

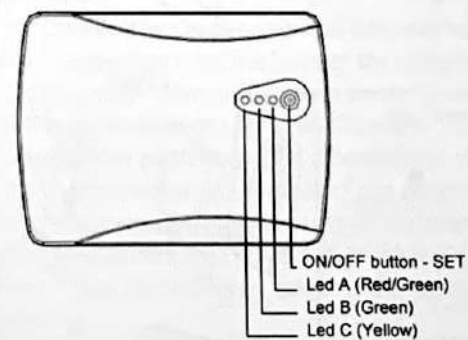
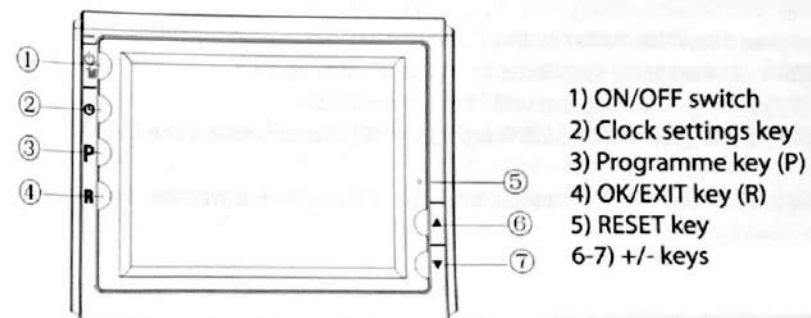
PROGRAMMABLE THERMOSTAT WIRELESS

6 programs

Mod. 93003101

Read the manual carefully and keep it for future reference

Description of keys in wireless and fixed units



Installation and synchronisation

The installation of the appliance must be carried out by qualified personnel in accordance with current standards and legislation.

- Disconnect the power supply.

- Cover or insulate any live components.

- Make sure that no power is restored until the installation is complete.



- 1) Remove lock screw and cover from the base of the fixed unit (Fig. 1-2).
- 2) Decide where the fixed unit will be positioned, taking into account that it requires a power supply of 220V and must be connected to the wires coming from the boiler, which must pass through the two dedicated openings. Drill a hole in the wall, insert the dowels and secure using the supplied screws (Fig.3).
- 3) Pass the power cables and those coming from the boiler through the inside of the base, connect the 2 wires coming from the boiler to the COM and NO terminals and the two power cables to the POWER L (2) and N (3) terminals as shown in the figure (Fig.4).
- 4) Replace the cover on the base and secure it with the screw (Fig.5).
- 5) Power up the fixed unit and check that LED A lights up RED steady when the On/Off button is pressed.
- 6) Detach the coupling plate from the thermostat and insert 2 alkaline batteries (2x1.5V AA) paying attention to polarity (Fig.6).



Fig.1

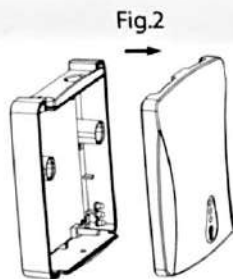


Fig.2

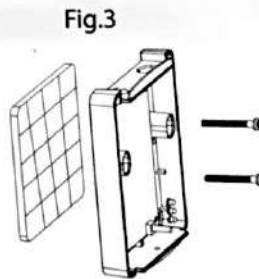


Fig.3

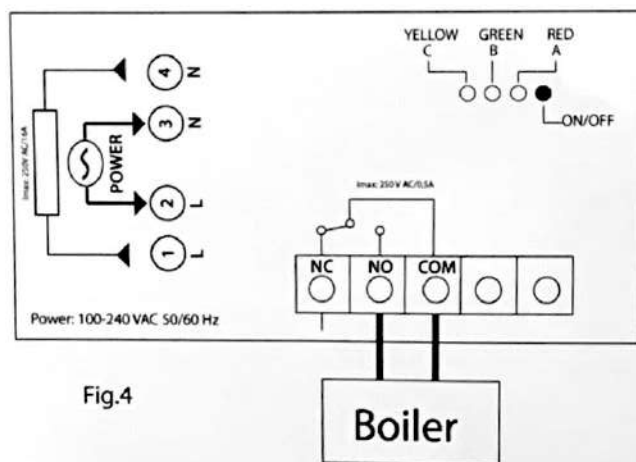


Fig.4

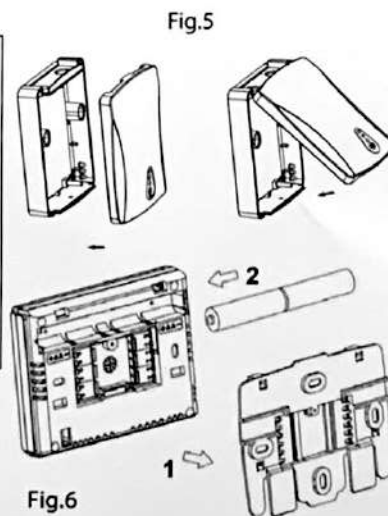


Fig.5

Fig.6

To synchronise the two units, proceed as follows:

- a) Make sure the fixed unit is turned off.
 - b) Press and hold the ON/OFF key on the fixed unit for approximately 5 seconds until LED C lights up in YELLOW, then release it.
 - c) Make sure the wireless unit is turned off, then press and hold key R for approximately 6 seconds.
 - d) If the procedure is successful, LED C (YELLOW) on the fixed unit will flash 5 times.
- If not, repeat the steps from point b).

To check that the two units are properly synchronised, carry out the following test:

- 1) Turn on both the fixed unit (RED LED on) and wireless unit
- 2) On wireless unit press ▲ key until the value of the temperature shown is higher than the room temperature. A boiler ON signal will be sent to the fixed unit, which will subsequently be enabled, indicated by the flashing YELLOW LED with the GREEN LED ON.
- 3) Then press ▼ key on the wireless unit until the value of the temperature shown is lower than the air temperature. A boiler OFF signal will be sent to the fixed unit, indicated by the flashing YELLOW LED and the unit GREEN LED OFF.

Once the position of the wireless unit has been decided, it is recommended to use this test to check that the distance between the two units is not excessive (thick or metal walls may reduce the effective operating distance) and that there are no nearby devices that may interfere with the performance of the wireless system.

The wireless unit can be positioned on either a wall or mobile support:

Fixed installation:

- Align the coupling plate with the wall box and screw (Fig.7).
- Align the 2 upper holes on the back of the programmable thermostat with the 2 upper hooks of the coupling plate, then gently press on the lower plastic edge of the programmable thermostat until the stops click into place and block it.

Mobile support for positioning on a horizontal surface:

- Align the 2 upper holes on the back of the programmable thermostat with the 2 upper hooks of the coupling plate, then gently press on the lower plastic edge of the programmable thermostat until the stops click into place and block it (Fig.8).
- Align the 2 tabs on the lower edge of the plate with the corresponding slots in the mobile support (Fig.9)

Fig.7

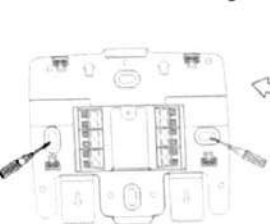


Fig.8

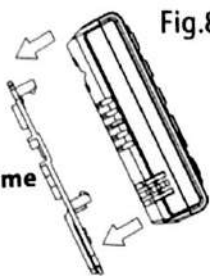
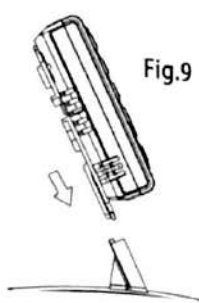


Fig.9



Press and release the **clock** key, the minutes will flash, set using the arrows.
 Press the **clock** key again and set the time.
 Press the **clock** key again and set the day of the week.
 Press **R** to exit and save

Menu configuration

It is possible to choose between 3 different types of automatic programming (**7 separate days**, **5 working days+Sat+Sunday** or **5 working days+week end**) and for each of the 3 types of programming you can decide whether to use **6 daily phases** (Morning, Exit, Lunch, Exit, Return, Night) or **4 daily phases** (Morning, Exit, Return, Night).

Refer to the diagrams on page 6 and choose the type of programming you want before entering the menu configuration.
 For the first time use, it is advisable to modify only the values in menus 7 and 8.

1) To enter Menu configuration, **make sure the programmable thermostat is turned off (System OFF)**

tem OFF)



2) Press and hold button **P** for about 3 sec. to enter the configuration menu.

- **P** : to go to the next menu item

- **▼ o ▲** : to change the value

- **R** : to exit the menu

Previously set values will be automatically saved on exit.

If no key is pressed for 30 sec. the device will automatically exit the configuration menu.

To reset the values in the menu to the factory settings, press and hold down the **R** button for about 3 seconds while in the configuration menu, the message **DEF** will flash on the display, after which it will return to the first item in the menu and reset the values to the default settings (indicated in the display column in brackets).

Menu

Menu	Key	Display	▼ o ▲	Description
1	P	CL (0)	-4 --- +4	Calibration range for air temperature*
2	P	AH (35.0)	20°C (68°F) - 35°C (95°F)	Max. detectable air temperature value **
3	P	AL (5.0)	5°C (41°F) - 20°C (68°F)	Min. detectable air temperature value **
4	P	FC (C)	C/F	Degrees Centigrade (°C) or Fahrenheit (°F)
5	P	bl (05)	00/05/15	Backlight duration 0/5/10/15 sec.
6	P	db (0.5)	0.5-3.0	Thermal differential (tolerance range of the progr. thermostat for switching on/off)
7	P	PS1 (7)	0/2/3/7	Programme type (p. 4): 7: 7 separate days 3: 5+1+1 (weekdays + Sat + Sun) 2: 5+2 (weekdays + Sat/Sun) 0: Not programmable
8	P	PS2 (6)	4/6	Daily phases (pg.4): 4 daily phases 6 daily phases
9	P	OC (24)	12/24	Clock mode 12/24 h
10	P	ES (OFF)	On/OFF	Smart power on option On/Off
11	P	cod	0000	Keypad lock code

* If necessary, the temperature measured by the programmable thermostat can be calibrated.

E.G:

Temperature detected by the programmable thermostat: 20 C°

Temperature considered correct: 21 C°

Increase the CL value from 0 to +1

Temperature detected by the programmable thermostat: 20 C°

Temperature considered correct: 19 C°

Decrease the CL value from 0 to -1.

DO NOT CHANGE THESE VALUES: these are the MAX and MIN temperatures that the programmable thermostat can detect and NOT the desired temperature for the programming







Automatic Programming (Selection of programme type)

The programme type is set during configuration in menus 7 and 8.

Check the following diagrams to decide which type of programming is best suited to your needs. The schemes are indicative, times and temperatures can be customised during programming. Once one of the following programme has been selected, proceed to personalise the selected programme using menus 7 and 8.





A) 7 days - 6 phases (Set values in the menus: menu 7= 7; menu 8= 6)

Using this programme, it is possible to customise all 7 days of the week differently and each day you can set 6 phases of the day with different temperatures:

	Mattino  Wake		Uscita  Leave		Pranzo  Noon in		Uscita  Noon out		Rientro  Return		Notte  Sleep	
	Ora	°C	Ora	°C	Ora	°C	Ora	°C	Ora	°C	Ora	°C
Monday	6:00	21°C	8:00	16,5°C	12:00	21°C	14:00	16,5°C	18:00	21°C	22:00	16,5°C
Tuesday	6:00	21°C	8:00	16,5°C	12:00	21°C	14:00	16,5°C	18:00	21°C	22:00	16,5°C
Wednesday	6:00	21°C	8:00	16,5°C	12:00	21°C	14:00	16,5°C	18:00	21°C	22:00	16,5°C
Thursday	6:00	21°C	8:00	16,5°C	12:00	21°C	14:00	16,5°C	18:00	21°C	22:00	16,5°C
Friday	6:00	21°C	8:00	16,5°C	12:00	21°C	14:00	16,5°C	18:00	21°C	22:00	16,5°C
Saturday	6:00	21°C	8:00	16,5°C	12:00	21°C	14:00	16,5°C	18:00	21°C	22:00	16,5°C
Sunday	6:00	21°C	8:00	16,5°C	12:00	21°C	14:00	16,5°C	18:00	21°C	22:00	16,5°C

B) 7 days - 4 phases (Set the values in the menus: menu 7= 7; menu 8= 4)







Using this programme, it is possible to customise all 7 days of the week differently and each day you can decide on 4 phases of the day with different temperatures:

	Mattino  Wake		Uscita  Leave		Rientro  Return		Notte  Sleep	
	Ora	°C	Ora	°C	Ora	°C	Ora	°C
Monday	6:00	21°C	8:00	16,5°C	18:00	21°C	22:00	16,5°C
Tuesday	6:00	21°C	8:00	16,5°C	20:00	21°C	22:00	16,5°C
Wednesday	6:00	21°C	8:00	16,5°C	18:00	21°C	22:00	16,5°C
Thursday	6:00	21°C	8:00	16,5°C	20:00	21°C	22:00	16,5°C
Friday	6:00	21°C	8:00	16,5°C	18:00	21°C	22:00	16,5°C
Saturday	6:00	21°C	8:00	21°C	18:00	21°C	22:00	16,5°C
Sunday	6:00	21°C	8:00	21°C	18:00	21°C	22:00	16,5°C

C) Weekdays+Sat+Sun (5+1+1) - 6 phases (Set values in the menus: menu 7=3 ; menu 8= 6)

Using this programme, it is possible to set a single programming for weekdays and 2 separate programming for Saturdays and Sundays.





For each programme you can set 6 phases of the day with different temperatures.

	Mattino  Wake		Uscita  Leave		Pranzo  Noon in		Uscita  Noon out		Rientro  Return		Notte  Sleep	
	Ora	°C	Ora	°C	Ora	°C	Ora	°C	Ora	°C	Ora	°C
Monday	6:00	21°C	8:00	16,5°C	12:00	21°C	14:00	16,5°C	18:00	21°C	22:00	16,5°C
Tuesday	6:00	21°C	8:00	16,5°C	12:00	21°C	14:00	16,5°C	18:00	21°C	22:00	16,5°C
Wednesday	6:00	21°C	8:00	16,5°C	12:00	21°C	14:00	16,5°C	18:00	21°C	22:00	16,5°C
Thursday	6:00	21°C	8:00	16,5°C	12:00	21°C	14:00	16,5°C	18:00	21°C	22:00	16,5°C
Friday	6:00	21°C	8:00	16,5°C	12:00	21°C	14:00	16,5°C	18:00	21°C	22:00	16,5°C
Saturday	6:00	21°C	8:00	21°C	12:00	21°C	14:00	21°C	18:00	21°C	22:00	16,5°C
Sunday	6:00	21°C	8:00	21°C	12:00	21°C	14:00	21°C	18:00	21°C	22:00	16,5°C

D) Weekdays+Sat+Sun (5+1+1) - 4 phases (Set the values in the menus: menu 7=3 ; menu 8= 4)

Using this programme, it is possible to set a single programming for weekdays and 2 separate programming for Saturdays and Sundays.







For each programme you can decide on 4 phases of the day with different temperatures.

	Mattino  Wake		Uscita  Leave		Rientro  Return		Notte  Sleep	
	Ora	°C	Ora	°C	Ora	°C	Ora	°C
Monday	6:00	21°C	8:00	16,5°C	18:00	21°C	22:00	16,5°C
Tuesday	6:00	21°C	8:00	16,5°C	18:00	21°C	22:00	16,5°C
Wednesday	6:00	21°C	8:00	16,5°C	18:00	21°C	22:00	16,5°C
Thursday	6:00	21°C	8:00	16,5°C	18:00	21°C	22:00	16,5°C
Friday	6:00	21°C	8:00	16,5°C	18:00	21°C	22:00	16,5°C
Saturday	6:00	21°C	8:00	21°C	18:00	21°C	22:00	16,5°C
Sunday	6:00	21°C	8:00	21°C	18:00	21°C	22:00	16,5°C

E) Weekdays+Sat/Sun (5+2) - 6 phases (Set the values in the menus: menu 7=2 ; menu 8= 6)

Using this programme, it is possible to set a single programming for weekdays and a single programming for Saturdays and Sundays.





For each programme you can decide on 6 phases of the day with different temperatures.

	<i>Mattino</i>  Wake		<i>Uscita</i>  Leave		<i>Pranzo</i>  Noon in		<i>Uscita</i>  Noon out		<i>Rientro</i>  Return		<i>Notte</i>  Sleep	
	Ora	°C	Ora	°C	Ora	°C	Ora	°C	Ora	°C	Ora	°C
Monday	6:00	21°C	8:00	16,5°C	12:00	21°C	14:00	16,5°C	18:00	21°C	22:00	16,5°C
Tuesday	6:00	21°C	8:00	16,5°C	12:00	21°C	14:00	16,5°C	18:00	21°C	22:00	16,5°C
Wednesday	6:00	21°C	8:00	16,5°C	12:00	21°C	14:00	16,5°C	18:00	21°C	22:00	16,5°C
Thursday	6:00	21°C	8:00	16,5°C	12:00	21°C	14:00	16,5°C	18:00	21°C	22:00	16,5°C
Friday	6:00	21°C	8:00	16,5°C	12:00	21°C	14:00	16,5°C	18:00	21°C	22:00	16,5°C
Saturday	6:00	21°C	8:00	21°C	12:00	21°C	14:00	21°C	18:00	21°C	22:00	16,5°C
Sunday	6:00	21°C	8:00	21°C	12:00	21°C	14:00	21°C	18:00	21°C	22:00	16,5°C

F) Weekdays+Sat/Sun (5+2) - 4 phases (Set the values in the menus: menu 7=2 ; menu 8= 4)

Using this programme, it is possible to set a single programming for weekdays and a single programming for Saturdays and Sundays.

For each programme you can decide on 4 phases of the day with different temperatures.



	<i>Mattino</i>  Wake		<i>Uscita</i>  Leave		<i>Rientro</i>  Return		<i>Notte</i>  Sleep	
	Ora	°C	Ora	°C	Ora	°C	Ora	°C
Monday	6:00	21°C	8:00	16,5°C	18:00	21°C	22:00	16,5°C
Tuesday	6:00	21°C	8:00	16,5°C	18:00	21°C	22:00	16,5°C
Wednesday	6:00	21°C	8:00	16,5°C	18:00	21°C	22:00	16,5°C
Thursday	6:00	21°C	8:00	16,5°C	18:00	21°C	22:00	16,5°C
Friday	6:00	21°C	8:00	16,5°C	18:00	21°C	22:00	16,5°C
Saturday	6:00	21°C	8:00	21°C	18:00	21°C	22:00	16,5°C
Sunday	6:00	21°C	8:00	21°C	18:00	21°C	22:00	16,5°C

Automatic Programming (programme customization)

By default, the programmable thermostat has a Max. Temp. setting of 21°C and Min. Temp. setting of 16.5°C. These temperatures can be changed during the various phases.

Temp. Max is the temperature desired in the home during the heating phase.

Temp. Min is the minimum temperature desired in the home outside the heating phase.

-  
 - 1) Turn on the thermostat
 - 2) Press and release button P to enter programming mode.
 - 3) The day Mon (if programming for 7 days has been selected) or the group of days (Mon, Tue, Wed... if programming for 5 working days has been selected) of the week will start to flash, confirm with key P
 - 4) Use the arrows to change the boiler start-up time in the first phase (Morning/Wake) and confirm with key P
 - 5) Set the desired Maximum Temperature and confirm by pressing P
 - 6) Use the arrows to set the boiler shutdown time in the second phase (Exit/Leave) and confirm by pressing P
 - 7) Set the desired Minimum Temperature and confirm by pressing P
 - 8) Repeat the procedure for the following phases (lunch, return, night....) of the next day (if the 7-day mode was chosen) or of the group of days (if the 5+1+1 or 5+2 mode was chosen).
 - 9) To exit and save, press the R button.

Programmable thermostat is now set and ready for use

Programming can be manually changed in 2 ways :

TEMPORARY mode:

With the programmable thermostat on, press ▼ or ▲ the writing "Temporary Hold" will appear on the display, press ▼ or ▲ and select the desired temperature.

The programmable thermostat will maintain selected temperature until the daily phase switches over, after which it will automatically return to the pre-set programme, with the writing "Using Schedule" shown on the display.

To exit the temporary mode before the daily phase has changed, press and release R button.

PERMANENT mode:

With the programmable thermostat on, press and hold P button until the display shows "Permanent Hold", press ▼ or ▲ and select the desired temperature.

The programmable thermostat will maintain selected temperature you exit this mode by pressing and releasing button R.


Smart power on

If ON is set in menu 10, the programmable thermostat will check the temperature when the boiler is turned on; if after a period of 3 days the 'power on' temperature is too low, it will automatically power on a few minutes earlier.

Anti-freeze

If the programmable thermostat is off and the temperature drops below 5°C, the anti-freeze function will be triggered, activating the boiler until the air temperature reaches 9°C.

Sudden temperature drop protection (Open Window)

If the programmable thermostat detects a drop in temperature of more than 1.5°C within a period of 3 min. (e.g. window open), in order to avoid unnecessary heat loss, the heating will be interrupted and the symbol  will appear on the display.

This lock can be deactivated at any time by pressing any button.

When the temperature rises again or after a period of 30 minutes, the heating is automatically reactivated.

Keypad lock

With the thermostat switched on, the keypad can be locked to prevent any changes.

To switch it on: press simultaneously ▼ and ▲ and the symbol  will appear on the display.

To deactivate it:

- If the lock code is the default 0000, to disable it simply press R button (1 or 2 times depending on the screen).
- If the lock code was previously customised (Menu 11), you will need to enter the new code to disable it (▼ and ▲ to change the digit, P to move to the next digit, once the correct code has been entered R to exit and unlock).
- If you have forgotten the code, press RESET button with a pointed object. The device will be unlocked and it will be possible to access the menu again to check and/or modify the current code.

It will be necessary to reset the time and date, while the other data previously set will not be deleted.

Connection problems (ER2)

If you experience malfunction, turn the wireless unit off and then on again.


If ER2 appears on the display after a while, it means that communication between the two units has been interrupted.

Check that the fixed unit is correctly powered (RED LED on) and that the distance between the two units is not excessive.

ER1

If ER1 appears on the display, carry out the Reset procedure; if the problem persists, consult a technician.

Batteries

If the symbol  appears on the display, replace the batteries of the programmable thermostat as soon as possible, paying attention to the polarity.

SAFETY WARNINGS AND PRECAUTIONS

- Store the batteries out of reach of children; if swallowed seek immediate medical assistance.
- Batteries that are damaged or present leaking fluid may damage the skin, in this case use gloves.
- Batteries must not be short-circuited, taken apart or set on fire; explosion hazard.
- Traditional batteries cannot be recharged; explosion hazard.
- Dispose of damaged or flat batteries in approved waste collection centres, NOT as domestic waste.
- Installation must occur in accordance with the instructions in the manual.
- This device must be used strictly in accordance with its intended use. All other uses shall be considered improper and therefore hazardous.
- This device is not suitable for use by children or persons with reduced physical, sensory or mental skills, or without experience and knowledge, unless they are properly supervised or have been trained on how to use the device by persons responsible for their safety.
- Europe net s.r.l. shall not be held liable for any damage resulting from improper, erroneous and unreasonable use.
- Any tampering or makeshift interventions shall result in the cancellation of warranty rights.
- In the event of faults and/or poor operation, turn off the device immediately and contact your retailer or the technical service centre.
- It is strictly prohibited to dismantle or repair the device, if necessary contact your retailer or the technical service centre.

Use of any type of electrical device requires compliance with a number of basic rules:

In particular:

- Do not touch the device with wet or damp hands;
- Do not use the device with bare feet;
- Do not use the device in the vicinity of explosive and/or flammable products;
- Do not use the device in the vicinity of baths, showers, pools.
- Do not expose the device and its power pack to atmospheric agents (rain, sun, etc.).
- Do not rest objects on the device due to the risk of fire.
- Do not insert objects in the grooves of the device.
- Do not place heavy objects on top of cables due to the risk of damage.
- Power cable must be unwound for its entire length.
- Power cable must not be placed near sources of heat and/or sharp surfaces.
- If the power cable is damaged, have it immediately replaced.
- Do not pull on the power cable or device itself to detach the plug from the socket. Instead, firmly grasp the plug and pull it out of the socket to avoid electrical shocks, short circuits or fires.
- Do not use extension cords.
- All packaging materials must be kept out of reach of children due to potential risks (e.g. suffocation).
- Before performing any type of cleaning or maintenance operation, disconnect the plug.
- Before cleaning, disconnect the power supply and use only a soft, dry cloth.
- Do not use any type of detergent or solvent.

Warranty

2-year warranty effective from the date of purchase.

The tax receipt or purchase invoice are the only documents entitling the user to warranty services and must be submitted when the request for intervention is made.

The warranty shall be cancelled:

- In the case of inappropriate assembly or use
- If the product has been dismantled or if changes have been made to the product
- If the fault is attributable to external causes (atmospheric agents, excessively low or high temperatures, solvents, chemical agents, scratches)

Fixed Unit

Power supply	100-240 VAC - 50/60Hz
Frequency	868Mhz (FSK)
Transmission distance	100m in open spaces
Accuracy	+/- 1 °C
Operating temperature range	0 °C >T< 50 °C
Storage temperature range	-10 °C >T< 60 °C
Dimensions	113 x 82 x 30 mm


Wireless Unit

Power supply	2x1,5 V LR6 AA alkaline batteries
Frequency	868Mhz (FSK)
Transmission distance	100m in open spaces
Temperature setting range	5 °C >T< 35 °C
Display accuracy	+/- 0,1 °C
Operating temperature range	0 °C >T< 50 °C
Storage temperature range	-10 °C >T< 60 °C
Dimensions	115 x 90 x 32 mm

Declaration of conformity:

In accordance with the provisions set forth in directives 2014/53/EU, RoHS and REACH. Contact Europe net to receive a copy of the declaration of conformity.

Disposal:

 Use of this symbol indicates that this product must not be disposed of as domestic waste, in accordance with current legislation and local regulations.

At the end of its useful life cycle, the product and any accessories must be disposed of at a collection point designated by local authorities.

The product's packaging must be recycled in accordance with the methods provided for by the municipality where the product is used.