominal heat output (el_{max})	0.0005 kW	0.0005 kW
At minimum heat output (el_{max})	0.0005 kW	0.0005 kW
In standby mode (el_{SB})	0.0005 kW	0.0005 kW
Type of heat output/room temperature control:	Electronic room temperature control plus week timer	
Other control options:	Room temperature control, with open window detection. With adaptive start control.	
HERMANOS JULIÁN M., S.L. Oficina: Esposos Curie,44 / Fábrica: Gutenberg,91-93 Polígono Industrial "Los Villares". 37184 Villares de la Reina. Salamanca. España Tf.+34 923 222 277 +34 923 222 282. Fax +34 923 223 397 http://**www.hjm.es**		

RECYCLING (Disposal of the product at the end of its useful life)

According to European Directive **2012/19/UE**, on waste electrical and electronic equipment (WEEE), old electrical household appliances cannot be disposed of in the usual municipal containers; they have to be collected separately to optimise the recycling of the components and materials that comprise it, and reduce the impact on human health and the environment.

The crossed-out wheeled bin is marked on all Electrical and Electronic products, to remind the consumer of their obligation dispose of them separately.

The consumer must contact the local authority or the vendor to learn about the correct disposal of his/her old electrical household appliance.

Fábricado por / Fabricado por

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