

Climapro₂RF

Installation

**wireless room thermostat
without receiver**



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INTRODUCTION

1 Instructions guidance

1.1 Product documentation

The instructions are an integral part of the Climapro₂ RF and must be handed to the user on completion of the installation in order to comply with the current regulation.

- Carefully read the manual, to enable safe installation, use and servicing. No liability can be accepted in the event of damage for not complying with the guidance in this instruction manual.

• Associated documents

- User instructions

1.2 Explanation of symbols



DANGER: Risk of electric shock.



ATTENTION: Risk of damage to the Climapro₂ RF or to its vicinity.



IMPORTANT: Useful information.

2 Climapro₂ RF description

2.1 Regulation and statutory requirements

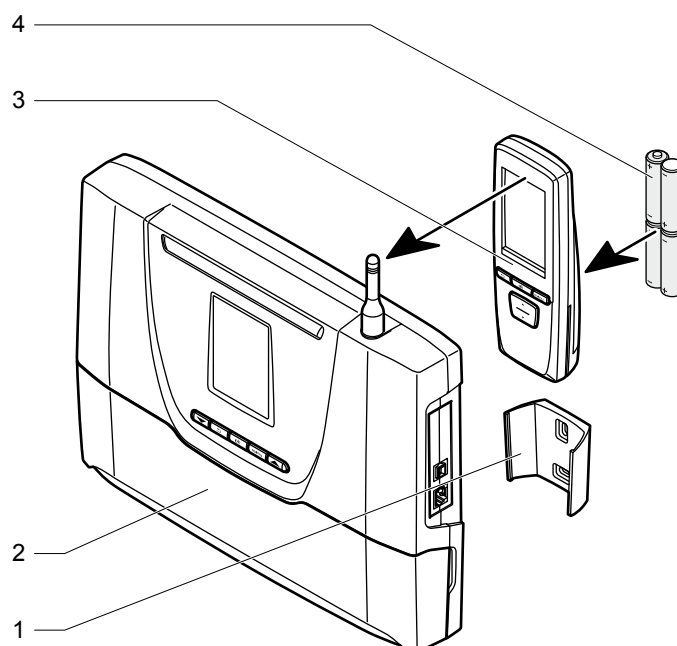
CE Mark

The CE mark indicates that the appliances described in this manual are in compliance with the following directives:

- European Directive Num. 2004-108 of the European Parliament and the Council regarding electromagnetic compatibility
- European Directive Num. 2006-95 of the European Parliament and the Council regarding low voltage
- Directive relating to telecommunications equipment (Council of the European Community directive R&TTE 99/5/CEE).

2.2 Operational Diagram

The room thermostat communicates with a control unit via a wireless connection.



Legend

- 1 Wall support for Climapro₂ RF
- 2 Control unit
- 3 Room thermostat
- 4 Batteries

3 Safety instructions and regulations

3.1 Safety instructions

All work inside Climapro₂ RF must be carried out by a qualified professional or Glow-worm's After-Sales Service.

Climapro₂ RF must only be installed by a qualified and responsible professional.

Respect the basic safety instructions:

- Turn off the control unit's power supply.
- When work on the appliance is completed, perform an operational test and check for safety.

3.2 Regulations

During the installation and activation of the appliance, the decrees, directives, technical regulations, standards and clauses hereafter must be complied with in the versions that are currently in force.

4 Recycling



The recycling of the packaging must be carried out by the qualified professional who installed the room thermostat.

4.1 Climapro₂ RF

Most of the appliance is made of recyclable materials.



This symbol indicates that this unit must not be disposed of with household waste. It should be selectively collected for energy recovery, reuse or recycling.

-
- Take the unit to an appropriate collection point for processing, energy recovery and recycling of waste.



By complying with this directive, you will contribute to the preservation of natural resources and the protection of human health.

4.2 Packaging

We recommend that you recycle the packaging of Climapro₂ RF in a responsible fashion.

- Sort the waste in order to separate those elements which can be recycled (cardboard, plastics) and those which cannot be recycled.
- Dispose of the waste in accordance with existing regulations.

INSTALLATION

5 Installation location

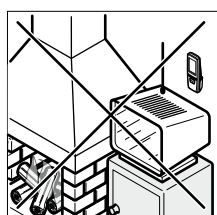
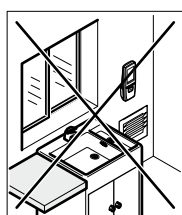
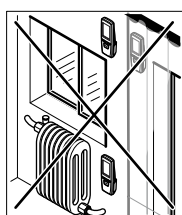
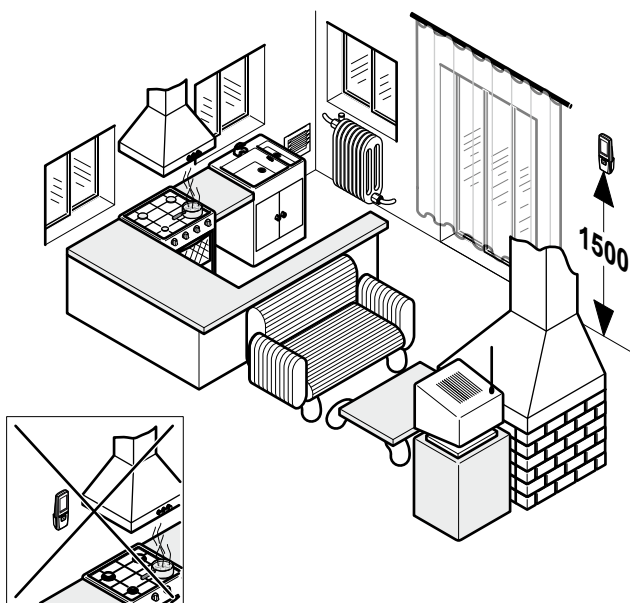
- Explain the following requirements to the user.

Install Climapro₂ RF:

- in a room protected from frost,
- on an interior wall of the main room in the home,
- at approximately 1.50 metres from the floor (according to the regulations in force).

Do not install Climapro₂ RF:

- near sources of heat, such as radiators, chimney walls, televisions or solar radiation,
- above a cooker that is likely to give off steam and grease,
- on cold walls,
- between units or behind curtains or other objects that might disturb temperature recording for the ambient air in the room,
- in a room that is heavily loaded with dust or where the atmosphere is corrosive,
- near air currents that may come from doors or windows.

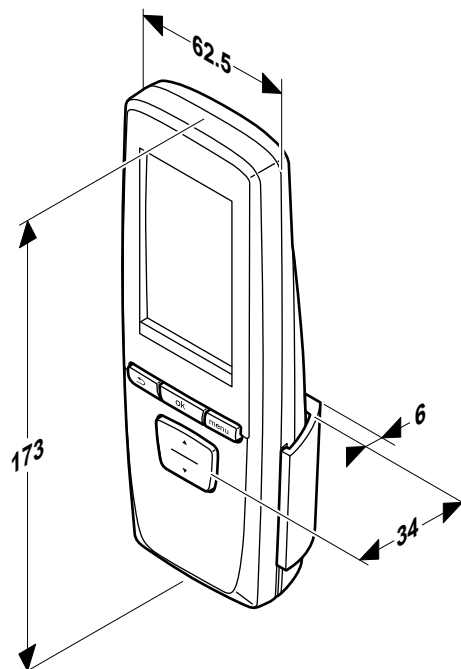


6 Climapro₂ RF Installation

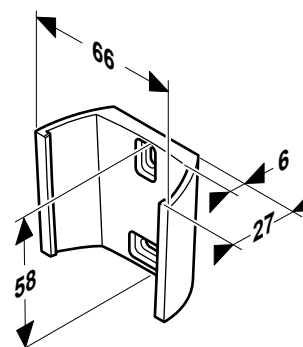
All of the measurements in this chapter are expressed in mm.

6.1 Dimensions

6.1.1 Room thermostat



6.1.2 Wall support for Climapro₂ RF



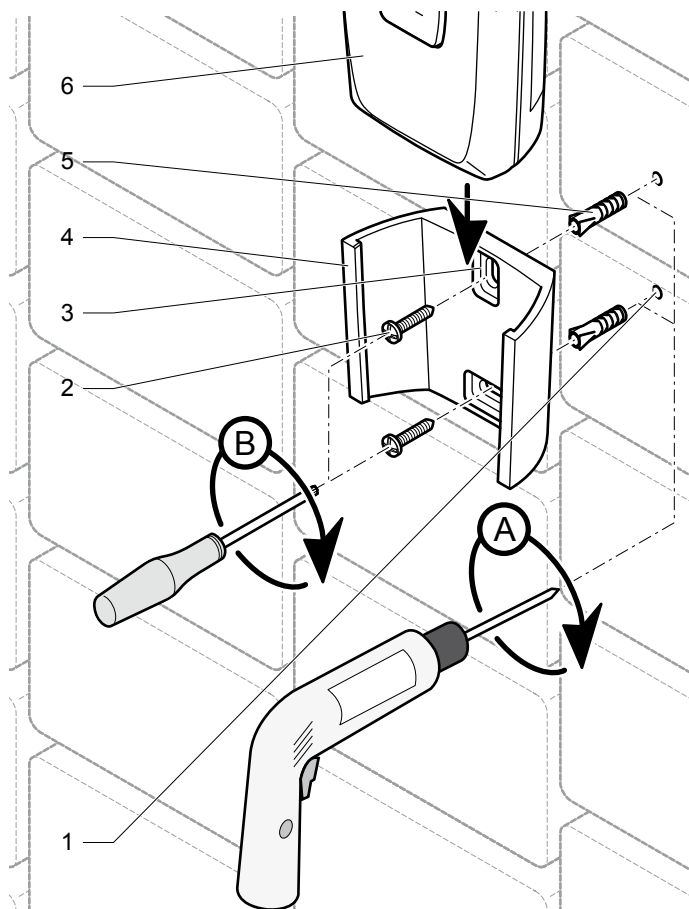
6.2 List of contents

- This list contains the following:
- Climapro₂ RF programmable room thermostat
- wall support for Climapro₂ RF
- packet containing 2 fixing screws with rawlplugs
- 4 "AA LR6 " alkaline batteries.

7 Fixing

7.1 Fixing the room thermostat

- Determine the installation location. See the "Installation location" chapter.



Legend

- 1 Drilling
- 2 Fixing screw
- 3 Fixing holes
- 4 Room thermostat support
- 5 Plugs
- 6 Room thermostat

- Position the room thermostat support (4) on a wall.
- Drill (A) the screw holes (1) in accordance with 2 mounting holes (3) in the wall support (4).
- Insert the rawlplugs (5) in the holes (1).
- Secure (B) the room thermostat support (4) with screws (2).
- Slide the room thermostat (6) into its support (4).

8 Electrical connections

8.1 Pairing (recognition)

See the installation manual control unit.

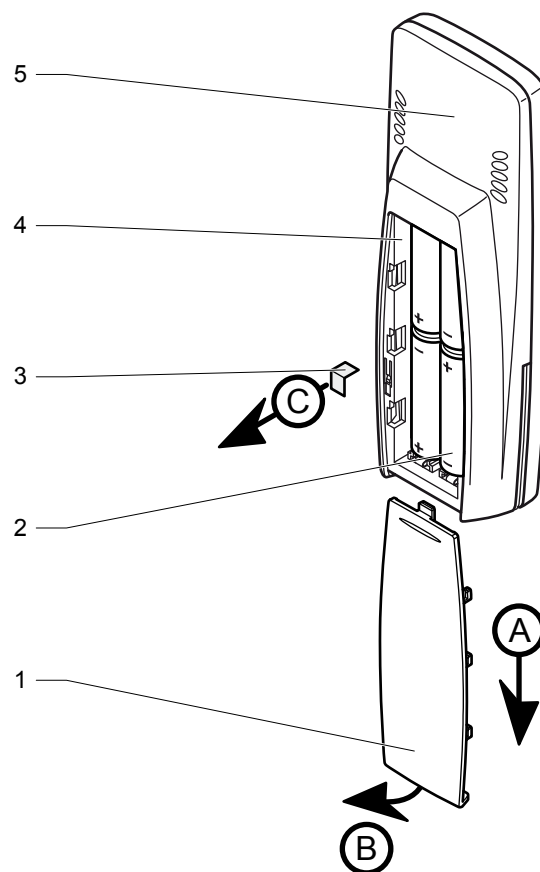
The Climapro2 RF and the Systempro control unit must be paired.

9 Commissioning

9.1 Appliances included in the installation

- Turn on the appliances that make up the installation (see the installation manuals).

9.2 Room thermostat

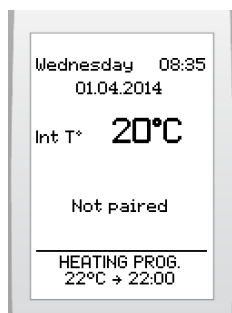


Legend

- 1 Battery cover
- 2 Batteries
- 3 Insulating strip
- 4 Battery compartment
- 5 Room thermostat

- Remove the insulating strip (3) located in the battery compartment, respecting the order of operations (A) to (C).

The room thermostat shows it is not connected.



- Perform the pairing of the room thermostat based on your installation (see pairing section).

10 Specific settings

Accessing the installer menu allows for some adjustments to be made to the installation (room thermostat and wireless outdoor sensor) and the room thermostat's user menu.

10.1 Main settings

Function	Title	Action
Heating	Maximum room temperature	Choose a value between 5 °C and 30 °C. (factory setting: 30 °C).
	Room temperature correction	Choose a value between -5 °C and 5 °C with a step of 0.5 °C. (factory setting: 0 °C).
Hot water	On/Off	Activate (ON) or deactivate (OFF) (default setting: ON).
	Program	Enable (YES) or disable (NO) (default setting: ON).
Cooling function	On/Off	Activate (ON) or deactivate (OFF) (default setting: OFF).
	Program	Enable (YES) or disable (NO) (default setting: OFF).
Efficient energy use	Energy efficiency index	Enable (YES) or disable (NO) (default setting: OFF).

10.2 Access to the installer menu

- Press button for 7 seconds.
- Enter the installer access code 96.



10.3 Description of the installer menu

Menu	Browsing
	Use the buttons:
	Select with the button:
	Press the button: <ul style="list-style-type: none"> to return to the installer menu screen,, for 3 seconds to return to the user's main screen.



Showing/enabling and disabling of functions is reflected in the user menu.

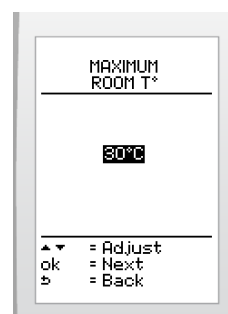
10.4 Heating function

Menu	This menu lets you:
	Define the maximum adjustable room temperature.
	Correct the measurement of the room temperature.

10.4.1 To set the maximum room temperature

This function lets you adjust the maximum room temperature that can be set by the user (value adjustable between 5 and 30 °C - factory setting: 30 °C).

- From the installer menu (see access to the installer menu) > select on the screen > heating function > maximum room temp.

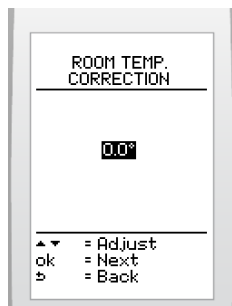


- Increase or decrease with the buttons to display the initial cooling temperature and press the button .

10.4.2 Correcting the room temperature

This function lets you rectify the temperature measured by the room temperature thermostat (by +/- 5 °C with a step of 0.5 °C - (factory setting : 0).

- From the installer menu (see access to the installer menu) > select on the screen > **heating parameters** > **correction room T° correction**.



- Increase or reduce with the buttons to display the desired correction and validate with button .

10.5 Domestic hot water function

Menu	This menu lets you:
	<p>Show or hide the domestic hot water function in the end user menu.</p>
	<p>Enable or disable the domestic hot water heating program in the end user menu.</p>

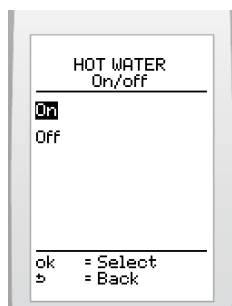
10.5.1 Activate or deactivate the hot water function

This function lets you activate or deactivate the hot water menu for the user. When the function is activated, the function will be shown in the end user menu.



If the function is deactivated, the domestic hot water settings are adjusted via the appliance.

- From the installer menu (see access to the installer menu) > select on the screen > **hot water** > **on/off**.



- Press to highlight your choice (activate or deactivate) and press the button to confirm.

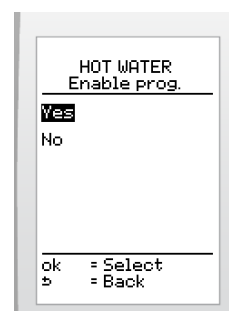
10.5.2 To activate or deactivate the domestic hot water heating program



The hot water function must be activated before the program can be set up. Depending on the appliance, deactivation cuts off the hot water heating as well as the production of hot water (see the appliances installation manual).

This function makes it possible to allow the user to program domestic hot water heating.

- From the installer menu (see access to the installer menu) > select on the screen > **hot water** > **enable program**.



- Press to highlight your choice (enable or disable) and press the button to confirm.

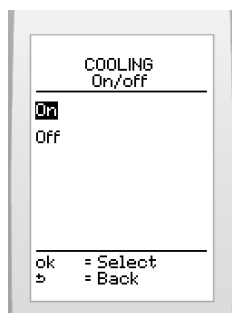
10.6 Cooling function



Menu	This menu lets you:
	<p>Show or hide the cooling function in the end user menu.</p>
	<p>Enable or disable the cooling program in the end user menu.</p>

10.6.1 Activate or deactivate the cooling function

This function allows the user to activate or deactivate the cooling menu. When the function is activated the function will be shown in the end user menu.

- From the installer menu (see access to the installer menu) > select on the screen > **cooling** > **on/off**.



- Press  to highlight your choice (activate or deactivate) and press the button  to confirm.

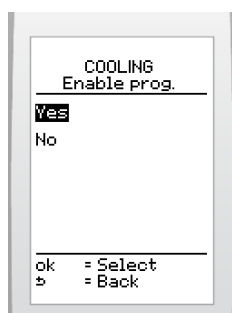
10.6.2 Enable or disable the cooling program





The cooling function must be activated before the program can be set up.

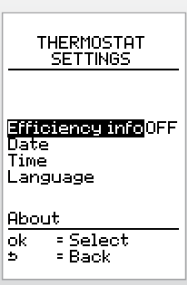
This function makes it possible to allow the user to program cooling.

- From the installer menu (see access to the installer menu) > select on the screen > **cooling** > **enable program**.



- Press  to highlight your choice (activate or deactivate) and press the button  to confirm.

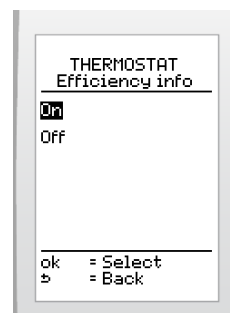
10.7 Options



Menu	This menu lets you:
	Activate or deactivate the system efficiency info.
	Adjust the date and time
	Choose the language
	Display information: zone, type and software version for the room thermostat

10.7.1 System efficiency information

This function allows the user to activate or deactivate the system efficiency information.

- Via the installer menu (see installer menu) > select > **settings** > **effic. info** on the screen.







- Press  to highlight your choice (activate or deactivate) and press the button  to confirm.

10.7.2 Setting the current date

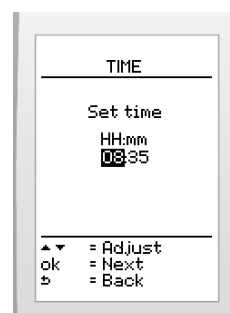
- From the installer menu (see access to the installer menu) > select on the screen > **options** > **date**





- Set the display format of the current date by pressing  and pressing the button  to confirm. There is a choice between the factory setting day/month/year and year/month/day.
- Set the current date by pressing  and pressing the button  to confirm.

10.7.3 Setting the current time

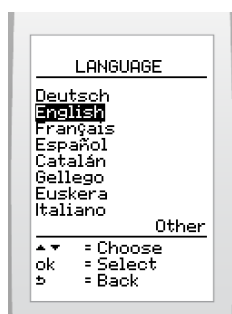
- From the installer menu (see access to the installer menu) > select on the screen > **settings** > **time**



- Set the time by pressing  and pressing the button  to confirm.

10.7.4 Choose the language for the menus



- From the installer menu (see access to the installer menu) > select on the screen > **settings** > **language**



To display the additional languages:

- From the installation menu (see access to the installer menu) > select on the screen > **other**



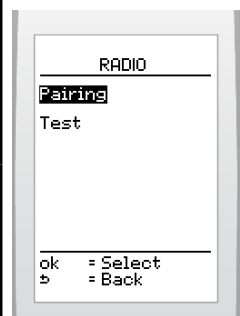
- Choose the language with the button  and press the button  to confirm.

10.7.5 Climapro₂ RF General information

This feature allows you to display the following information: area, software type and version.

- From the installer menu (see access to the installer menu) > select on the screen > **options** > **about**

10.8 Radio

Menu	This menu lets you:
	<p>Establish the connection between the radio receiver and the Climapro₂ RF.</p> <p>Test the quality of the radio signal (Climapro₂ RF and wireless outdoor sensor).</p>

10.8.1 Recognition

This function lets you perform the pairing between the Climapro₂ RF and the radio receiver.

- From the installer menu (see access to the installer menu) > select on the screen > **RF** > **pairing**
- Consult the control unit installation manual.

10.8.2 Test

This function allows you to test the signal quality between the Climapro₂ RF and the control unit.

If the heating system includes a wireless outdoor sensor, the Climapro₂ RF will also indicate the quality of the signal between the sensor and the control unit.



Wait about fifteen minutes after activating the thermostat and remote sensor before testing.

Signal Quality	Comment
Excellent	Normal functioning
Average	
Poor	Operating limit*
Null	Inoperative*



() Check the room thermostat's batteries (see the instructions). If the signal quality does not improve. Change the location of the appliances, reducing distances and removing obstacles.*

- From the professional menu (see access to the professional menu) > select on the screen > **RF** > **test**

11 Control / Commissioning

After installing Climapro₂ RF:

- Start the appliance according to the operating instructions and check for correct operation.

12 User information

At the end of the installation:

- explain the operation of the appliance and its safety devices to the user, if necessary provide a demonstration and answer any questions;
- give the user all the required documentation,
- fill in the documents where necessary;
- advise the user of the precautions necessary to prevent damage to the system, appliance and the building;
- remind the user to service the appliance annually.

MAINTENANCE

13 Fault diagnosis



Faults described in this chapter should be carried out by a qualified engineer and if needed by the After Sales Service.

You will find a list of certain error codes in the user manual.

In the event of a problem:

- Check the error messages in the thermostat's display zone.

TECHNICAL DATA

14 Climapro₂ RF

Description	Unit	Climapro ₂ RF
Transmission/reception frequency	MHz	868
Transmission / reception frequency between the outdoor sensor and the room thermostat (via the control unit)	min	15
Transmission / reception frequency between the control unit and the room thermostat	min	10
Average unobstructed working range (*)	m	100
Average range within the home (*)	m	25
(*) Can vary according to installation conditions and electromagnetic environment		
Room thermostat		
Room temperature authorized in the room where the appliance is installed	°C	50
Dimensions:		
Height	mm	173
Width	mm	62,5
Depth	mm	34
Supply: 4 "AA LR6 " alkaline batteries	V	4 x 1.5
Battery life (**)	month	18
(**) Under normal conditions of use		
Room thermostat support		
Dimensions:		
Height	mm	58
Width	mm	66
Depth	mm	27
Spacing between the room thermostat (in support) and the wall	mm	6



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Because of our constant endeavour for improvement, details may vary slightly from those shown in these instructions.

Glow-worm, Nottingham Road, Belper, Derbyshire. DE56 1JT