atlantic

Home solutions

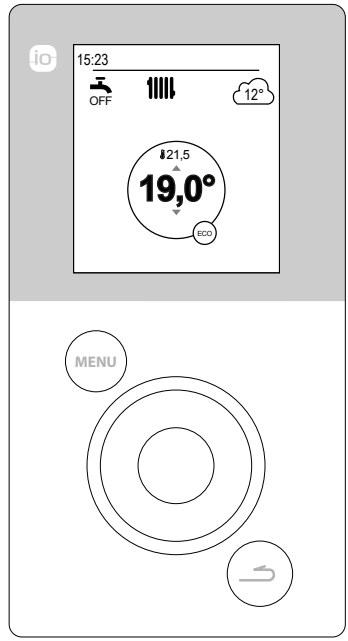
Pompes à chaleur & chaudières

INSTALLATION & USE

EN

Navilink A75
Navilink A78

Intelligent Room Temperature Controller



U0611728_1847_EN_3
12/04/2019

Intended for professionals.
To be kept by the user for future reference

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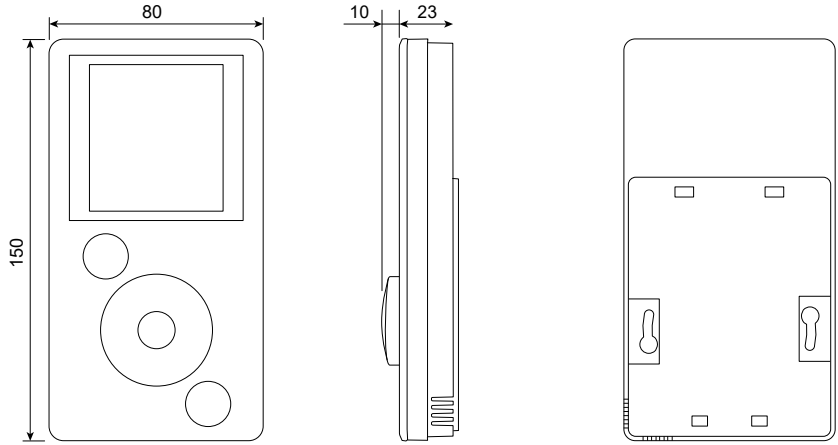
Description of the equipment

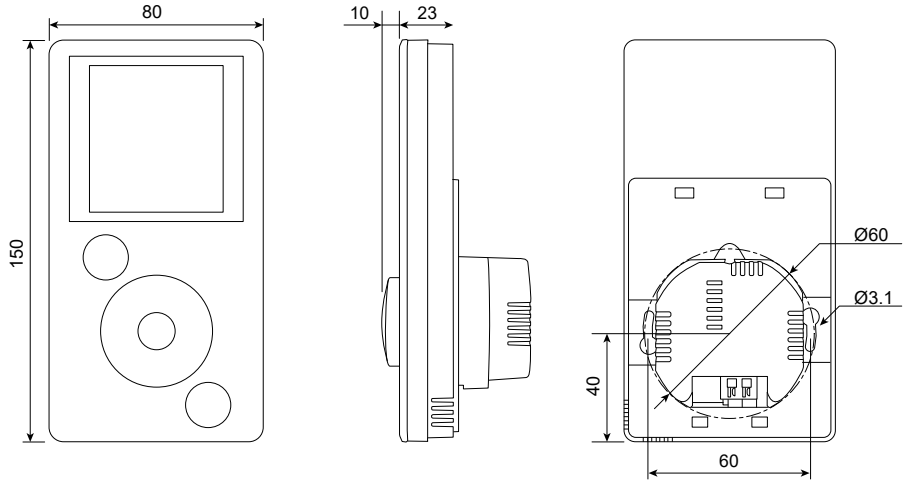
Frequency: 868 MHz.

Radiofrequency output: 5mW maximum.

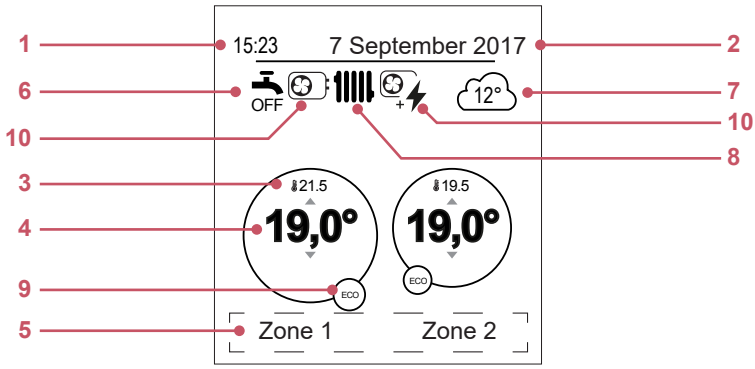
■ Navilink A78



■ Navilink A75



▶ Display Description



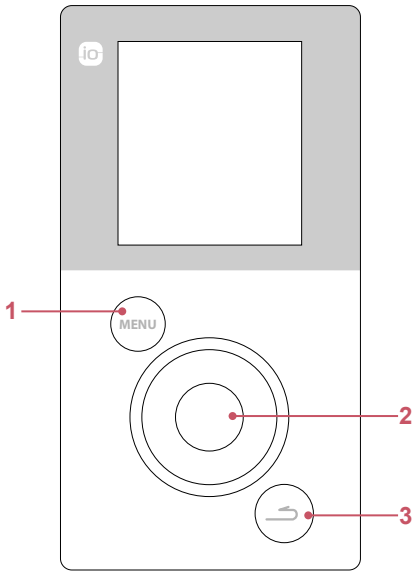
N°	Symbols	Definitions
1	15:23	Time
2	7 September 2017	Date
3	21.5	Temperature measured by the room sensor
4	19,0°	Room temperature setpoint
5	Information (zone names, emergency mode, test mode, error display, etc.)	
6	**Domestic Hot Water (DHW)*:**	
		Activated
	BOOST	Boosting in progress
	OFF	Deactivated
7	12°	Temperature measured by the outside sensor

Some settings (or menus) might not be displayed. They are dependent on the installation's configuration (and installed options).

N°	Symbols	Definitions
8	**Operation**	
		Heating
		Cooling*
9	**Mode**	
		Comfort
		Manual (exemption)
	ECO	ECO
		Absence
		Floor drying
		Stop (except frost)
10	**Production via ...**	
		Heat Pump
		Electrical backup*
		HP + electrical backup*
		HP + Fuel/Gas*
		Fuel/Gas*

Some settings (or menus) might not be displayed. They are dependent on the installation's configuration (and installed options).

▶ User Interface



N°	Description
1	Menu button
2	Navigation knob / Accept button
3	Back button

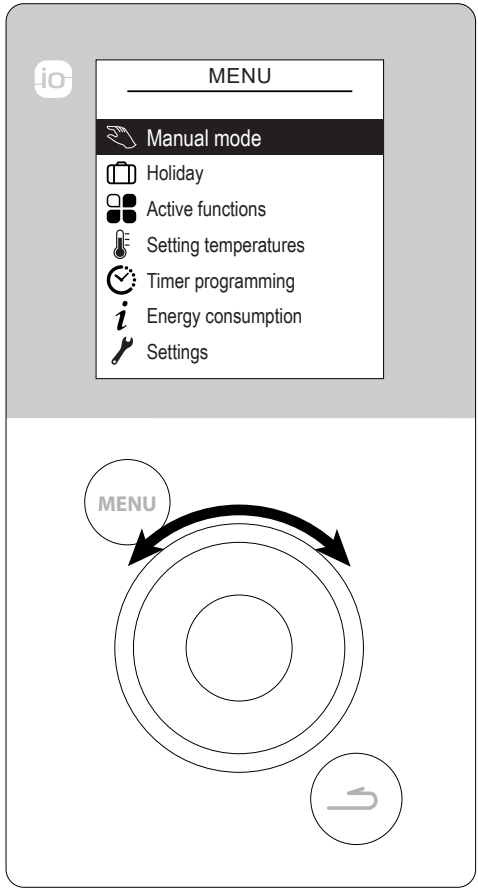
▶ Navigating the Menus

To ...	Action:
Access the menu	Press MENU
Choose a menu item	Turn the knob to highlight your choice. Press the knob to accept.
Return to the previous menu	Press ⮌
Return to the main menu	Press MENU twice
Return to the welcome screen	Press MENU or ⮌ on the main menu

Some settings (or menus) might not be displayed.
They are dependent on the installation's configuration (and installed options).

▶ Modifying Settings

- Turn the knob to highlight the setting you wish to change.
- Press the knob to accept the change.
- Turn the knob to adjust the setting.
- Press the knob to accept your choice.



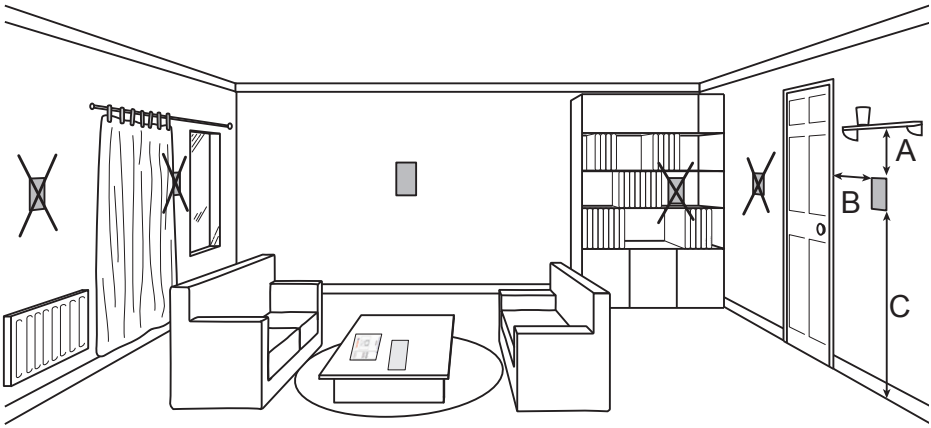
Some settings (or menus) might not be displayed. They are dependent on the installation's configuration (and installed options).

Assembly and Connection

▶ Installation

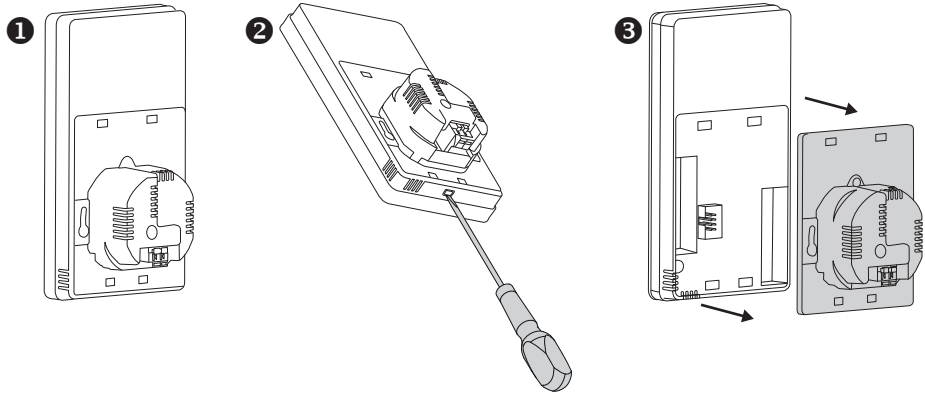
The sensor must be installed in the living room area on an unobstructed wall. It must be installed so as to be easily accessible. Choose a location with the fewest possible obstacles to good transmission. Comply with the following points:

- Avoid proximity to electrical cables, strong magnetic fields or devices such as computers, televisions or microwave ovens, etc.
- Avoid any zones of interference caused by large metallic objects or buildings containing fine metallic mesh or reinforcing (e.g. glass or special concrete).
- The distance between the transmitter and the receiver must not exceed 30 m or 2 storeys.
- Do not install the appliance inside a metal casing (e.g. heat pump).
- Avoid direct sources of heat (chimney, television, cooking surfaces, sun) and draughty areas (ventilation, door, etc.).



A : 10 cm B : 20 cm min. C : 150 cm

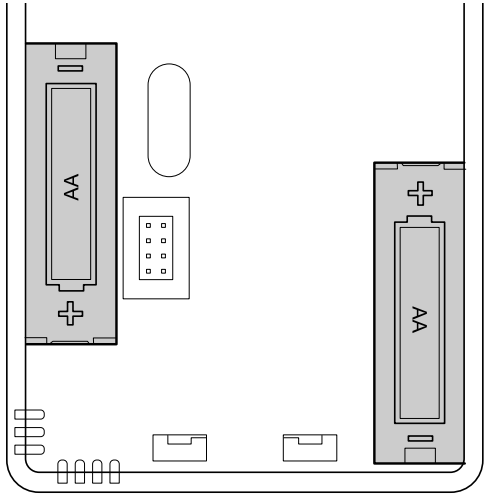
▶ Opening the sensor



▶ Navilink A78

2 AA LR6 batteries (supplied).

Maintain polarity.



The batteries risk being prematurely degraded if the generator is powered down.

▶ Navilink A75

Power supply 0V - 12V.

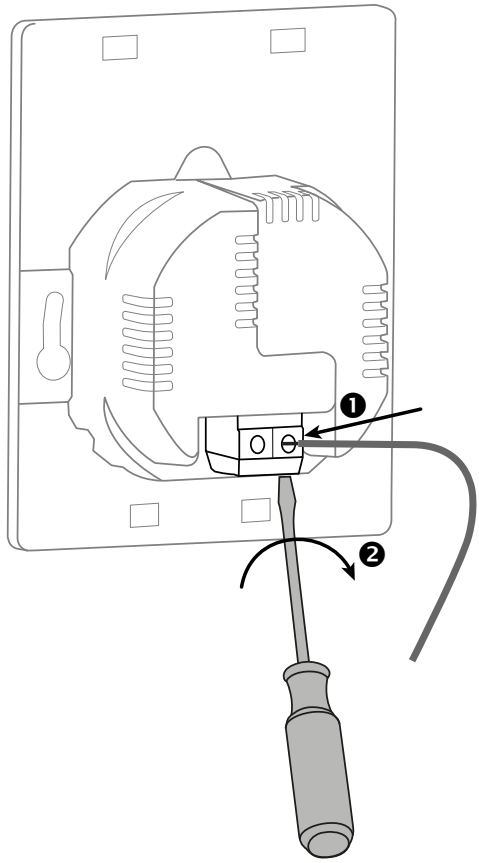
Types of cables to use:

- rigid 0.5 - 1.5 mm^2
- or flexible 0.5 - 0.75 mm^2 with rigid ends.

■ Cable connection

• Bare the end of the wires to around 10 mm.

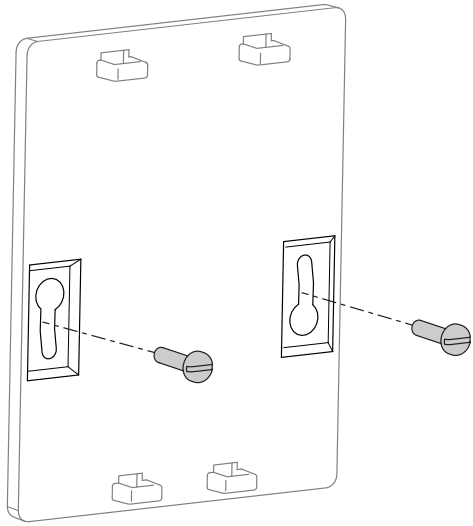
• Insert the cable ends into the connection terminals.



▶ Attaching to a wall

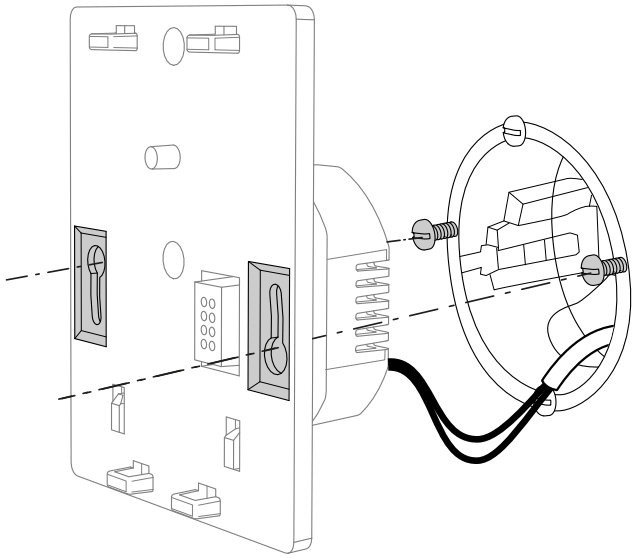
■ Navilink A78, with battery

Affix the sensor bracket to the wall with a screw (not supplied) and plugs suited to your type of wall, or using a mounting box.



■ Navilink A75, cabled

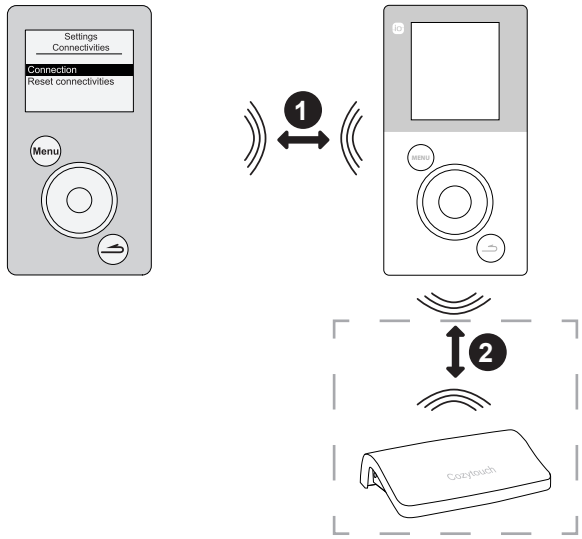
Affix the sensor bracket using a mounting box.



Initial commissioning

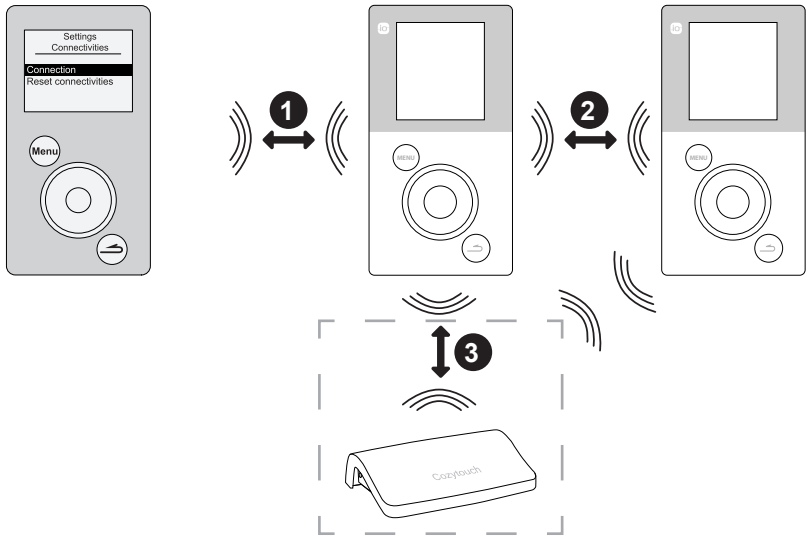
▶ Room sensor pairing basics

■ HP → 1 room sensor



1. Pair the sensor with the HP
   (*see “Pairing a sensor with a HP”, page 14*).
2. Pair the sensor with the CozyTouch (option)
   (*see “Pairing with a CozyTouch”, page 28*).

■ HP → 2 room sensors



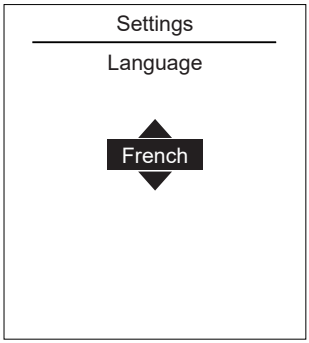
1. Pair the 1st sensor with the HP
   (*see "Pairing a sensor with a HP", page 14*).
2. Pair the 2nd sensor with the 1st sensor
   (*see "Connections", page 28*).
3. Pair the sensor(s) with the CozyTouch (option)
   (*see "Pairing with a CozyTouch", page 28*).

**To pair two devices,
both must be in pairing mode**

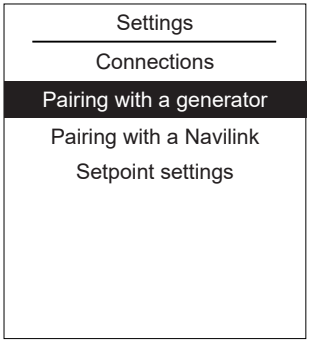
▶ Pairing a sensor with a HP

When the power is switched on, the "Easy Start" quick start function allows you to set the appliance's initial settings.

Turn the knob to choose the language.

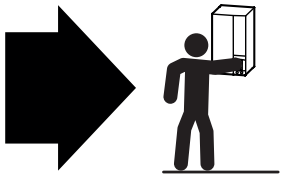


Select "*Pairing with a generator*"

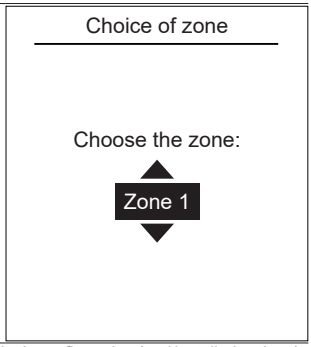


On the heat pump,
start the pairing procedure.

➔ **Please refer to the appliance's installation instructions.**

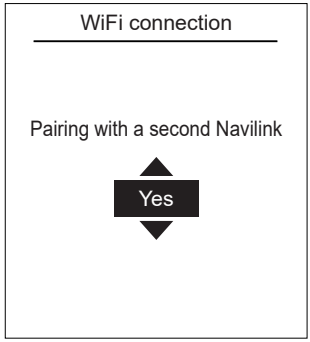


Select the sensor's zone number.



Some settings (or menus) might not be displayed. They are dependent on the installation's configuration (and installed options).

■ If the installation is fitted with a single sensor, select "*No*".

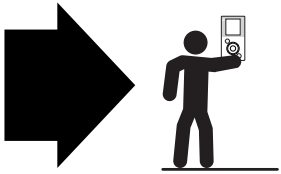


■ If the installation is fitted with a second sensor, select "*Yes*".

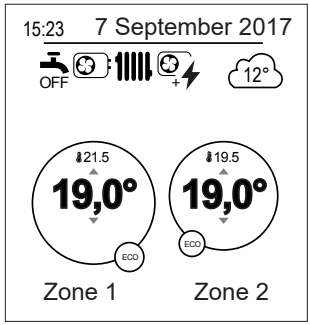
Start the pairing procedure on the 2nd sensor.

➔ **Please refer to the appliance's installation instructions.**

Select the sensor's zone number.



The welcome screen is displayed (depending on installed options).



Some settings (or menus) might not be displayed. They are dependent on the installation's configuration (and installed options).

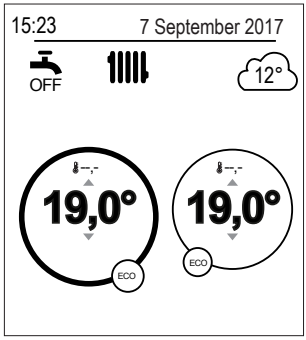
Manual mode

▶ Exemption from timer program

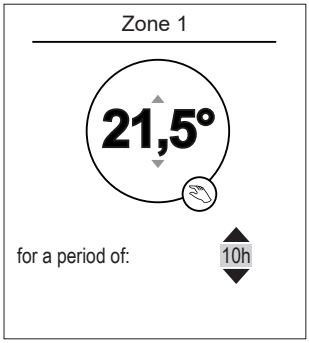
When a timer program is active (advanced menu), an exemption allows you to force the appliance into operation ("Heating" or "Cooling") at the desired temperature for a certain duration.

■ From the welcome screen

Select the zone using the knob
(the selected zone's circle is thicker).



Set the required temperature,
then the duration of the exemption.

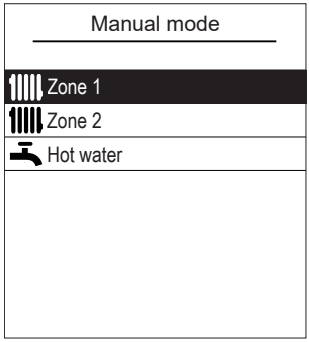


Some settings (or menus) might not be displayed. They are dependent on the installation's configuration (and installed options).

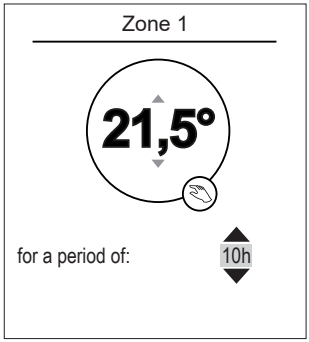
■ From the menu

Choose the zone from the menu:

"Manual mode".



Set the required temperature,
then the duration of the exemption.



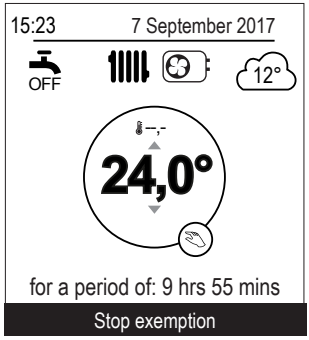
Some settings (or menus) might not be displayed. They are dependent on the installation's configuration (and installed options).

▶ Cancelling an exemption from timer program

■ Cancelling an exemption with 1 heating zone

From the welcome screen, select:

"Stop exemption".

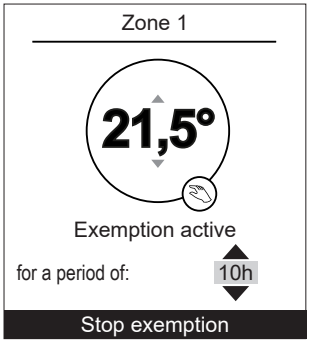


■ Cancelling an exemption with 2 heating zones

Choose the zone from the menu:

"Manual mode".

Press the knob to cancel the exemption.



Some settings (or menus) might not be displayed. They are dependent on the installation's configuration (and installed options).

▶ Forced Domestic Hot Water operation (Boost)

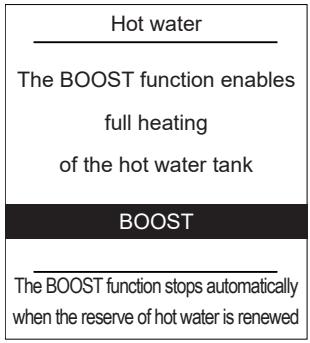
The Domestic Hot Water (DHW) boost function heats the tank up to the Comfort temperature.

Go to the menu:

"Manual mode" > "Hot water".

Press the knob to activate the "*BOOST*" function.

- **When hot water is required, the heat pump adapts its priority to meet the request.**
- **No heating is produced during the preparation of domestic hot water.**



Some settings (or menus) might not be displayed. They are dependent on the installation's configuration (and installed options).

Holiday

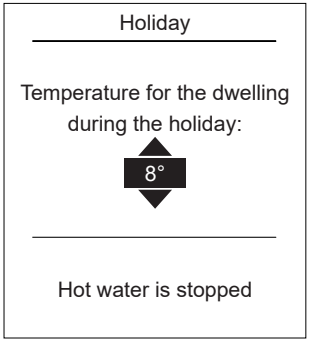
In the event of a prolonged absence, you can set a period in which the heating operates at a reduced temperature (except for frost) and the production of domestic hot water (DHW) is stopped.

▶ Programming holiday mode

Set the holiday start and end dates and accept.

- To return to the previous setting (e.g. from month to day), press the ⮌ button.

Set the temperature for the dwelling during the holiday.

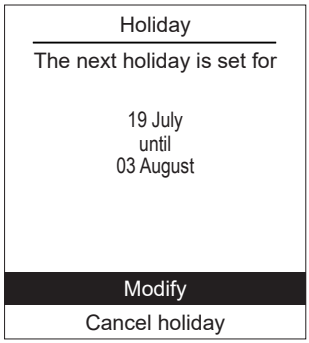


Some settings (or menus) might not be displayed. They are dependent on the installation's configuration (and installed options).

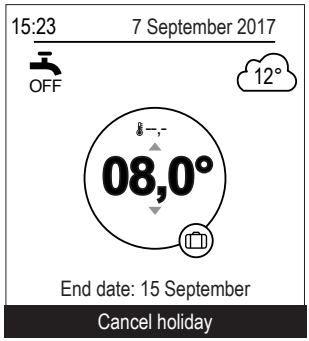
▶ Viewing, modifying and cancelling the next holiday period

You can view, modify and cancel the next holiday period by going into the menu:

"Holiday".



You can cancel a currently active holiday period from the welcome screen.



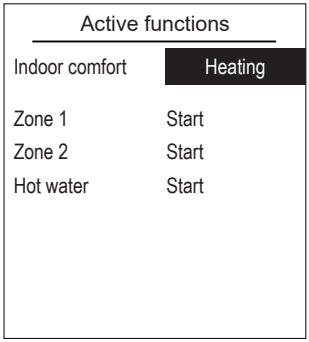
Some settings (or menus) might not be displayed. They are dependent on the installation's configuration (and installed options).

Active functions

The "Active Functions" page tells you which services are operating and allows you to change their status.

- "*Indoor comfort*": *Heating / Cooling / Stop.*
- *"Zone 1" / "Zone 2" / "Hot water"*: *Start / Stop.*

If "Indoor Comfort" is set to "Stop", Zones 1 and 2 cannot be modified.



Some settings (or menus) might not be displayed. They are dependent on the installation's configuration (and installed options).

Setting temperatures

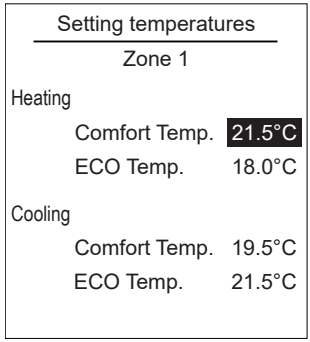
The "Setting temperatures" page allows you to set temperature setpoints for Comfort and ECO periods (heating and cooling). Settings must be recorded for each zone.

Heating temperatures factory settings:

Comfort 20°C, ECO 19°C.

Cooling temperatures factory settings:

Comfort 24°C, ECO 26°C.



Some settings (or menus) might not be displayed. They are dependent on the installation's configuration (and installed options).

Timer programming

A timer program allows you to define the appliance's automatic operation periods (Comfort ↔ ECO). Each day can be set independently.

▶ Creating a timer program

1 - Choose *"Heating" or "Cooling"* as well as the appropriate zone by accessing the menu:

"Set Program" > *"Heating"* / *"Cooling"* > *"Zone 1"* / *"Zone 2"*

2 - Select the day.

3 - Adjust the Comfort period start and end times.

• If 2 or 3 Comfort periods are not required, click on "---".

- To return to the previous setting (e.g. end of 1st heating period to start of 1st heating period), press the ⮌ button.

■ To copy the program to other days:

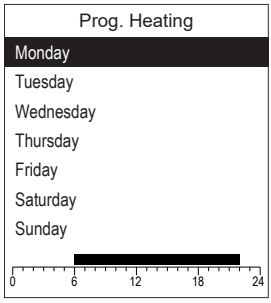
4 - Select "*Accept and copy*".

5 - Set the required days to "*Yes*" and then select "*Finish*".

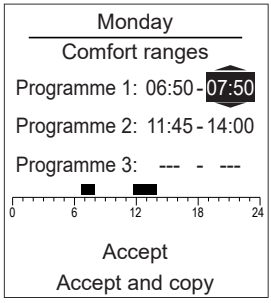
■ Else "***Accept***".

Heating / cooling period factory setting: 06:00 - 22:00.

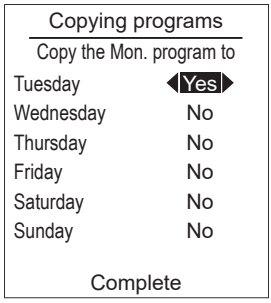
2



3 4



5



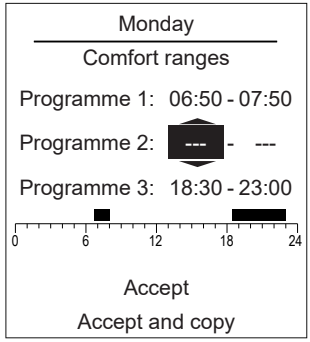
Some settings (or menus) might not be displayed. They are dependent on the installation's configuration (and installed options).

▶ Deleting a Comfort period

To delete a Comfort period,
set its start and end times to the same value.

When accepting a setting, the screen displays:

Programme X: --- - ---



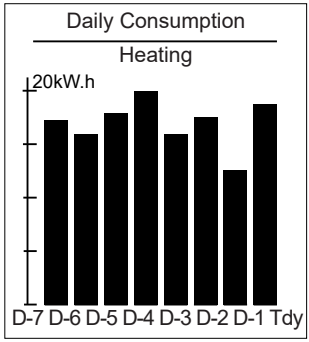
i Energy consumption

Consumption can be displayed per usage:

- Heating (Zones 1 and 2).
- Cooling (Zones 1 and 2).
- Domestic Hot Water (DHW).
- Total (Heating + Cooling + Hot Water)

This information is available for:

- the last 8 days: daily consumption (Tdy = Today, D-1 = yesterday, etc.)
- the last 12 months: monthly consumption (Initial letter of month. e.g. J = January, etc.)
- the last 10 years: Annual consumption (last 2 digits. e.g. 16 = 2016)

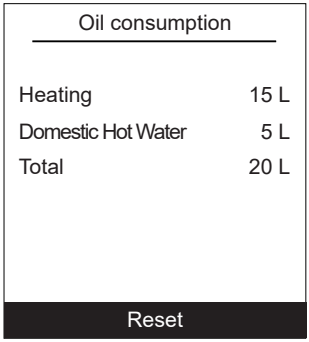


Example for daily consumption of the heating system.

i Oil consumption

Consumption can be displayed per usage:

- Heating (Zones 1 and 2).
- Domestic Hot Water (DHW).
- Total (Heating + Cooling + Hot Water)



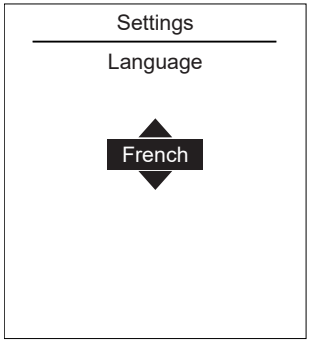
Some settings (or menus) might not be displayed. They are dependent on the installation's configuration (and installed options).

Settings

▶ Language

To change the language, access the menu:

"Settings" > "Language".

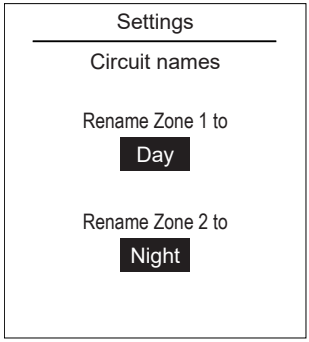


▶ Zone names

You can customise the zone names from the menu:

"Settings" > "Zone Names"

Available names: *"Zone 1" / "Zone 2" / "Day" / "Night" / "Upstairs" / "Living Room" / "Ground Floor" / "Bedroom" / "Floor" / "Radiator"*.



Some settings (or menus) might not be displayed. They are dependent on the installation's configuration (and installed options).

▶ Connections

▼ Pairing with a Navilink

To connect the room sensor to a HP / sensor, go to the menu:

"Settings" > "Connections" > "Pairing with a Navilink".

The appliance waits for pairing for 10 minutes.

➔ Please refer to the appliance's installation manual for initiating Pairing mode.

▼ Pairing with a CozyTouch

To connect the room sensor to a CozyTouch, go to the menu:

"Settings" > "Connections" > "Pairing with a CozyTouch".

The appliance waits for pairing for 10 minutes.

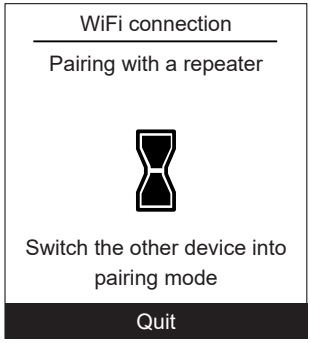
▼ Pairing with a repeater

To connect the room sensor to a repeater, go to the menu:

"Settings" > "Connections" > "Pairing with a repeater".

The appliance waits for pairing for 10 minutes.

➔ Please refer to the repeater's installation manual.



Some settings (or menus) might not be displayed. They are dependent on the installation's configuration (and installed options).

▼ Advanced settings

Security key:

The io-homecontrol® WiFi protocol has built-in security to avoid interfering with nearby equipment.

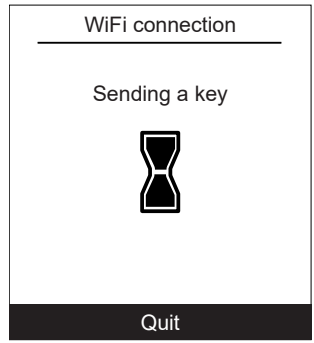
Where various io-homecontrol® devices are used, the first installed device will generate a unique "security key" for all devices in the house. Existing equipment must share this security key with the equipment to be added.

This section is reserved for competent users of io-homecontrol® technology and offers various services covered by this key.

Please refer to the section on pairing io-homecontrol® devices.

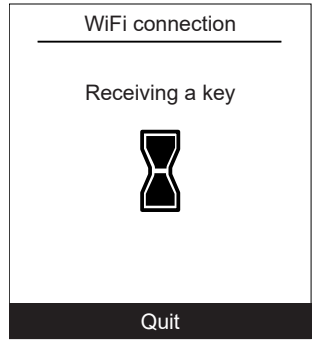
Sending an io-homecontrol® key

The appliance waits for pairing for 10 minutes.



Receiving an io-homecontrol® key

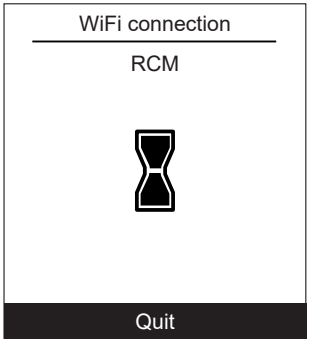
The appliance waits for pairing for 10 minutes.



Some settings (or menus) might not be displayed. They are dependent on the installation's configuration (and installed options).

RCM (Receiving Configuration Mode)

io-homecontrol® RCM Advanced function



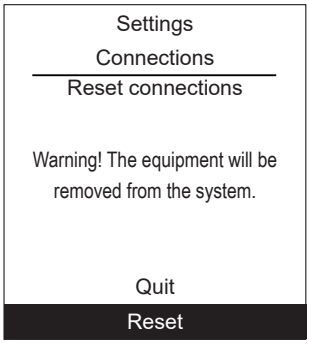
Reset connections

⚠ Reinitialising will cancel all pairings.

Select "Reset" in the menu:

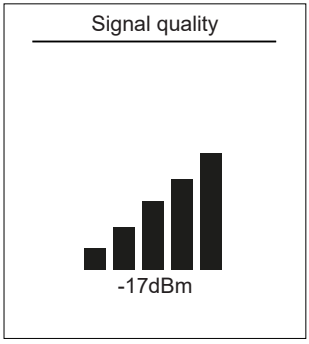
"Settings" > "Connections" > "Reset Connections".

➔ **Each paired device must be reset individually.**



▶ Signal quality

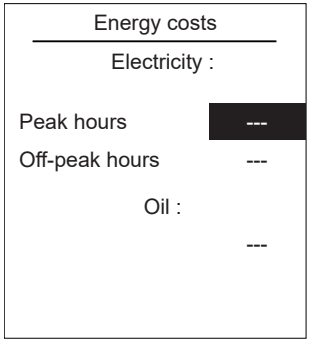
Radio signal quality.



Some settings (or menus) might not be displayed. They are dependent on the installation's configuration (and installed options).

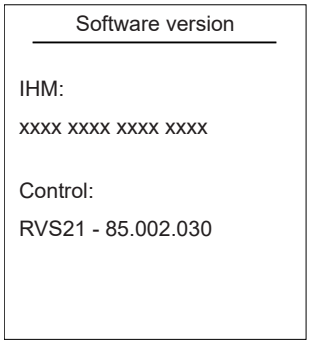
▶ Energy costs

- “*Peak hours*” / “*Off-peak hours*” : xx cts/kWh
- “*Oil*” : xx cts/l



▶ Software version

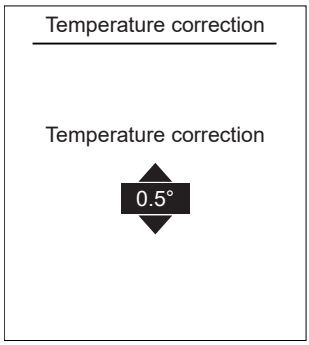
Show the display (IHM) and controller software versions.



▶ Temperature correction

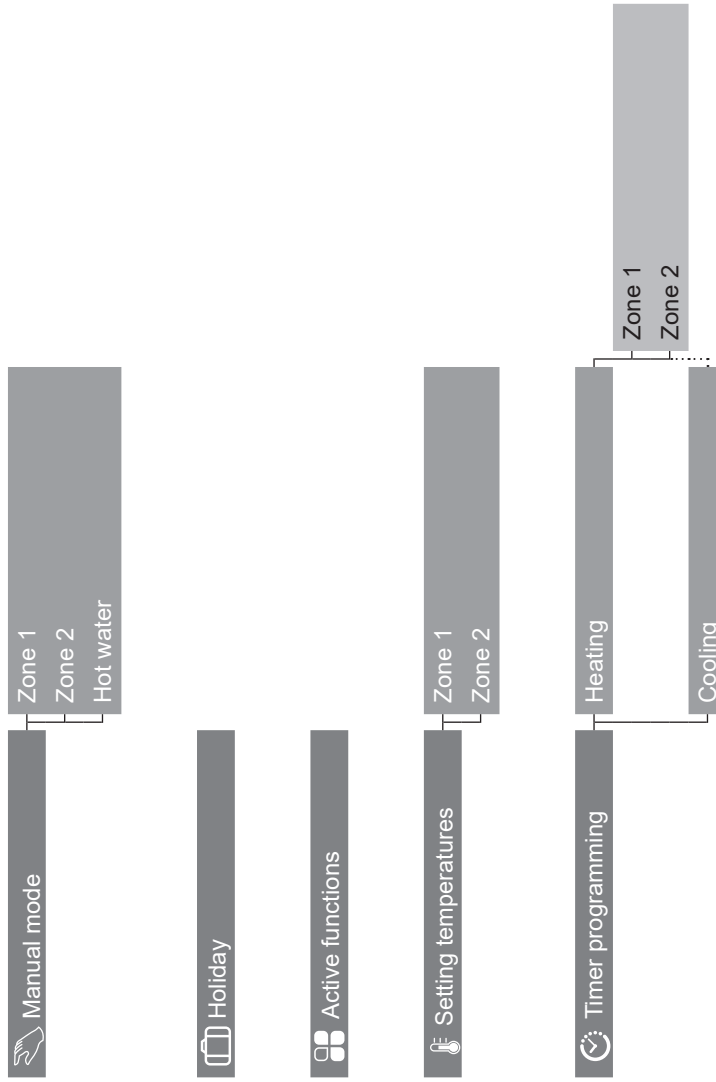
To calibrate the sensor's temperature setting, access the menu:

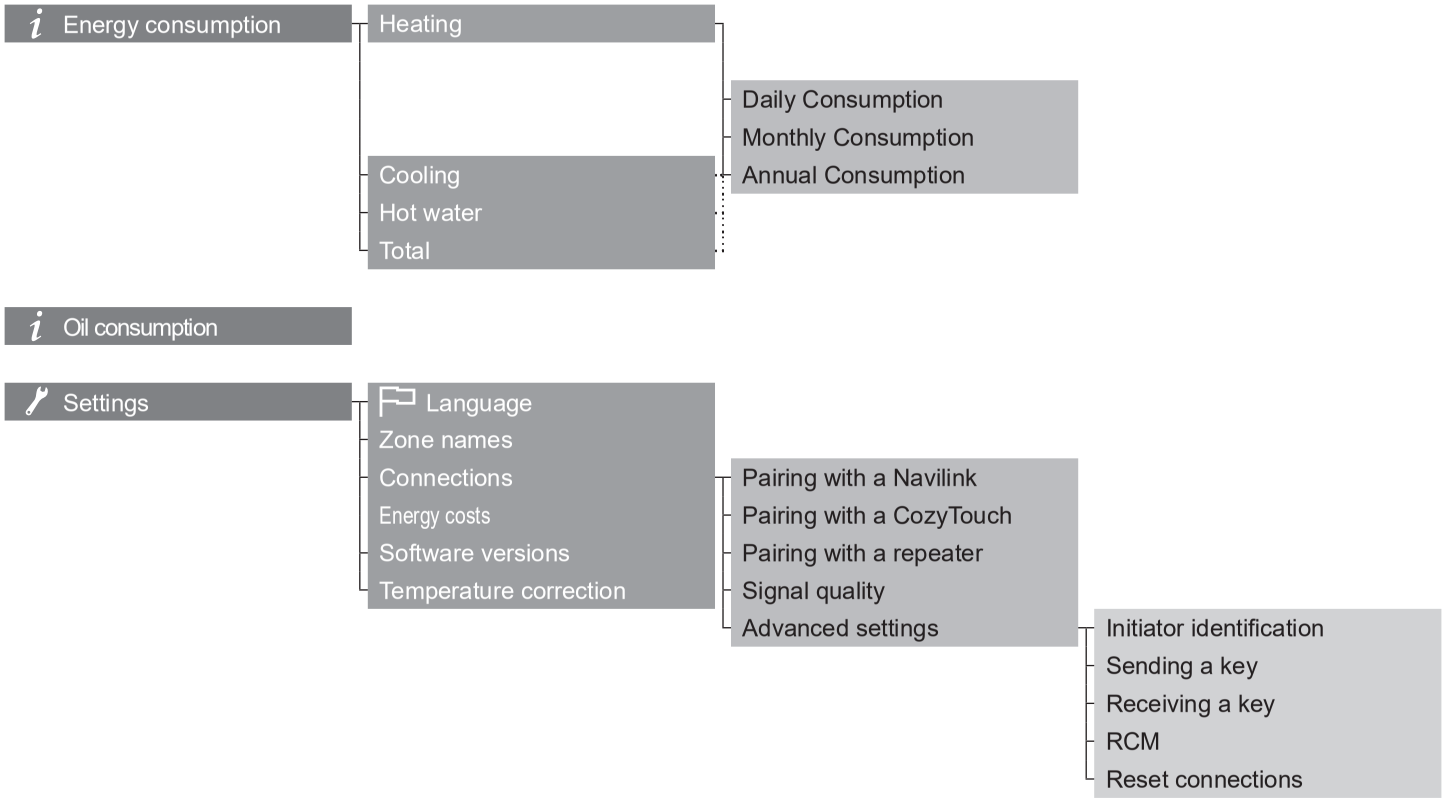
"Settings" > "Temperature correction".



Some settings (or menus) might not be displayed. They are dependent on the installation's configuration (and installed options).

Menu Structure




Energy consumption
Heating
Daily Consumption
Monthly Consumption
Annual Consumption
Cooling
Hot water
Total
Oil consumption
Settings
Language
Zone names
Connections
Energy costs
Software versions
Temperature correction
Pairing with a Navilink
Pairing with a CozyTouch
Pairing with a repeater
Signal quality
Advanced settings
Initiator identification
Sending a key
Receiving a key
RCM
Reset connections

This appliance is marked with this symbol. It means that all electrical and electronic products must be strictly separated from household waste.

A specific recovery system for this type of product is in place in the countries of the European Union (*), Norway, Iceland and Liechtenstein.

Do not attempt to dismantle this product yourself. This can have adverse effects on your health and on the environment.

In terms of recycling, this appliance must be processed by a specialised service and must not, under any circumstances, be thrown out with household waste, bulky waste or at a tip.

Please contact your heating engineer or After Sales service for further information.

* Depending on the national regulations of each member state.

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Société Industrielle de Chauffage
SATC - BP 64 - 59660 MERVILLE - FRANCE

Commissioning date:

Contact details of your heating engineer or After Sales service.

RC Dunkerque - Siren 440 555 886 - The equipment may be modified without prior notice - Non-contractual document

CE

This equipment complies with:
- Low Voltage Directive 2014/35/EU in accordance with EN 60335-1 standard,
- Electromechanical Compatibility Directive 2014/30/EC.