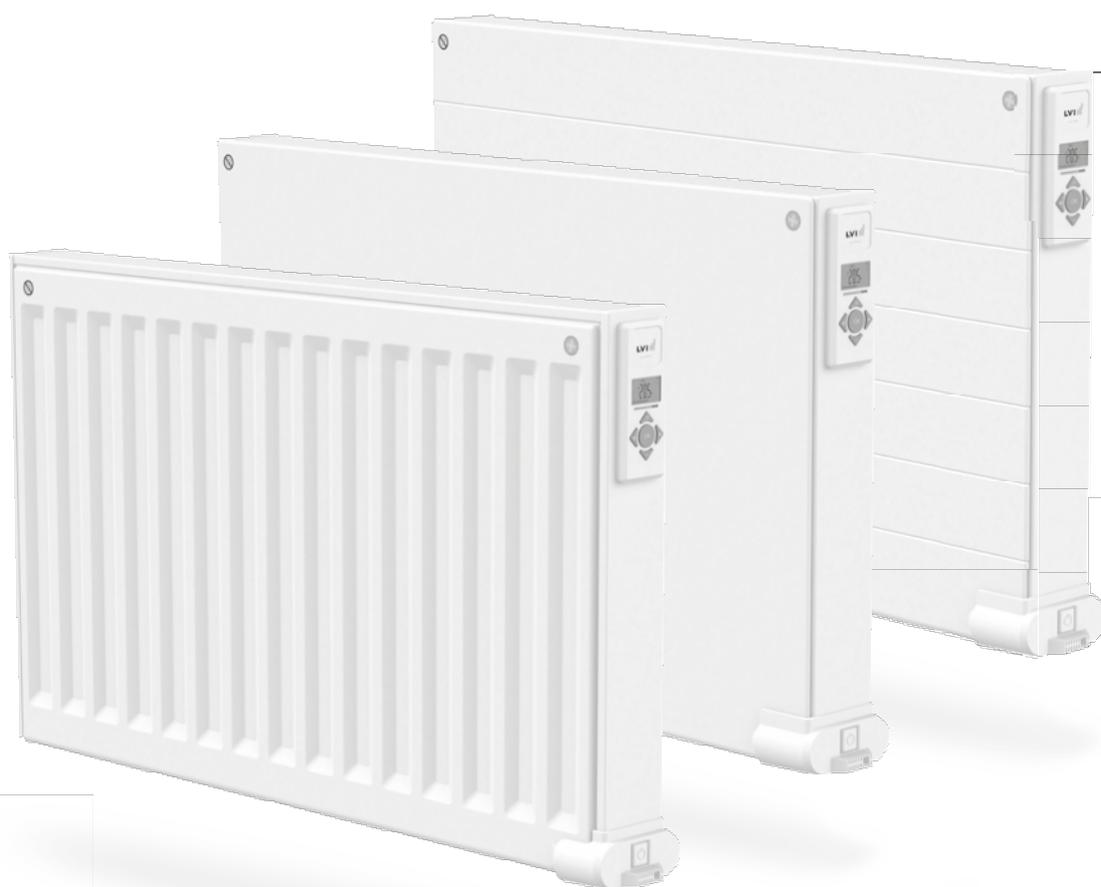


YALI DIGITAL YALI PARADA YALI RAMO

INSTALLATION AND OPERATING MANUAL

A NEW GENERATION THAT TURNS EVOLUTION INTO A REVOLUTION

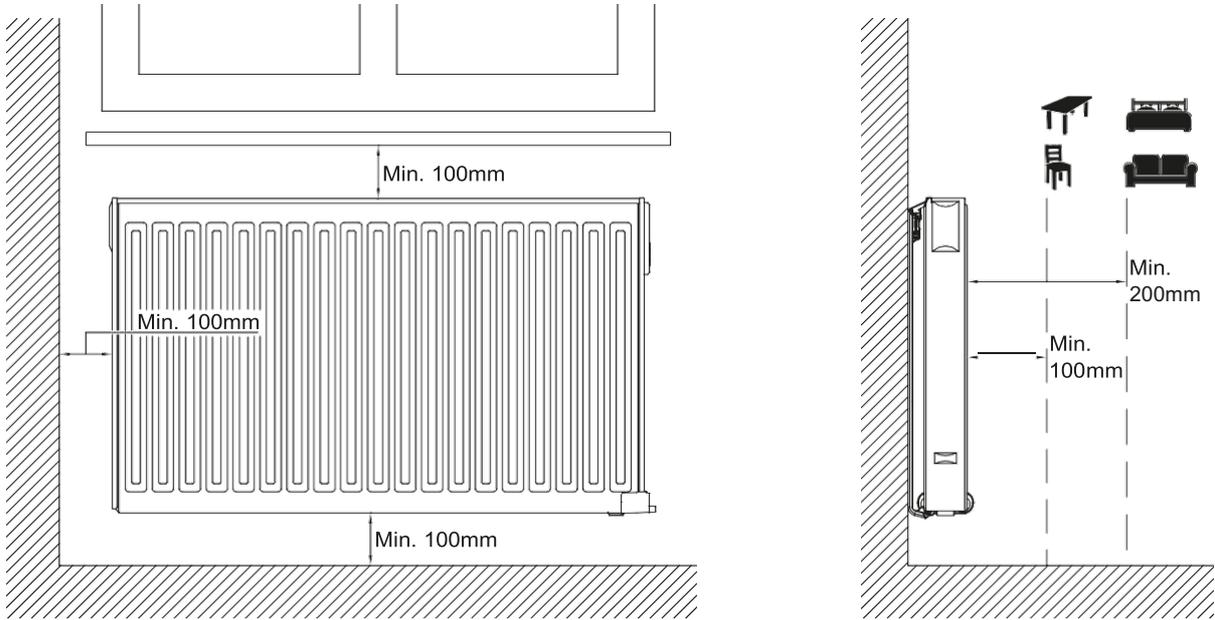
CLASS I - 230V - 50 HZ



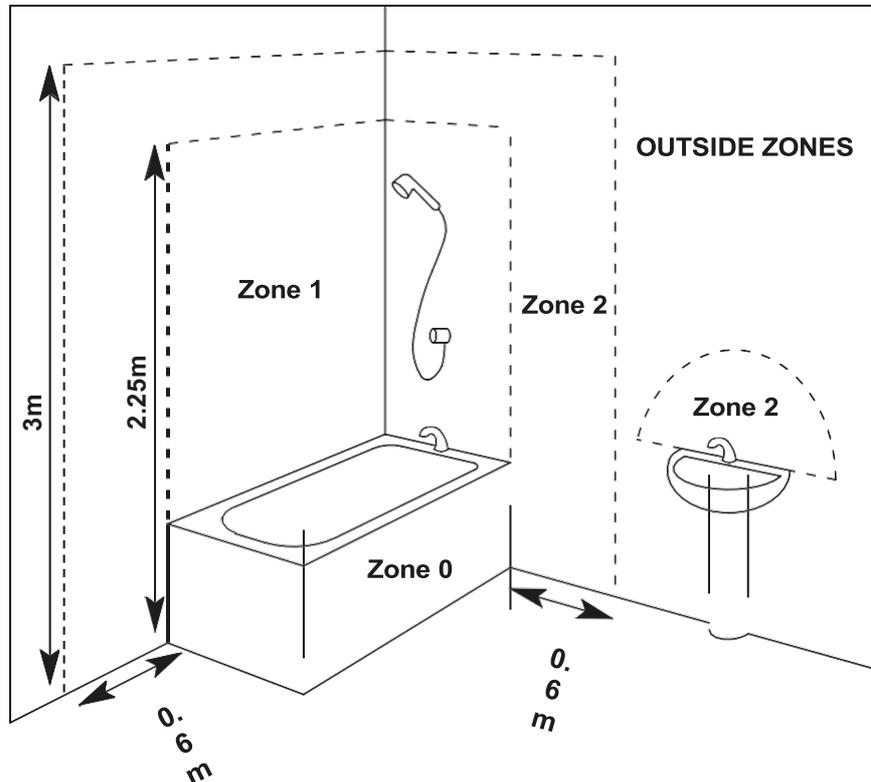
Contents Included:

Yali Digital or Yali Parada Radiator Complete	1
Mounting Brackets	1 set
Ensto Wall box for wiring connection	1
Ensto wall box splash cover	1
Fixing hardware inc bracket clips	1 set
Instruction manual	1

1



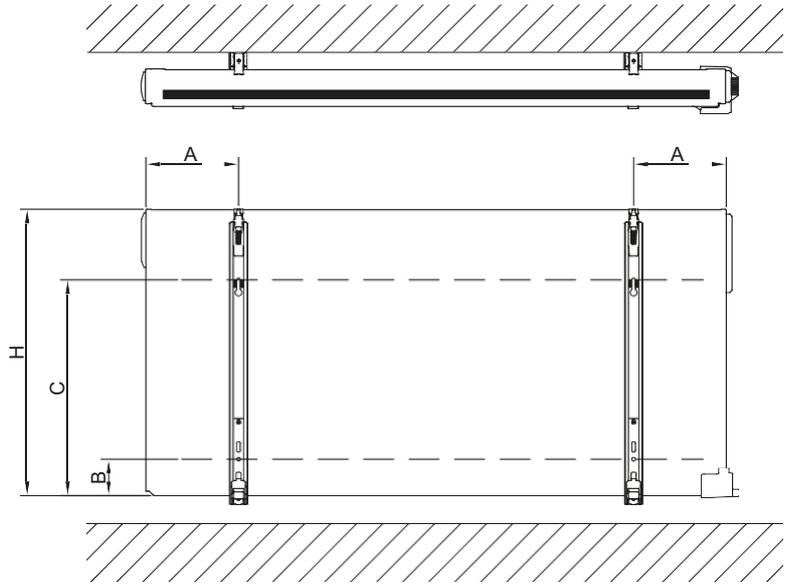
2



3A

SINGLE PANEL YALI DIGITAL RADIATOR

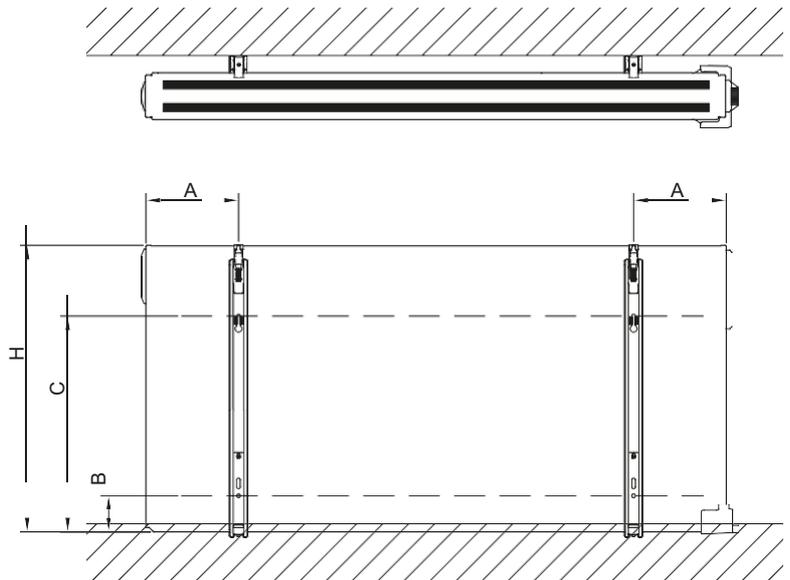
H (mm)	A (mm)	B (mm)	C (mm)
300	100-150	37	173
500	100-150	37	373



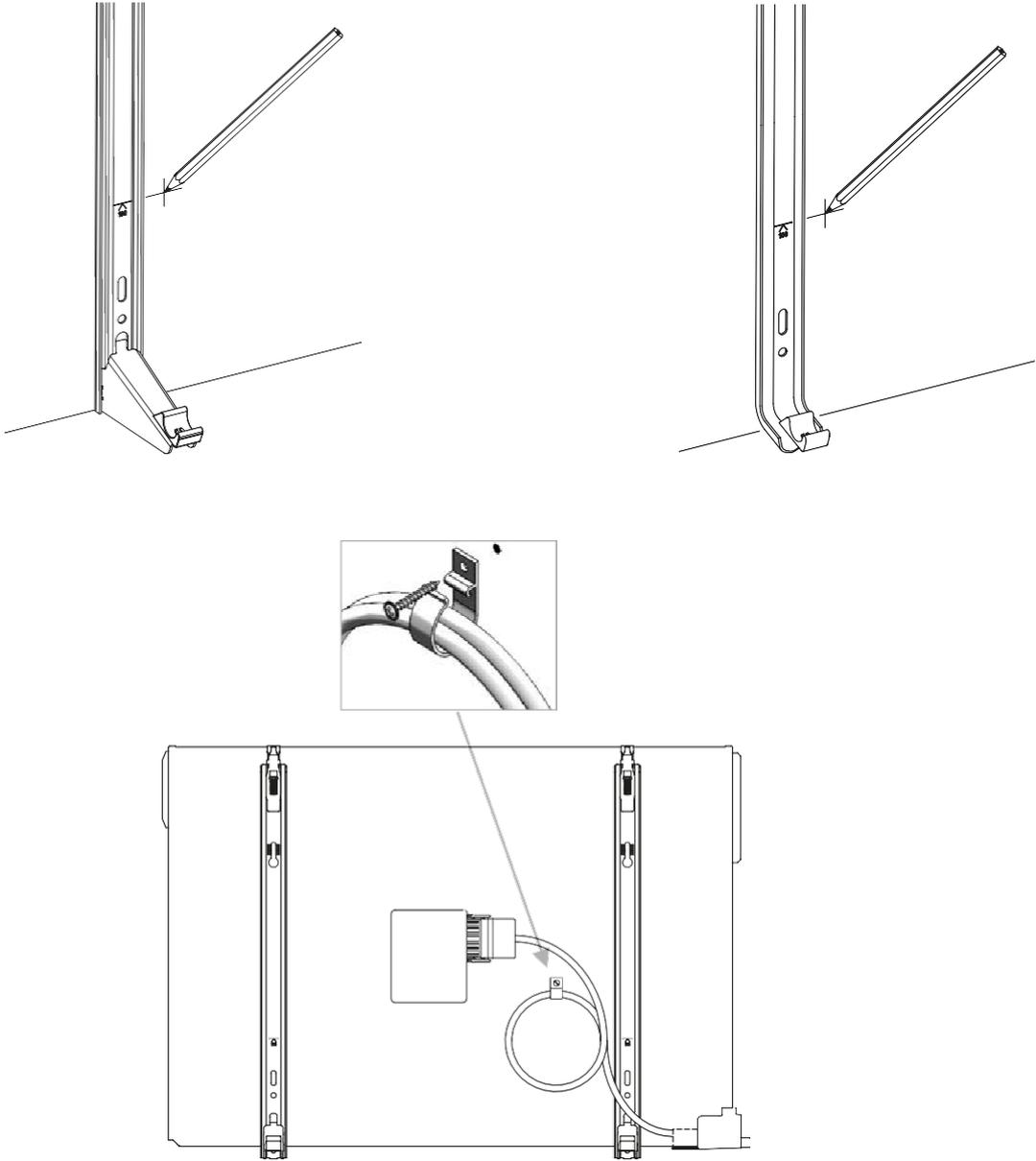
3C

DOUBLE PANEL RADIATOR

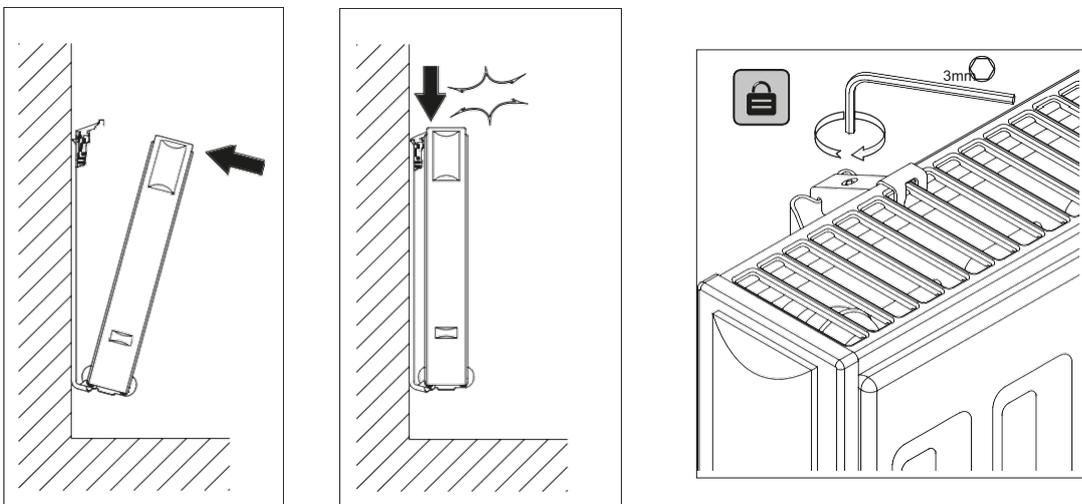
H (mm)	A (mm)	B (mm)	C (mm)
300	100-150	46	173
500	100-150	46	373



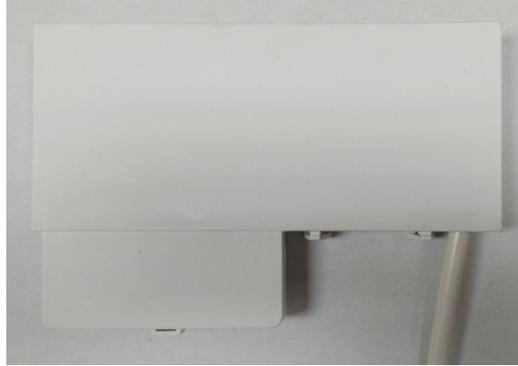
3D



3E

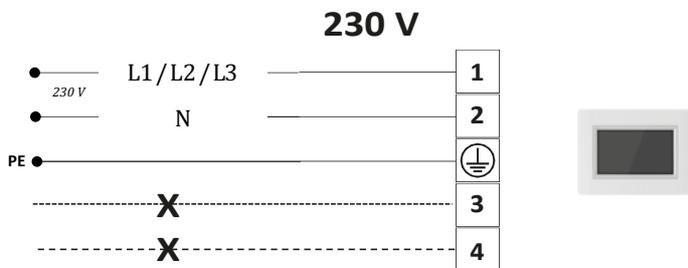


4A

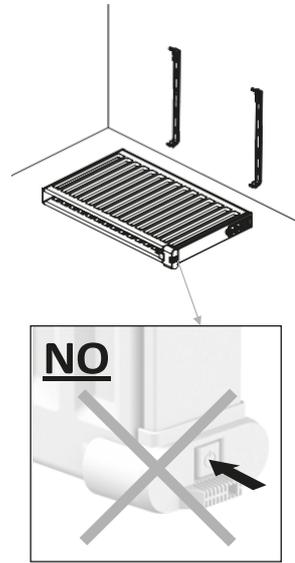
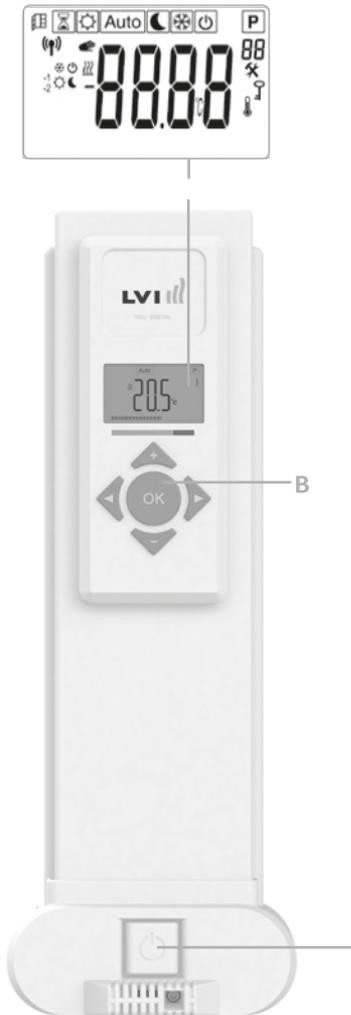


To maintain IP44 rating, Ensto connection box must be installed with associated splash cover as shown above

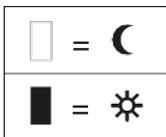
4B



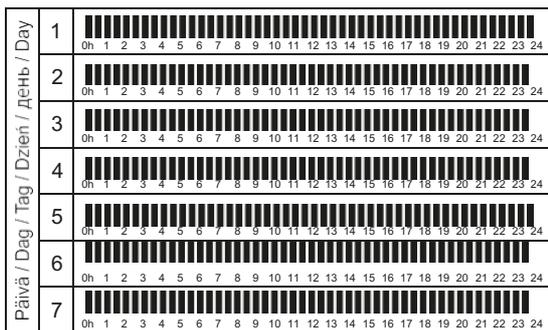
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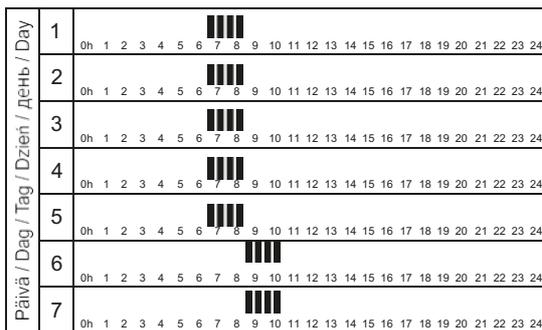
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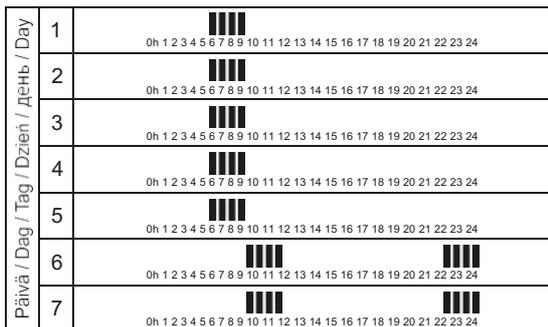
D1



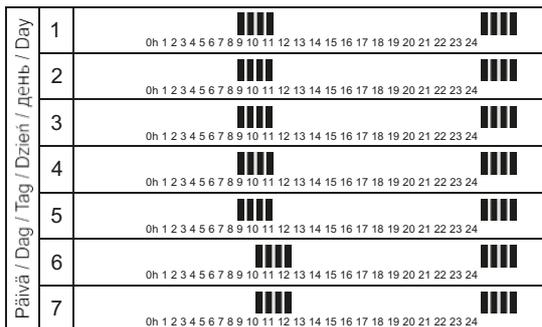
D2



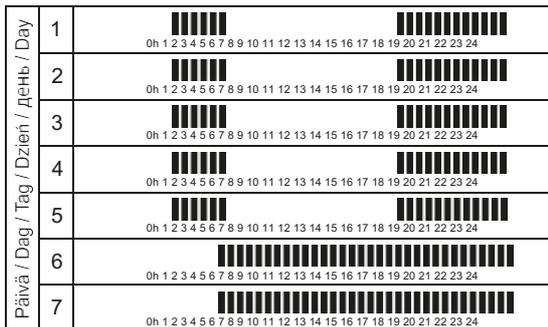
D3



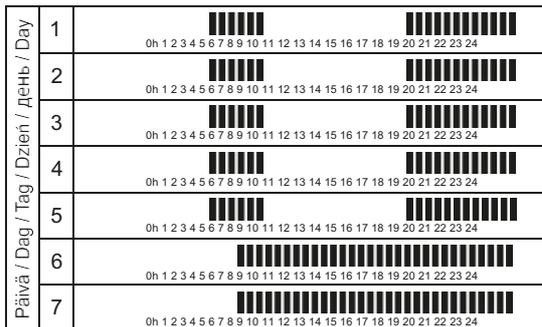
D4



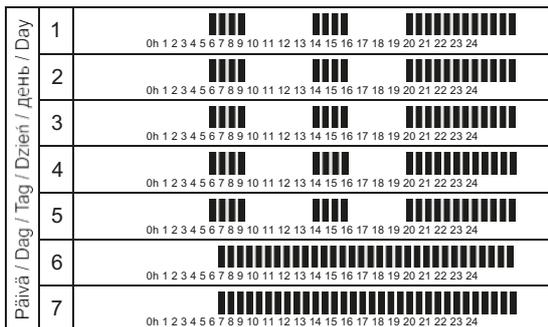
D5



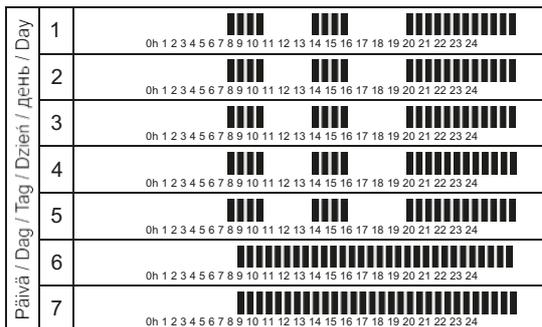
D6



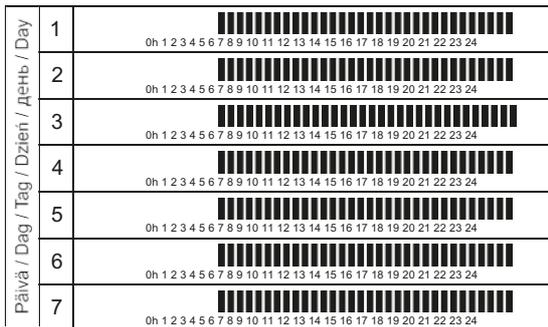
D7



D8



D9



● SAFETY INFORMATION

Due to the safety standard AS/NZS 60335.2.30 and AS/NZS 60335.1 the text below is obligatory for all electric products, not only radiators.

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children unless they are older than 8 and supervised. Keep the appliance and its cord

out of reach of children aged less than 8 years. Children of less than 3 years should be kept away from the unit unless continuously supervised. Children aged from 3 years and less than 8 years shall only switch on/off the appliance provided that it has been placed or installed in its normal operating position and they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children aged from 3 years and less than 8 years shall not plug in, regulate and clean the appliance or perform user maintenance.



● CAUTION

SOME PARTS OF THIS PRODUCT CAN BECOME VERY HOT AND CAUSE BURNS. PARTICULAR ATTENTION HAS TO BE GIVEN WHERE CHILDREN AND VULNERABLE PEOPLE ARE PRESENT. IN ORDER TO AVOID OVERHEATING, DO NOT COVER THE RADIATOR. "DO NOT COVER" MEANS THAT THE RADIATOR MUST NOT BE USED FOR DRYING CLOTHES, FOR EXAMPLE, BY PLACING THEM DIRECTLY ON THE RADIATOR.



● DANGER

WHEN INSTALLED, THIS PRODUCT IS CONNECTED TO 240V MAINS ELECTRICITY. SUPPLY SHOULD BE ISOLATED BEFORE WORKING ON RADIATOR OR THE CONNECTION BOX MOUNTED BEHIND THE RADIATOR.

1. GENERAL INFO

- This appliance is a sealed electric radiator designed for fixed wall-mounted installation.
- This appliance conforms to the Australian standards AS/NZS 60335.2.30 and AS/NZS 60335.1
- The appliance is insulation class I and has electrical protection level IP44 if used with the standard connection box AND the splash-proof cover.
- The product is supplied with wall brackets and screws.
- The product is supplied complete with a connection cable equipped with a 5-pole connector and connection box.
- A separate cable will be supplied for plug in installation.

2. INSTALLATION

POSITIONING

- The radiator must be positioned horizontally in order for it to function correctly.
- Radiator must not be positioned under a electrical socket outlet.
- The radiator must be positioned according to the applicable standards. The minimum distances as specified in picture 1 should be carefully observed.
- The radiator when installed must comply with AS3000 Wiring rules.
- Diagram 2 shows the approximate distances applicable in a bathroom for heater installation.
- The radiator must be fixed to the wall using the wall brackets supplied.

FIXING

- Mark out the distance between the brackets and the positions of the screw holes as shown in the table in picture 3A (single panel YALI D) or 3B (single panel YALI P and YALI R) or 3C (double panel). Note that 2000 mm long products are supplied with extra brackets as a 3rd bracket may be fitted depending on wall construction.

- For the correct installation of radiator's it is essential that the fixing of the radiator is carried out in such a way that it is suitable for intended use AND predictable misuse. A number of elements need to be taken into consideration including the fixing method used to secure the radiator to the wall, the type and condition of the wall itself, and any additional potential forces or weights, prior to finalising installation.
- The fixing materials provided are only intended for installation on walls made of solid wood, bricks, concrete or on timber-frame stud walls where the fixing is directly into the timber. For walls made of other materials, for example hollow bricks; please consult your installer and/or specialist supplier.

In all cases the radiator must be installed by a suitably qualified professional installer or similar tradesperson.

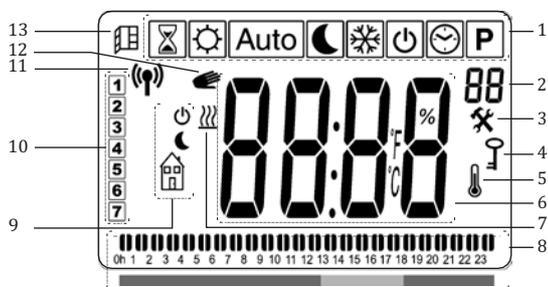
CONNECTION

- The Ensto wall box as shown in Diag E3 is surface mounted behind radiator and electrically connected as per Diag 4A
- To comply with IP44 rating, the splash cover must be fitted over the wall box as per pic 3D
- The electrical installation must comply with local or national regulations.
- The radiator should be connected by a suitable and qualified electrician. Please refer to the wiring diagram in picture 4A for the connection of the radiator.
- The radiator must be connected to the electrical supply using the supply cable fitted to the unit.
- If the radiator is installed in a bathroom or shower room, it must be protected with a residual current device (RCD) with a rated residual current not exceeding 30 mA.
- The radiator is equipped with a non-resettable overheat protection that trips off if the radiator overheats. If the radiator is removed from the wall brackets, even for a short time, it must without exception be switched off, see picture 4B. This may even trip the non-resettable overheat protection. If the overheat protection trips, its thermal fuse must be replaced; contact your supplier.

3. OPERATION

- The On/Off button is located at the bottom of the control side of the radiator (C, picture 5). The radiator should only be switched “on” when it is correctly installed and secured to the wall brackets (picture 3E). When the radiator is switched “on”, the LCD screen will illuminate and all segments will be displayed for a few seconds, then disappear, before displaying the software version. The “Comfort” or previously selected operating mode screen will appear. The backlight will switch off after a further 3 seconds.

• **Display (A, picture 5)**



1. Operating mode menu (active mode is framed).
2. Front panel temperature limit, Parameters number if icon “3” is displayed or selected program number.
3. Installation parameter indicator.
4. “Key lock”function indicator.
5. “Room temperature”indicator.
6. Display zone for temperatures, parameters, or time.
7. “Heating demand”indicator.
8. “Behaviour” indicator or program information bar.
9. “Mode”indicator in “Automatic” mode.
10. Day of weekindicator.
11. “RF connection”indicator (with LVI RF Clock or Touch E3).
12. Hand icon.
13. “Window open”function indicator.

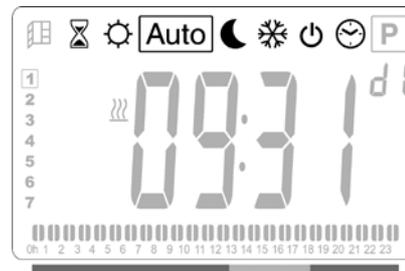
• **Keypad (B, Picture 5)**



- ▶ Right navigation key
- ◀ Left navigation key
- + Plus key
- Minus key
- OK Validation key

GENERAL

HOW TO CHANGE BETWEEN THE OPERATING MODES



- Use the left “◀” or right “▶” navigation keys to move the frame cursor on the desired operating mode and press “OK” to confirm your choice.

HOW TO CHANGE COMFORT, REDUCED, OR FROST PROTECTION SET TEMPERATURES

- By pressing the “+” or “-” keys, the set temperature will start to blink and can be adjusted to the desired temperature level.
- Wait until the new set temperature stops blinking or press the “OK” key to confirm immediately.

NOTE: The comfort temperature setting must always be higher than the reduced temperature setting. If it is not possible to lower the comfort temperature to the desired value, first set the reduced temperature to an even lower value, or, if it is not possible to increase the reduced temperature to the desired value (maximum 19 °C), first increase the comfort temperature.

HOW TO VIEW THE MEASURED ROOM TEMPERATURE



- Press the “OK” key twice. On the first press, the screen will illuminate, and on the second press, the measured room temperature will be displayed together with the room temperature icon, in section 5 of the LCD display.
- The display will return automatically to the active operation mode after 8seconds.

HEATING

- When the radiator is heating, the  in section 7 of the LCD display, is constantly displayed. As the radiator regulates, the  may not always be displayed due to the required heating demand.

STAND ALONE RADIATOR

COMFORT MODE

This mode is to be used during periods of normal occupancy.



- Default value: 19.0°C

REDUCED MODE

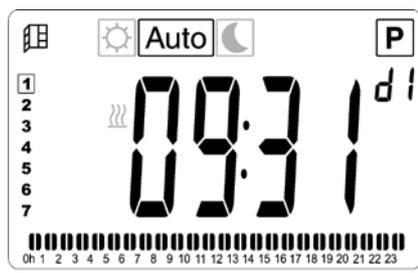
This mode is to be used at night-time or when the house is unoccupied for a few hours or more.



- Default value: 15.5°C

AUTOMATIC MODE

This mode is intended to be used in combination with an external programmer, or the built in programmer. If used without an external programmer, the radiator will follow the selected preset or user defined program.



- Default value: 19.0°C

NOTE: If the time and day has not been set prior to selecting Automatic mode, you will be prompted to set the time (see section 4, 09 hour: TIME SETTING).

NOTE: If connected to an LVI RF Clock or the LVI Touch E3, it is not possible to enter into the time setting mode.

FROST PROTECTION MODE

This mode is to be used when the house is unoccupied for extended periods of time.



- Default value: 7.0°C

STANDBY MODE

In this mode the radiator is switched off and the word "OFF" will be shown on the LCD display.



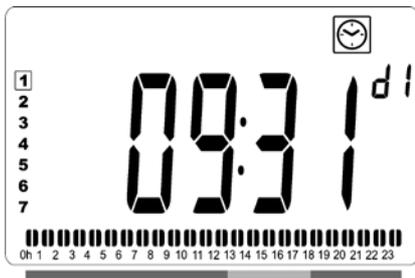
- The radiator will no longer receive signals from a wired or wireless RF Clock.
- At any time you can check the measured room temperature by pressing the "OK" key twice.
- **ATTENTION:** Please be aware, if there is no heating in your property then your pipes could freeze. For the protection of product and property in very low temperatures we recommend the "frost protection" mode is used.
- **ATTENTION:** In this mode the radiators are still connected to the electrical supply.

PROGRAM SELECTION MODE

NOTE: If connected to an LVI RF Clock or the LVI Touch E3, it is not possible to enter into the program selection mode as the clock  symbol is made unavailable.

NOTE: If the time and day has not been set prior to selecting Program Selection mode, you will be prompted to set the time (see section 4, 09 hour: TIME SETTING).

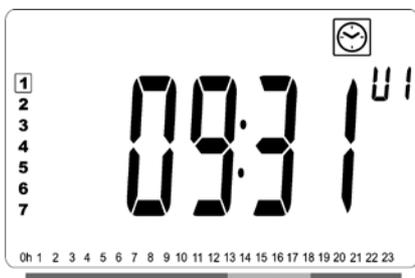
SELECTING A PROGRAM



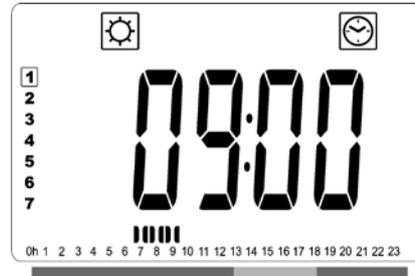
- Use the “+” or “-” keys to select one of the preset programs, d1 to d9 (picture 6), or one of the user definable programs, U1 to U4. The program number will blink. The program sequence for the current day is displayed along the bottom of the screen. Press the “OK” key to confirm the program to be followed.
- When confirmed, the control will return to Automatic.

DEFINING A USER PROGRAM

NOTE: Once saved, the user defined programs are not lost in the event of a power cut. However, the time will reset to 00:00 and day 1 when the power returns, if not set, so the product may not heat at the expected times.

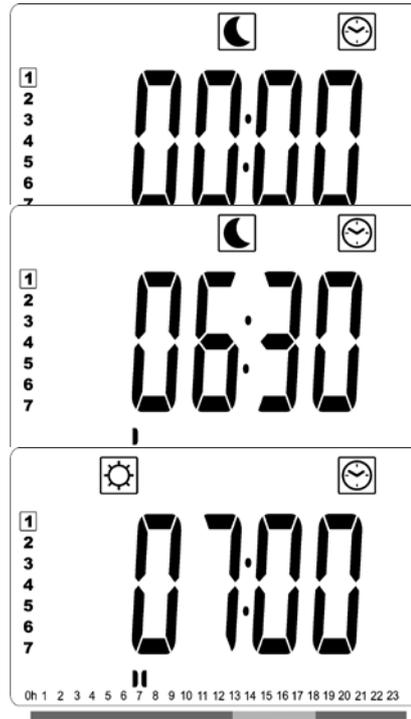


- Use the “+” or “-” keys to select a user definable program, U1 to U4, to be modified, then press and hold the “OK” key for 3 seconds.



NOTE: If a user defined program has already been created and saved, it will be overwritten when the newly defined user program is saved.

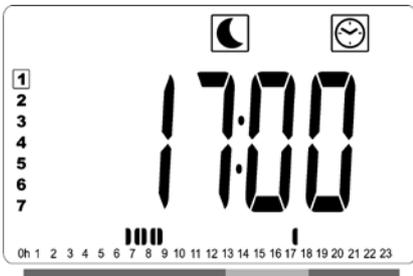
- The above screen will be shown, where the ☾ symbol, the time value 00:00, and the time segment in the program information bar along the bottom of the screen will blink continuously.
- Use the “+” or “-” keys to adjust the time at which the first Reduced period will end.
- As the time indexes, the blinking segment on the program information bar will move horizontally along the time scale according to the time value.
- Press the “OK” key to confirm the time at which the mode will change over from Reduced to Comfort. The ☀ symbol will start to blink instead of the ☾ symbol, signifying the start of this Comfort period.



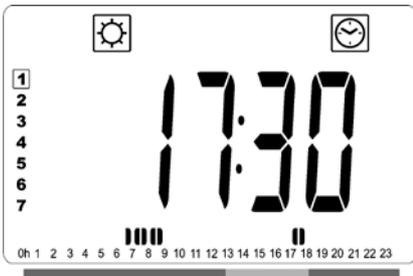
- Use the “+” and “-” keys to adjust the time at which the first Comfort period will end. The segments in the program information bar will populate to show the Comfort period.



- Press the “OK” key to confirm the time at which the mode will change over from Comfort to Reduced. The ☾ symbol will start to blink instead of the ☀ symbol, signifying the start of this Reduced period.



- Use the “+” and “-” keys to adjust the time at which this Reduced period will end.



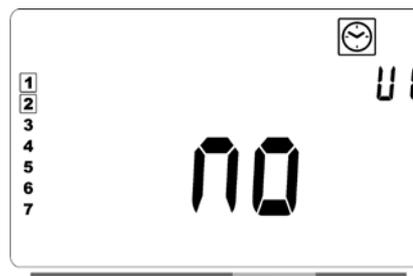
- Press the “OK” key to confirm the time at which the mode will change over from Reduced to Comfort. The ☀ symbol will start to blink instead of the ☾ symbol, signifying the start of this Comfort period.
- Use the “+” and “-” keys to adjust the time at which this Reduced period will end. The segments in the program information bar will populate to show the Comfort period.



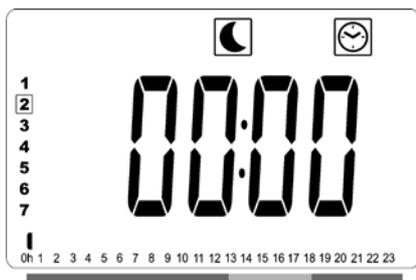
- Press the “OK” key to confirm the time at which the mode will change over from Comfort to Reduced. The ☾ symbol will start to blink instead of the ☀ symbol, signifying the start of this Reduced period.
- If more than two Comfort periods are required, repeat the previous steps.



- When all Comfort periods have been defined, use the “+” key to advance beyond the time “23:30”. The above screen will then be shown, asking if the program that has just been defined for that day is to be copied to the next day.
- To copy the program onto the next day, press the “OK” key. Press the “OK” key for any further days the program is to be copied over to.



- If a different program is to be defined for the next day, press the “+” or “-” key until the word “no” is displayed. Press the “OK” key to confirm.



- The day number will increment to the next day and the time will be set back to “00:00”.



- When all of the days have been defined, the word “**SAVE**” will be displayed. To save the program, press the “**OK**” key to confirm.
- If the program is not to be saved, so that any previously user defined program is not overwritten, press the left “◀” arrow key. The screen will revert back to the Program Selection screen.

NOTE: Radiators must be connected as masters in this case. Each and every radiator must also be defined as master in the parameter menu.

OTHER FUNCTIONS

TIMER FUNCTION

The timer function allows you to override the programmed settings (temperature and operating mode) for a chosen period of time, starting from the moment that the timer function is activated.

- Move the frame cursor to the timer icon.
- Confirm your choice with the “**OK**” key.
- Set the desired temperature using the “+” and “-” keys and confirm with the “**OK**” key.
- Adjust the period using the “+” and “-” keys between 1 hour and 44 days. Confirm with the “**OK**” key.
- The  icon will start to blink and the desired temperature and hand  icon are displayed until the end of the set period.
- If you want to stop the timer before the end of

the set period, select another mode using the left “◀” or right “▶” navigation key and confirm with the “**OK**” key.

FRONT PANEL TEMPERATURE LIMITATION

This power setting can be used to limit the output of the heating element in the front panel and as a consequence will limit the surface temperature of the front panel.

- Move the frame cursor to the power icon .
- Confirm your choice with the “**OK**” key.
- Use the “+” and “-” keys to change the output of the front panel from 100% (Index 3 in section 2 of the LCD - Factory setting) to 70% (Index 2 in section 2 of the LCD) or 55% (Index 1 in section 2 of the LCD) (corresponding to a maximum surface temperature of 90, 75 or 60°C) and confirm with the “**OK**” key.
- The thermostat will return to the “**Comfort**” mode.
- The display will then show in the right upper corner (section 2 of the LCD) the index corresponding to the maximum surface temperature of the front panel.

NOTE: If the radiator is connected to a Touch E3, this setting must be made on the Touch E3, or it will be overwritten by the Touch E3.

NOTE: When considering the permanent use of the radiator at 60°C or 75°C maximum, the following correction factor should be applied for the output.

INDEX IN SECTION 2	SURFACE TEMPERATURE	SINGLE PANEL	DOUBLE PANEL
1	~ 60°C max	~ 0.55	~ 0.80
2	~ 75°C max	~ 0.70	~ 0.90
3	~ 90°C max	1	1

E.g. A 1000 Watt single panel programmed for a maximum surface temperature of 75°C will deliver maximum 700 Watts. A 1000 Watt double panel programmed for a maximum surface temperature of 60°C will deliver maximum 800 Watts. These values should be considered when selecting the number and type of panels to cover the calculated heat losses.

KEY LOCK FUNCTION

Use the Key Lock function to prevent any changes to your settings (in a child's room, public area... etc)

- To activate the Key Lock function, first press and maintain the “OK” key and then simultaneously on the left “◀” and right “▶” navigation keys.
- The key  icon, in section 4 of the LCD display, will be displayed on the screen.
- Repeat the same procedure to unlock the keypad. This function is available in all operating modes.

BEHAVIOUR INDICATOR

This is the bar at the bottom of the LCD display that gives a visual indication of how much energy the current temperature setting is using i.e.

Red = high

Orange = medium

Green = low energy consumption

As you increase the temperature setting, the behavior indicator “bar” in section 8 of the LCD display, will

increase in length. The opposite applies when decreasing the temperature setting.

NOTE: The behavior indicator is replaced by the program information bar when in Automatic mode.

4. PARAMETER MENU

The thermostat has a parameter menu. In order to enter this menu, press and hold the “OK” key for 6 seconds until , in section 3 of the LCD display, and “rFi” is displayed on the screen.

Parameters can be selected using the left “◀” and right “▶” navigation keys. Once the required parameter is displayed, press the “OK” key. Modify the parameter settings with the “+” or “-” keys and confirm your adjustment with the “OK” key.

To exit the parameter menu, choose the parameter “END” and press the “OK” key.

DEFAULT VALUE & OTHER POSSIBILITIES

00 rFi: WIRELESS RADIO INITIALIZATION(PAIRING)

Press “OK” to enter this initialization sequence. Select with “+” or “-” the radio communication type and confirm by pressing the “OK” key:

- **rF.un:** unidirectional communication - the digital thermostat only receives orders from an LVI RF Clock.
- **rF.bi:** bidirectional communication with an LVI Touch E3. The digital thermostat communicates state and power consumptions to the LVI Touch E3.

Then the backlight will switch off and the digits will cycle showing that the digital thermostat is waiting for a radio link signal from a LVI RF Clock or LVI Touch E3 to be received (press “◀” to cancel radio initialization). When the radio link signal is received, pairing is saved, then it will return to Auto mode.

NOTE: Pairing between the devices can be very quick where cycling of the digits may not be seen.

01 dEG: TYPE OF DEGREES DISPLAYED

Press “OK” to enter this parameter. Select with “+” or “-” and confirm by pressing the “OK” key:

°C = Celsius

°F = Fahrenheit

02 ___ : CALIBRATION OF THE INTERNAL PROBE

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 1.5m distance from the floor (like the thermostat) and check the real temperature in the room after 1 hour.

When you enter the calibration parameter screen the actual temperature value is displayed.

To enter the value shown on the thermometer, use the “-” or “+” keys to enter the real value. At this point the hand  icon, in section 12 of the LCD display, will be displayed and the value will blink. Press the “OK” key to confirm and save. If you need to erase a calibration already saved use the “-” or “+” keys to alter the value, even just by 1°C, then press the left “◀” navigation key. The hand symbol will disappear and the factory calibrated temperature reading will be displayed.

NOTE: Only the heating elements (including slave radiators) managed by the thermostat must be used during the calibration process. Do not have a secondary heat source in the same room for a period of 24 hours before hand.

03 SrC : SEQUENTIAL CONTROL OF FRONT AND BACK PANEL

NOTE: This feature is only applicable to double panel radiators.

Press “OK” to enter this parameter. Select with “+” or “-” and confirm by pressing the “OK” key:

no: Sequential control function disabled (Front=Back).

YES: Sequential control function enabled. Heat output is prioritized to the front panel to maximize radiant heat.

Thus, the “back” heating element will activate if the temperature is one degree below the set point, acting as a booster.

NOTE: The rear panel temperature can be considerably lower than the front panel when this function is enabled.

04 SOFTWARE VERSION

Displays the software version of the digital thermostat.

05 Wind: OPEN WINDOW DETECTION

(the text “Wind” is displayed)

Press the “OK” key to enter this parameter. Select with “+” or “-” and confirm by pressing the “OK” key:

no: open window detection function disabled.

YES: open window detection function enabled.

The , in section 13 of the LCD display, is constantly displayed.

This function will switch the radiator from any active mode to “Frost Protection” mode when an open window is detected (room temperature drops within a certain time). The open window icon  will start to blink, and continue to blink as long as the function is active.

To return to the previous or automatic mode, press the “OK” key twice. If the radiator detects that the window has been closed (room temperature increases within a certain time), it will return automatically to the previous or automatic operation mode.

06 ItCS: ADAPTIVE START

Press the “OK” key to enter this parameter. Select with “+” or “-” and confirm by pressing the “OK” key:

no: adaptive start function disabled. Heating up to reach the Comfort set temperature will start at the programmed time.

YES: adaptive start function enabled. Heating up will start at the predicted optimal time to reach the Comfort set temperature at the programmed time.

NOTE: Heating start times will vary for each heating period when this function is enabled.

07 CLr: FACTORY SETTING

Press and hold the “OK” key for 6 seconds to reset Set point temperatures and all user parameters in this menu to factory default settings.

NOTE: Pairing with the LVI RF Clock or Touch E3 will be lost. The screen will go blank, the LCD screen will illuminate and all segments will be displayed for a few seconds, then disappear, before displaying the software version. The “Comfort” mode screen will appear.

08 Hour: TIME SETTING

NOTE: If power is lost, from a power cut or the product is switched off, even just for a few seconds, the time and day setting will be lost.

NOTE: If connected to an LVI RF Clock or the LVI Touch E3, setting the time will not have any influence on the function of the product.

- The hour value will blink. Adjust the hour value by pressing the “+” or “-” keys, then confirm by pressing the “OK” key.
- The minute value will blink. Adjust the minute value by pressing the “+” or “-” keys, then confirm by pressing the “OK” key.
- The day values, in section 10 of the LCD display, will blink. Adjust the day value by pressing the “+” or “-” keys, then confirm by pressing the “OK” key.
- The “Comfort” mode or previously selected operating mode screen will appear.

NOTE: If the time is not set within 60 seconds, the “Comfort” mode screen will appear.

09 End: EXIT THE PARAMETER MENU

Press the “OK” key to exit installation parameter menu and return to normal operation.

5. MAINTENANCE, REPAIR AND DISPOSAL

- **WARNING:** Disconnect electrical supply before carrying out any maintenance activity.
- The product should be cleaned using a soft damp cloth. Do NOT use chemical or abrasive cleaners as they will damage the surface finish.
- The radiator is equipped with overheat protection that cannot be reset (melt fuse). This overheat protection disconnects the current if the radiator becomes too hot (e.g. when covered).
- If the supply cord is damaged, it must be replaced by the manufacturer, a service agent or similar qualified persons in order to avoid a hazard.
- The radiator is filled with an precise amount of environmental friendly vegetable oil. Any repairs that require the radiator to be opened shall therefore only be carried out by the manufacturer or an approved agent.
- In case of oil leakage contact the manufacturer or service agent.
- When the radiator reaches the end of its service life follow the regulations concerning the disposal of oil.

6. WARRANTY

The product is covered by a 10 years warranty except for the electrical and electronic components that are covered by a 2 year warranty.

TECHNICAL CHARACTERISTICS

SETTING TEMPERATURE RANGE - Comfort mode - Reduced mode - Frost protection mode	+5.5°C to +30.0°C, must be higher than the reduced mode setting. +5.0°C to +19.0°C, must be lower than the comfort mode setting. +5.0°C to +10.0°C.
ELECTRICAL INSULATION	Class I
ELECTRICAL PROTECTION	• IP44 when installed with connection box with splash proof cover.
POWER SUPPLY	230 VAC – 50 Hz
RF-SIGNAL RANGE	~15 m (depending on building construction)
DIRECTIVES & STANDARDS: The product has been designed to comply with the following Directives and Standards.	<ul style="list-style-type: none"> • AS/NZS 60335.2.30 and AS/NZS 60335.1 • EN60730-1, EN 60335-1, EN 60335-2-30, EN 62233, EN 55014-1 • EN 55014-2, EN61000-3-2, EN 61000-3-3, EN 60529, LV Directive 2014/35/EU • EMC Directive 2014/30/EU, RED Directive 2014/53/EU, • RoHS Directive 2011/65/EU, ECO Directive 2009/125/EC