

# Wireless programmable thermostat



Installation and user's guide

## Warnings

- Carefully read these instructions prior to installation.
- The unit must be installed in compliance with current standards.
- Always switch off the mains before installing or servicing the unit.
- Do not attempt to repair the unit yourself; after-sales service is available.
- The receiver power supply cable must only be replaced by the manufacturer or an approved agent.
- Check that the fastenings are suited to the surface on which the unit will be mounted (plasterboard, brick, etc.).
- The diagrams provided are simplified for greater clarity.  
Protections and other accessories required by standards are not illustrated.  
- Standard NF C15-100 and good practice must be complied with. Nearby units or those that are connected must not generate excessive interference (directive 2004/108/EC).

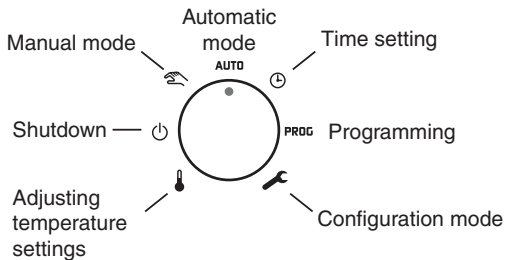
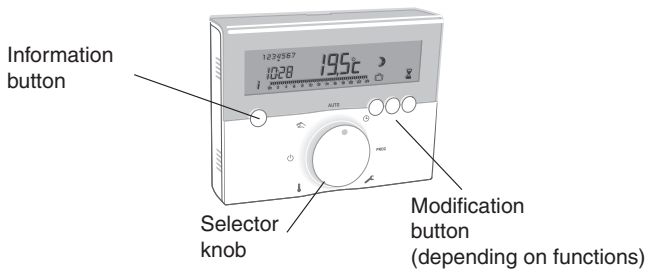
## Contents

1. Description.....	5
2. Location of the transmitter .....	6
3. Mounting the receiver .....	8
4. Connecting the receiver.....	9
5. Configuration .....	13
6. Time setting .....	20
7. Programming .....	21
8. Adjusting temperature settings .....	23
9. Control system mode.....	24
10. Timer mode .....	25
11. Absence mode.....	26
12. Manual mode.....	28
13. Heat-cool mode change (only for reversible heat pump).....	29
14. Off mode.....	30

## Contents

15. Information button.....	31
16. Replacing the batteries .....	32
17. Restoring factory settings .....	34
18. Summary table of configurations .....	35
19. Technical characteristics .....	36
20. Help.....	37

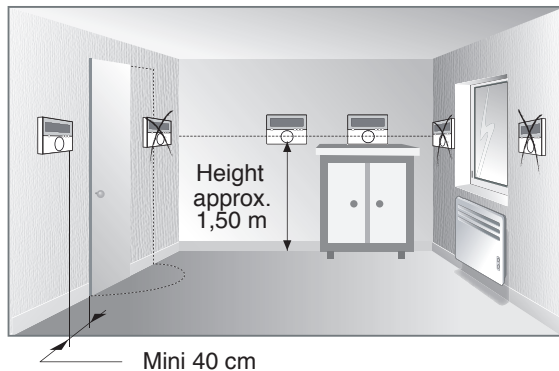
# 1. Description



## 2. Location of the transmitter

To control the heating, the thermostat must measure the most representative room temperature in your home.

As the temperature measurement probe is in the transmitter unit, you must place the unit:



- In the main room (e.g. living/dining room) or in the middle of your home,
- Wall-mounted or placed on a shelf or a piece of accessible furniture at a height of 1.50 m,
- Away from heat sources (fireplaces, sunlight) and draughts (windows, doors),
- On an interior wall.

## 2. Location of the transmitter

### Fitting the batteries

- Open the transmitter unit by pressing the clip **1**.
- Insert 2 LR03 1.5 V batteries, taking care to ensure that the polarities are correct.

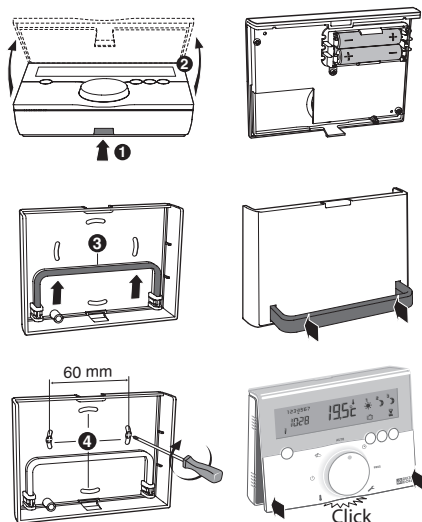
Never use rechargeable batteries.  
Use only alkaline batteries.

### Fitting the transmitter to its support

- Remove the support **3** from its housing,
- Position it on the back of the unit,
- Reposition the front part of the transmitter unit until the clip locks.

### Mounting the transmitter on a wall

- Mount the support using the supplied screws and screw anchors or a flush-mounted box (distance between centres 60 mm), by using the temporary partitions **4**.
- Reposition the front part of the transmitter unit until the clip locks.

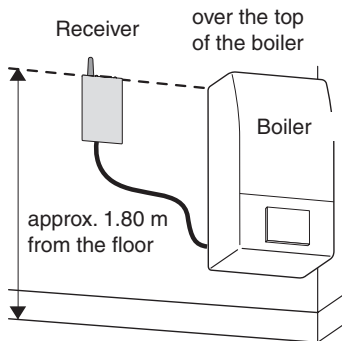


### 3. Mounting the receiver

#### Receiver location

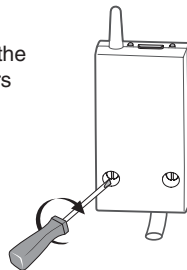
The receiver must be placed in a high position. The receiver antenna must be kept away from conductors (electrical cables, electrical switchboard, metallic surface).

#### Mounting near a boiler



#### Mounted with screws

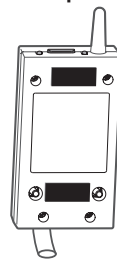
Mounted on a wall using the screws and screw anchors supplied.



#### Mounting by double-sided adhesive tape

Mounting on the wall  
Using the double-sided adhesive tape supplied.

Before mounting the receiver, please clean the surface onto which it will be mounted.





## 4. Connecting the receiver

**Switch off the mains power supply before any intervention.**

### **Reversal of the relay direction**

During an On command: the relay closes,

During an Off command: the relay opens,

Command sent	Contact	Inverted contact
On	ON	OFF
Shutdown	OFF	ON

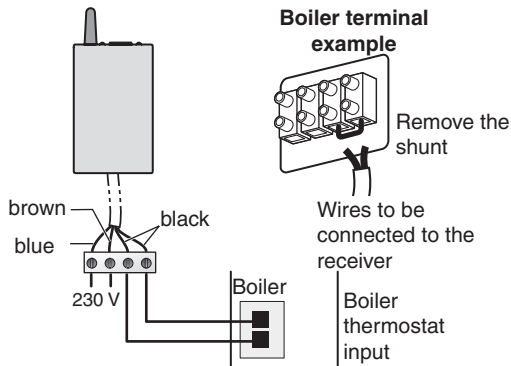
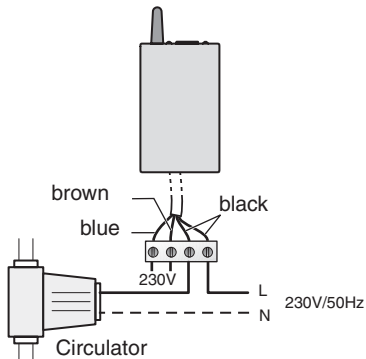
You can reverse the relay operation as follows:

- Press and hold the receiver button for about 10 seconds.

## 4. Connecting the receiver

### Connecting a boiler with thermostat input

- Connect the receiver's two black wires to the two terminals on the boiler thermostat input.
- If necessary, remove the shunt (electric wire) connecting the two thermostat input terminals.
- If the boiler has a clock input, do not mistake it for the thermostat input.



### Connecting a boiler without thermostat input

If the boiler does not have a thermostat input, you can directly control the circulator pump located next to the boiler (this pump circulates hot water in the radiators).

- Directly control the circulator power supply with the receiver.

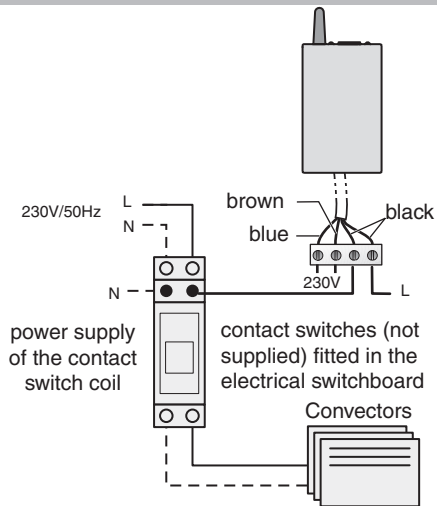
## 4. Connecting the receiver

### Control the electric convectors

To control electrical convectors, you **MUST** use a power contact switch that is suitable for the total power to be controlled. This contact switch must be installed in the electrical switchboard of the home.

### Receiver configuration and radio test

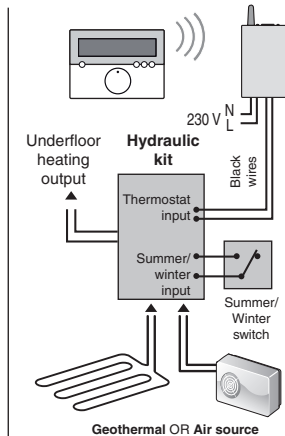
To configure or check the configuration of the system as well as the quality of the radio transmission, refer to configuration menus CF08 and CF09 of this manual.



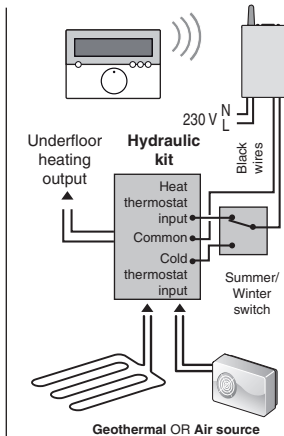
## 4. Connecting the receiver

### Controlling a heat pump

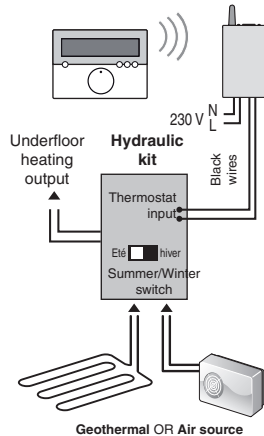
#### Heat pump with thermostat input and summer/winter input



#### Heat pump with thermostat heat input and thermostat cool input




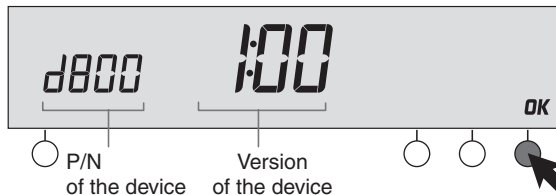
#### Heat pump with thermostat input and summer/winter button



Select the wiring suited to your heat pump or refer to the manufacturer specifications.

## 5. Configuration


Turn the knob to the  position to access the configuration menus.



*Your device part number and version number are displayed.*

Press OK to go to the CF01 menu.

### Correcting the temperature measured

	Possible correction of $-4^{\circ}\text{C}$ to $+4^{\circ}\text{C}$ by steps of $0.1^{\circ}\text{C}$ . Press the + or - buttons to make changes, and confirm with the OK button to go to the next setting.
---	---

**Important:** In order to change this setting, the unit must have been running for at least 2 hours beforehand.

If there is a difference between the actual temperature (taken with a thermometer) and the temperature measured and displayed by the unit, function CF01 can be used to compensate for the difference by changing the way the sensor takes measurements.




## 5. Configuration

Example:

If the temperature displayed by the unit is 19°C and the temperature measured is 20°C, add 1°C to the display and confirm by pressing OK.



### Automatic mode temperature display option

	 Continuous temperature setting display (by default). With this option, press i to display the room temperature.
	 Continuous temperature setting display (by default). With this option, press i to display the room temperature.

Choose your setting using the + or - buttons.  
Press OK to confirm and go to the CF03 menu.

## 5. Configuration

### Controls the comfort temperature in heat mode

With thermostatic valve electric heating or hot water heaters, the Comfort temperature can be provided by adjusting the thermostat of each radiator.

In this case, only Economy and Frost Protection temperatures are set by the thermostat.

CF03	0 Comfort temperature set by the thermostat (by default)
	Comfort temperature set on each radiator or convector. In this option, the screen displays Conf.

Choose your setting using the + or - buttons.  
Press OK to confirm and go to the CF04 menu.

### Air conditioning function

If you have a heat-cool reversible system, position the setting of the CF04 menu to 1.  
You will have the option of switching the heat mode to the cool mode (see section on changing the heat/cool mode).

## 5. Configuration

CF04	0	Unauthorised air conditioning function. (by default)
	!	Authorised air conditioning function.

Choose your setting using the + or - buttons.  
Press OK to confirm and go to the CF05 menu.

Setting the value of the CF04 menu to 0 is only possible if the Thermostat is in heat mode.

### **Circulator anti-seizing**

If your thermostat controls a circulator, position the CF05 menu setting to 1.

CF05	0	Anti-seizing disabled (by default)
	!	Anti-seizing enabled (circulator operates for 1 minute every 24 hours).



## 5. Configuration

### Control time base

Select the base time recommended for your installation.

CF06	0	15 min. (recommended to control convectors or traditional radiators). (by default)
	1	30 min. (recommended to control a heat pump, depending on the model)
	2	45 min. (recommended to control a heat pump, depending on the model)

### Home automation functions in the installation (optional)

CF07	0	No home automation functions (by default)
	1	Home automation functions associated with Deltia

Press + or \_ to make your choice.

Press OK to confirm and go to the CF08 menu.

## 5. Configuration

Up to 7 home automation products can be associated with the receiver.

- Door/window magnetic contact: open window = heating in frost protection mode.
- Telephone transmitter or telephone remote control: remote control for the installation (heating, control system).
- Alarm control unit: monitoring alarm on = heating in Economy mode  
monitoring alarm off = heating in Comfort mode

To associate the receiver with a home automation product, the receiver must be in association mode. Press the button for 5 seconds until the LED flashes.

Confirm, on the home automation product:

- door/window magnetic contact and telephone transmitter: press the **test** button.
- telephone remote control: press the  button.
- alarm control unit: in Maintenance mode, press the **test** button.

### Radio configuration

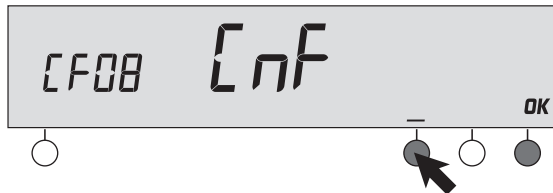
Your devices come already associated and ready for installation,

If you want to cancel the association of the receiver with the thermostat, press the button on the receiver for 30 seconds until the LED no longer flashes.

To associate the thermostat with the receiver again, press and hold the receiver button for about 5 seconds until the LED flashes.

## 5. Configuration

Press the - button on the thermostat.  
The receiver LED is off. The receiver is associated with the thermostat. Press OK to go to the CF09 menu.

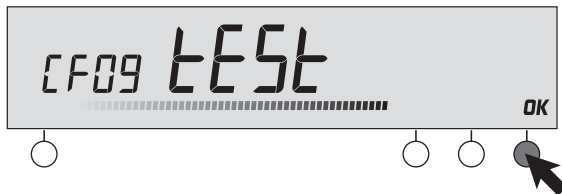


### Radio transmission test

This mode allows you to test whether your installation is operating correctly.

- The device shows tESt and send a radio signal to the receiver every 3 seconds.
- Put the thermostat in the room you want to use and check that the signal is transmitted correctly to the receiver (the OK LED flashes for each radio signal received).


The radio transmission is operational.



If the receiver does not receive the transmissions, move the thermostat to obtain the correct radio reception.

Press on OK to exit the test mode or turn the selector knob to another position.

## 6. Time setting

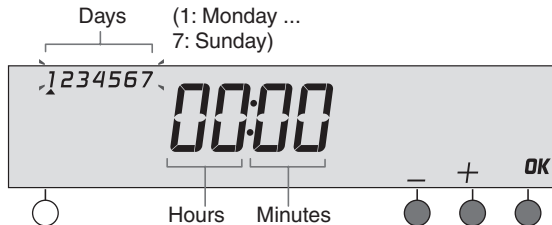
Turn the knob to the  position.

*The days flash.*

- Press + or - to set the day, then on OK confirm and go to the next setting.

Repeat these steps to set the hours and minutes.

To exit the 'time setting' mode, turn the selector knob.



## 7. Programming

Turn the knob to the **PROG** position.

The default program is a Comfort period from 6am to 11pm.

### • Create your program

Programming starts on day 1 at midnight. Press the ☀ or 🌙 buttons to create different Economy or Comfort periods (1/2 hour steps).

- There are 2 ways to confirm the programme:

### • Confirm and copy the programme to the next day

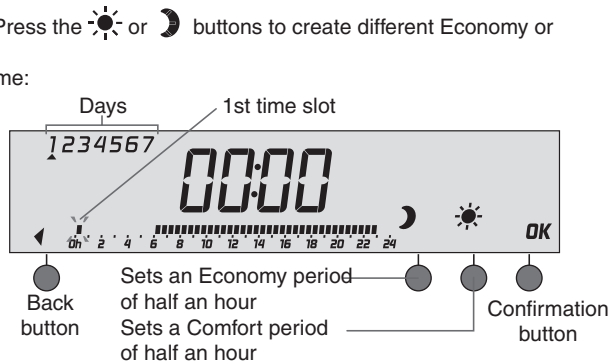
Hold down the OK button for 3 seconds to confirm and copy the program you created to the next day.

## OR

### • Validate the programme

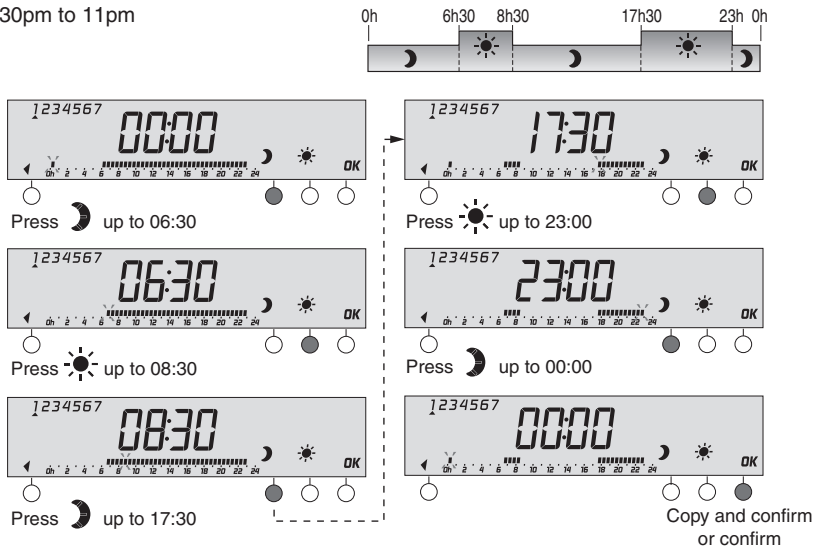
Press the OK button to confirm and move on to programme the next day.

The back button allows you to change a programme by returning to the required time slot.



## 7. Programming

Example: Comfort from 6.30am to 8.30am  
and from 5.30pm to 11pm



## 8. Adjusting temperature settings

This mode is used to choose the economy and comfort temperature settings.

Turn the selector knob to .

- Press + or - to set the comfort temperature, then confirm by pressing OK to go on to set the economy temperature.

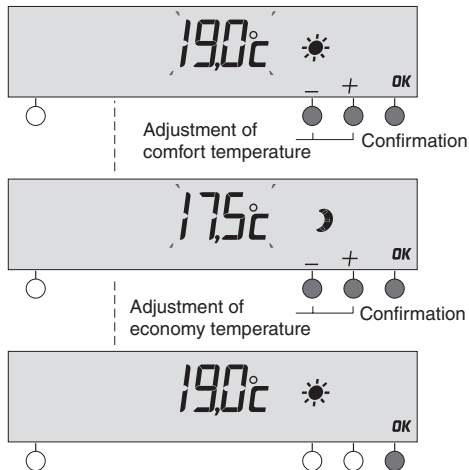
Confirm with OK.

The settings can be adjusted, from 5 to 30°C and from 18 to 35°C in cool mode, by 0.5°C steps.

To adjust the cool mode settings, set the thermostat to cool mode (see heat-cool mode change menu).

### Note:

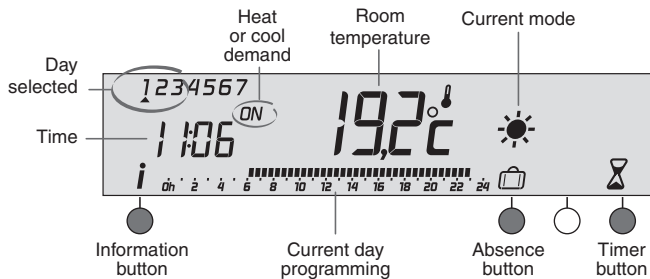
Only the economy temperature setting is available if you have selected comfort control by each radiator (CF03 menu).



## 9. Control system mode

Turn the knob to the **AUTO** position.

Your thermostat will function according to the programme.

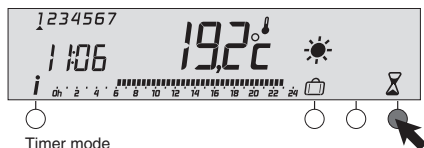


### Note:

According to the configuration during installation, your unit will continuously display the temperature setting or the temperature of the room. If you want to modify these settings, refer to the CF02 menu of the installation section in this manual or contact our customer service.



## 10. Timer mode



Timer mode duration



Cancellation

Duration setting Confirmation



Cancellation

Temperature setting


Adjustment of temperature settings

Confirmation and start of countdown



Return to auto mode at the end of the countdown

This mode is used to choose a mode for a given amount of time.

In AUTO mode, press the  button.

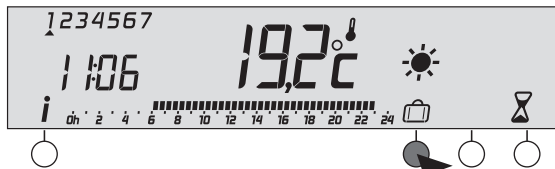
To set the duration you want (30 min. to 72 hours), use the + and - buttons, then press OK.


- Press + or - to adjust the temperature setting you want (5 to 30°C for heat mode and 18 to 35°C for cool mode), then OK to confirm and start the countdown.

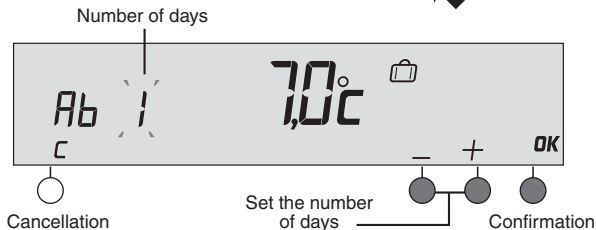
Pressing OK during the Timer mode changes the settings.

To cancel the timer mode in progress, press the **C** button.

## 11. Absence mode



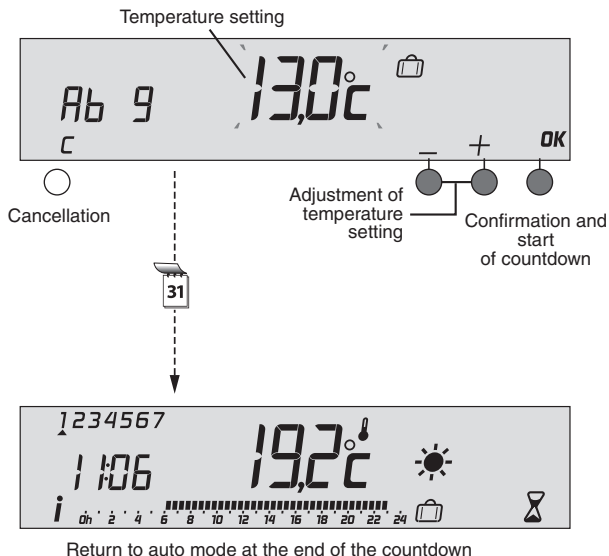
This mode protects your home from frost if you are absent for several days. In AUTO mode, press the  button.



- To set the number of days of absence you want (1 to 99), press on the + or - buttons, then confirm by pressing OK.

Example: For a departure on 1 March and a return on 10 March, program 9 days of absence. Automatic operation will resume at midnight between 9 and 10 March.

## 11. Absence mode



- Press + or - to set the temperature setting you want (5 to 15°C for heat mode), then OK to confirm and start the countdown. Your installation will be in off mode if the thermostat is in cool mode.

Pressing OK during the Absence mode is used to change the settings.

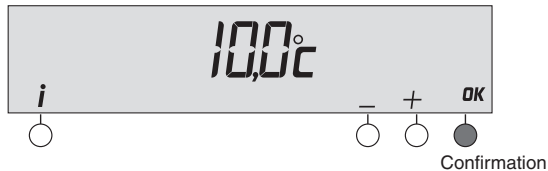
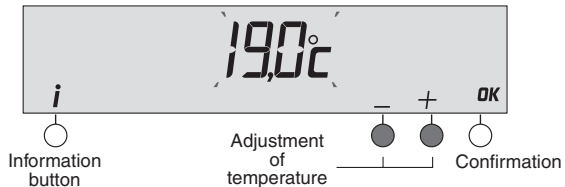
To cancel absence mode, press the **C** button.

## 12. Manual mode

This mode is used to choose a temperature setting that remains constant.

Turn the selector knob to .

- Press + or \_ to set the required temperature, then OK to confirm.








If necessary, press OK to change the setting.

To cancel this manual mode, turn the selector knob.





### 13. Heat-cool mode change (only for reversible heat pump)

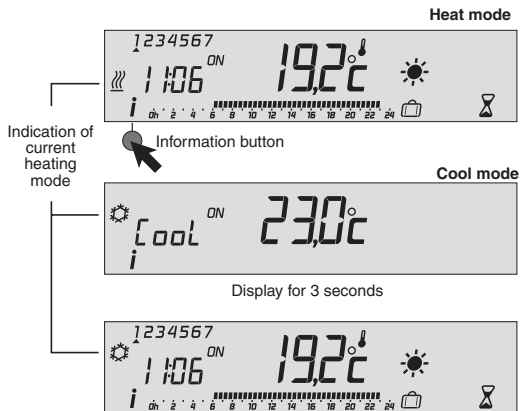
(change possible if the indication  or  is displayed on the screen, see CF04 menu).

To switch from Heat mode  (HEAT) to Cool mode  (COOL) and conversely, From **AUTO** or  modes, press the information button for 3 seconds. The screen briefly shows Cool as well as the temperature setting, then the Thermostat goes to cool mode.

Also set the Summer/Winter switch of your reversible system by using the following table:


Thermostat	Reversible system
 In heat mode	in winter position
 In cool mode	in summer position

Briefly pressing the **i** button, enables you to know what mode is in operation.




Cool mode can only be accessed if the CF04 menu is programmed at 1.

## 14. Off mode



This mode switches off your heating system.  
Turn the selector knob to .

Your transmitter displays the  
room temperature.

If you prefer to display the time during an  
extended shutdown of your system,  
turn the knob on the transmitter to position .



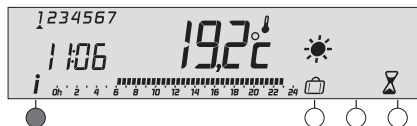
### Note:

Your installation will also be in off mode in the following positions:  **PROG** 

## 15. Information button

In AUTO mode, pressing the **i** button gives you the temperature of the room or the temperature setting according to the installation configuration (CF02 menu).

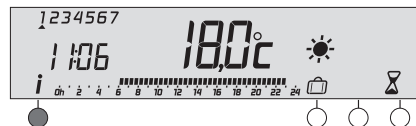
**Your thermostat displays the room temperature, pressing the **i** button displays the temperature setting:**



Temperature  
setting  
display



**Your thermostat displays the temperature setting, pressing the **i** button displays the room temperature:**

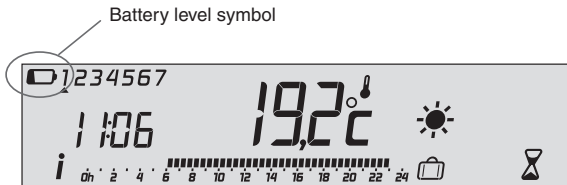


Room  
temperature  
display



## 16. Replacing the batteries

When the battery level symbol appears, you have approximately 1 month to replace them (two 1.5 V alkaline batteries, either LR03 or AAA).



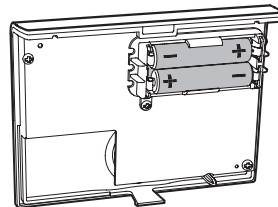
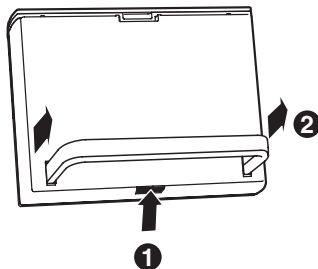
Precautions must be taken:

- Ensure that the +/- polarities are correctly placed when the battery is fitted into the unit.
- Do not dispose of used batteries in unauthorized places (you should respect the environment by taking the batteries to a suitable collection site).
- do not recharge them,
- you have about 30 seconds to replace the batteries before the time is reset (if this happens, reset the date and time). See the section on setting the time.

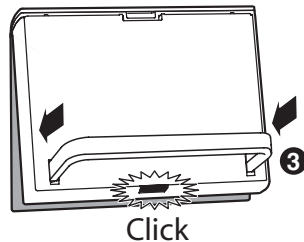
Never use rechargeable batteries. Use only alkaline batteries.



## 16. Replacing the batteries




- Open the transmitter unit by pressing the clip **1** and lifting off the rear part.
- Insert 2 LR03 type 1.5 V alkaline batteries taking care to ensure that the polarities are correct.
- Put back the rear part of the transmitter unit until the clip locks.



## 17. Restoring factory settings

You can perform a general reset to return to the configurations set in the factory:

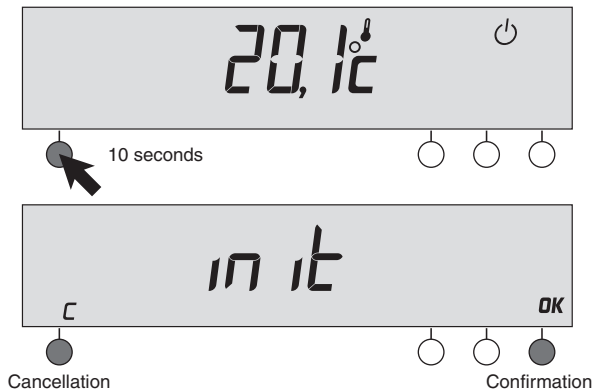
- default configuration settings
- default temperature settings,
  - Heat mode - Comfort: 19°C, Economy: 16°C
  - Cool mode - Comfort: 23°C, Economy: 28°C
- default programming (Comfort from 6am to 11pm).

Turn the knob to the  position.

- Press the left-hand button for 10 seconds.

Press **OK** to confirm or **C** to cancel.

Return to the display of the off mode.



## 18. Summary table of configurations

CF01	<b>Correcting the temperature measured</b> -4°C to +4°C in 0.1°C increments (0 by default)
CF02	<b>Automatic mode temperature display option</b> 0 = Temperature setting display (by default) 1 = Room temperature display
CF03	<b>Control of comfort temperature in heat mode</b> 0 = controlled by the Thermostat (by default) 1 = by each radiator or convector.
CF04	<b>Air conditioning function</b> 0 = Not authorised (by default) 1 = Authorised
CF05	<b>Circulator anti-seizing</b> 0 = Disabled (by default) 1 = Enabled
CF06	<b>Control time base</b> 0 = 15 minutes (by default) 1 = 30 minutes 2 = 45 minutes
CF07	<b>Home automation functions</b> 0 = No home automation functions (by default) 1 = Home automation functions associated with Thermostat
CF08	<b>radio configuration</b> - button = association
CF09	<b>Radio transmission test</b>

## 19. Technical characteristics

### **Transmitter:**

- Runs on two LR03- or AAA-type 1.5 V alkaline batteries, not supplied (autonomy greater than 2 years) "No rechargeable batteries"
- Class III insulation
- Proportional integral regulation  
time base: 15, 30, or 45 minutes
- Radio frequency: 868 MHz (EN 300 220 standard)
- Class 1 radio equipment (can be marketed and activated without restrictions)
- Wireless range: 100 to 300 metres in an open field, variable depending on the associated equipment (the range can vary depending on the installation conditions and the electromagnetic environment)
- Wireless remote control device
- Wall mounting (screws and screw anchors supplied)
- Dimensions: 111 x 84 x 28.5 mm
- Degree of protection: IP 30
- Storage temperature: -10°C to +70°C
- Operating temperature: 0°C to 40°C
- Installation in an environment with normal pollution levels

## 20. Help

This section is intended to help you quickly resolve the most common problems that you may encounter with your product when using it.

If in doubt, if the problem persists or if it is not in this list, contact our customer service.

---

### **Nothing is displayed on the room unit screen.**

There are no batteries.

*Check the batteries.*

---

### **The temperature displayed does not match the temperature measured in the room (thermometer).**

*Refer to the installation instructions or contact our customer service.*

---

### **Your heating system is off.**

The thermostat is in the , , , **PROG** or  mode.

---