FR Thermostat programmable radio
**EN** Wireless programmable thermostat
DE Programmierbarer Funkthermostat
NL Draadloos programmeerbare thermostaat

X3D

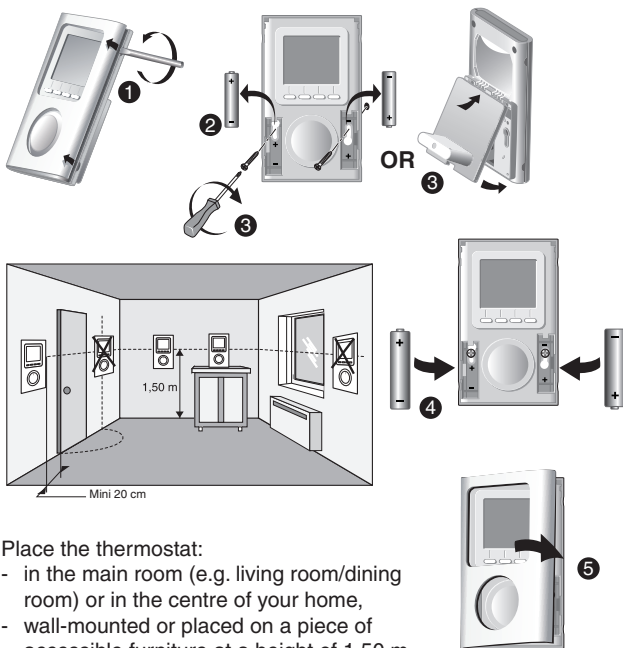# Contents

Contents

1. Installation

Place the thermostat:
- in the main room (e.g. living room/dining room) or in the centre of your home,
- wall-mounted or placed on a piece of accessible furniture at a height of 1.50 m
- away from heat sources (fireplaces, sunlight) and draughts (windows, doors)

IMPORTANT: Do not install the thermostat on a wall in contact with the outdoors or with an unheated room (e.g. garage, etc.).

2. Description

1. AUTO mode
2. Comfort mode
3. Economy mode ⎫ Temperature
4. Frost protection ⎬ setting
   mode   ⎭
5. Date and time setting/
   Programming

1. Time
2. Day
3. Temperature measured
   or setting
4. Active setting
5. Wireless transmission
6. "Party" mode
7. Absence mode
8. Information
9. Shutdown mode
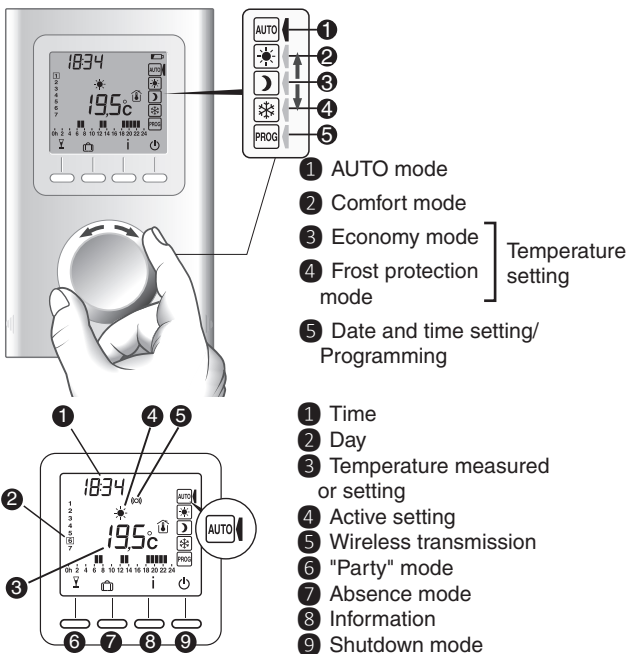
Standby mode:
The product switches to standby mode after a certain time
without any activity. Activate the product by pressing a button
or turning the selector knob

3. Wireless association
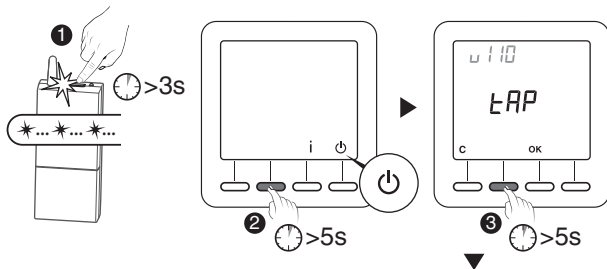
❶ **Set the receiver(s)** to association mode (refer to receiver guide),

❷ **The thermostat must be in shutdown mode.**
Press and hold the 2nd button from the left for 5 seconds.
The screen displays the thermostat version.

❸ Press and hold the 2nd button from the left for 5 seconds again.
The screen displays the rF01 menu.

❹ Press OK.
The thermostat searches for the receivers to associate.
The number of receivers found and associated is displayed in the centre of the screen.

Number of receivers

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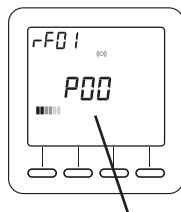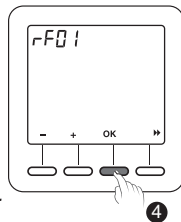
4. Configuration

The thermostat must be in shutdown mode.

❶ Press and hold the 2nd button from the left for 5 seconds.
The screen displays the thermostat version.

❷ Press OK.
The screen displays the CF01 menu.

❸ Choose your selection or setting with + and -.
Press OK to validate and go to the next setting.

To exit the mode, turn the selector knob

Note: the greyed out sections of the tables match the default values

CF01 - Correcting the temperature measured

Can be set from -5°C to +5°C.
Example: the temperature displayed by the unit is 19°C and the actual temperature (thermometer) is 20°C, set +1°C.

EXIT
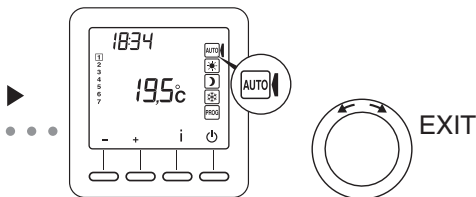
CF02 - Temperature displayed in AUTO mode

0	Temperature setting
1	Temperature measured

CF04 - Control type

0	Chrono-proportional (PI) control
1	ON/OFF control

CF05 - Energy saving mode

0	Display switches off after 10 seconds if nothing is pressed
1	Display switches off between midnight and 5am
2	Display always on

CF06 - ON/OFF button display in standby mode

0	Symbol ⏻ not displayed in standby mode
1	Symbol ⏻ displayed in standby mode

CF07 - Backlighting

0	Disabled
1	Enabled (switches off after timer)

CF08 - Opening detection function ▥

0	Disabled
1	Enabled

If a door/window magnetic contact (e.g. window) is associated with the receiver, the heating will switch to Frost protection when the window is opened.

CF09 - Presence detection function

0	Disabled
1	Enabled

If a motion detector is associated with the receiver, the temperature will be lowered automatically in the event of an extended absence:
• 1.5 h -> Active setting -1.5°C
• 3.5 h -> Active setting -3.5°C
• 48 h -> Frost protection setting

CF10 - Value of the max. comfort setting

Can be set from 22°C to 30°C.
Default value: 28°C

CF11 - Programming format

0	Programming in 1 h steps
1	Programming in 1/2 h steps

CF12 - Time display format

0	12 (AM/PM)
1	24

CF13 - Automatic change to summer/winter time

0	Disabled
1	Enabled

If CF13 = 0, the date setting will not be proposed.

CF15 - Display of the symbol ▦

0	Symbol always steady even for a presence detection event
1	Symbol flashes if there is a presence detection event

If CF08 = 1:

CF16 - Display of the λ symbol (heating request)

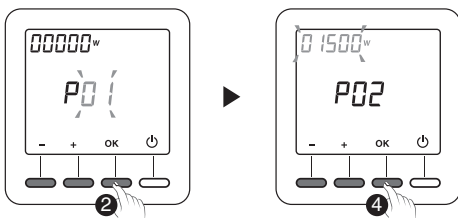| 0	Symbol not displayed
1	Symbol displayed

CF17 - Display of the symbol ⌒

| 0 | Symbol steady if there is a presence detection event |
| 1 | Symbol flashes if there is a presence detection event |

CF18 - Display of the consumption

| 0 | Disabled |
| 1 | Enabled |

If the display of the consumption is enabled, specify the power of the heating elements

1 Select the heating element
2 Confirm with OK.

3 Specify its power in Watts.
4 Confirm with OK.

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CF28 - Anticipation function

The anticipation function enables the required Comfort temperature to be obtained at the programmed time.

0	Deactivated
1	Activated

Press + or - to activate or deactivate.
Press OK to confirm. Change to the CF29 menu.

CF29 - Anticipation sensitivity settings

The slope setting depends on the heating system.
It is set between 1°C to 6°C (in increments of 0.1°C).
Default value: 3°C.
If the temperature is reached too early, reduce the value.
If the temperature is reached too late, increase the value.
Press + or - to set.
Press OK to confirm. Change to the CF30 menu.

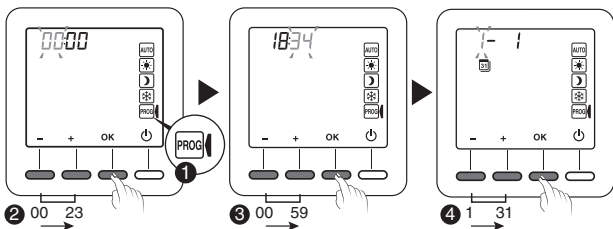## CF30 - Display of room temperature in shutdown mode

0	Deactivated
1	Activated

Press + or - to activate or deactivate.
Press OK to confirm and leave the setting mode.

5. Setting the clock

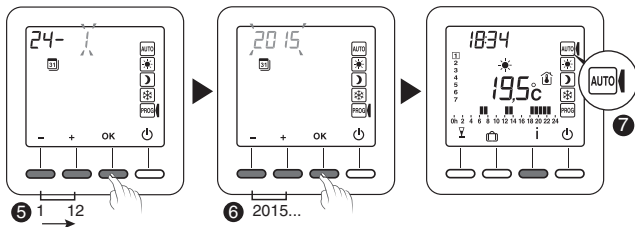❶ Turn the selector knob to PROG.

❷ 00 23

❸ 00 59

❹ 1 31

❷ Enter the hour and confirm with OK.

❸ Enter the minutes and confirm with OK.

❹ Enter the day and confirm with OK.

❺ 1 12

❻ 2015...

❺ Enter the month and confirm with OK.

❻ Enter the year and confirm with OK.

❼ Turn the selector knob to AUTO to exit the mode

The date setting cannot be proposed (see CF13 configuration).

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6. Setting the temperatures (settings)

If you remain in one of these modes, the thermostat will operate permanently in relation to this setting (no programming)
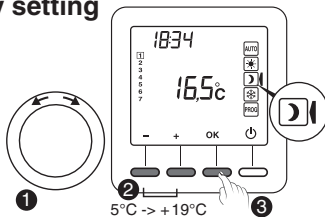
6.1 Defining the comfort setting

❶ Turn the selector knob to ☀.
❷ Set the Comfort temperature
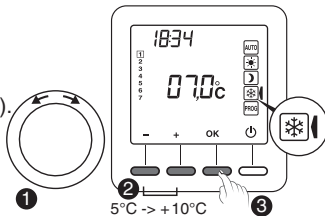(5°C to max. Comfort).
Configuration CF10
❸ Confirm with OK.

❷ 5°C -> Confort max. ❸
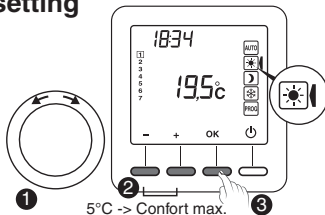
6.2 Defining the Economy setting

❶ Turn the selector knob to ☽.
❷ Set the Economy temperature
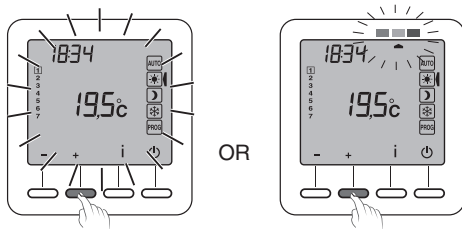(5°C to max. Comfort).
❸ Confirm with OK.

❷ 5°C -> +19°C ❸

6.3 Defining the Frost protection setting

❶ Turn the selector knob to ❄.
❷ Set the Frost protection
temperature (5°C to max. Comfort).
❸ Confirm with OK.

❷ 5°C -> +10°C ❸

6.4 Behavioural indicator

When the settings are adjusted, depending on the thermostat model, the colour of the screen changes or an indicator is displayed according to the selected temperature.

OR

Green up to 19°C (reduced consumption)

Orange from 19.5°C to 24°C (average consumption)

Red from 24.5°C to max. comfort (High consumption)

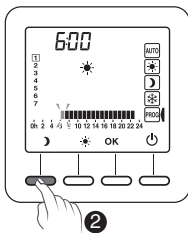To benefit from this function, according to the thermostat model, activate the backlighting function (CF05).

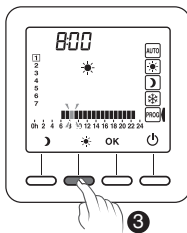## 7. Programming

❶ Turn the selector knob to **PROG**.

Upon activation, the programming for each day is a comfort period from 6am to 11pm.

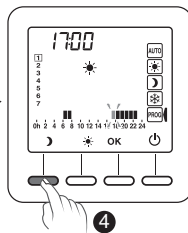You can create your different Economy and Comfort periods using the ☀ and ☽ buttons.

Example: Comfort from 6am to 8am and 5pm to 11pm
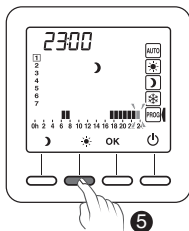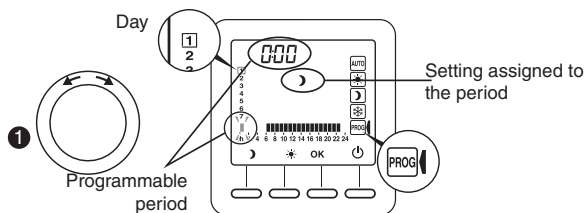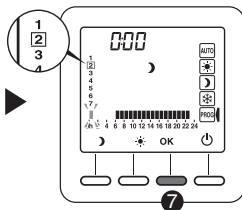

❷ Press ☽ up to 06:00

❸ Press ☀ up to 08:00

❹ Press ☽ up to 17:00

Programming can be made by steps of 1 hour or 1/2 hour (configuration menu CF11).

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Day

Setting assigned to the period

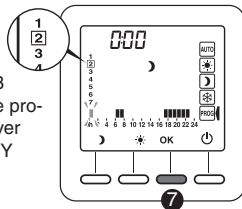Programmable period

5 Press ☀ up to 23:00
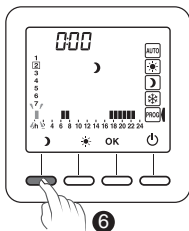
6 Press ☽ up to 00:00

7 Press OK to validate and go to the next day.

7 Pressing OK for 3 seconds confirms the program and copies it over to the next day (COPY function).

Start again for each day of the week.

8. AUTO mode

In AUTO mode, the thermostat follows the programme of the day.
The ◊ symbol indicate a heating request (configuration CF16).
The automatic programme can be temporarily suspended by:
- a "Party Mode" override (⅄),

- an Absence mode (⌂),

- a window magnetic contact (symbol ▯▯),
  if the function is activated (configuration CF08).
  The heating then goes to Frost Protection.

- an absence detection (symbol ☛ off), if the function is
  activated (configuration CF08).
  The heating then goes to "lower":
  • Absence 1.5 -> Active setting -1.5°C
  • Absence 3.5 -> Active setting -3.5°C
  • Absence 48 h -> Frost-protection

◊ : Heating request	☛	: Presence detection in progress
⅄ : Party mode		
⌂ : Absence mode	☜	: External override
🌡 : Temperature measured	▭	: Spent battery
🌡 : Outdoor temperature	((o))	: Radio transmission
▯▯ : Door/window magnetic contact active		
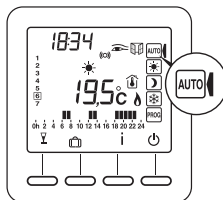
9. "Party" mode

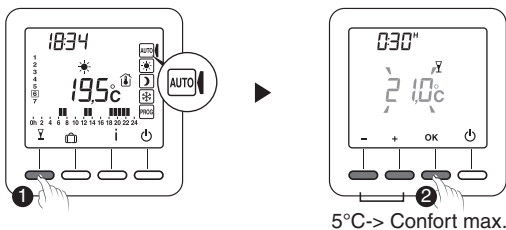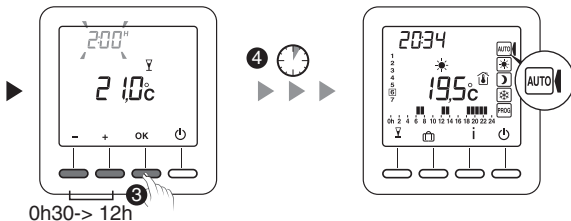The "Party" mode can temporarily suspend the automatic programme by applying a temperature setting chosen for a programmed duration (from 30 minutes to 12 hours).

5°C-> Confort max.

❶ From the **AUTO** mode and press the Ⓨ button.

❷ Set the required temperature. Confirm with OK.

0h30-> 12h

❸ Set the required duration. Confirm with OK.

❹ The countdown starts. Return to **AUTO** mode and its settings at the end of the countdown by by pressing **C**.

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10. Absence mode

This mode protects your home from frost if you are absent for
several days.
Example: Leave on Friday 10 - Scheduled return on Sunday 19,
programme 9 days absence.

VEN 10   DIM 19

❶ Turn the selector knob on
AUTO and press on 🏠.

1-> 365

❷ Set the number of days of
absence. Confirm with OK.

5->28°C

❸ Set the absence temper-
ature. Confirm with OK.

4 ⏰

❹ The countdown starts.
Return to **AUTO** mode and
its settings at the end of the
countdown by by pressing **C**.

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11. External override

The external override is used to suspend the automatic operation of the thermostat from another wireless transmitter allowing this function.

For an external override, the symbol and the new override value are displayed.
Thermostat follows the parameters demanded by the external transmitter.
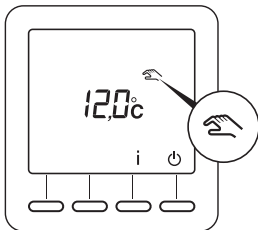
During the external override, if the symbol does not appear on the thermostat screen, press the i button or turn the selection knob to refresh the display.

12. Anticipation

You have programmed your Comfort and Economy periods.
Anticipation (configuration menus CF28 and CF29) enables you to obtain the required Comfort temperature directly at the programmed time.

Example: you programmed Comfort for 6pm, but the anticipation function starts to raise the temperature beforehand (e.g. 4.30pm).

In AUTO mode, the current anticipation is shown by the flashing ☀ symbol.

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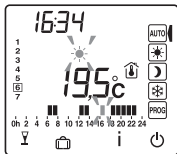
13. Information button

The Information button (i) enables the following the information to be known:
- actual temperature setting or temperature measured (according to configuration),

- outside temperature (if the receiver is associated with an outdoor sensor),

- the total consumption of the associated heating elements (configuration CF18).

Repeatedly press the i button
to display this information.

To reset the reading counter,
press the **C** button 3 times.
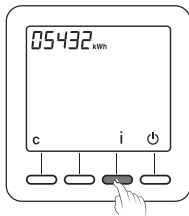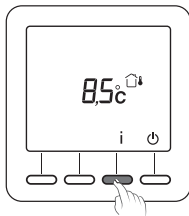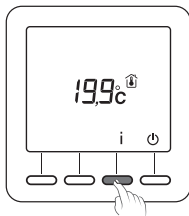
14. Locking access to the settings

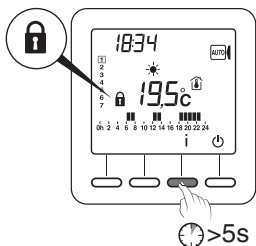From the AUTO, ☀ , ☽ , ❄ modes.

Press and hold the i button for 5 seconds.
The 🔒 symbol appears.

In locked mode, only the
On/Off (⏻) and Information (i)
buttons are accessible.

To enable the beeps again, press
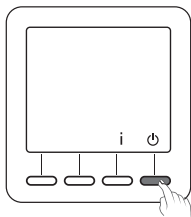the i button for 5 seconds.
The 🔒 symbol appears.

15. Off mode

Press ⏻.
The thermostat emits a series of 3 beeps.

In this mode, heating is shut down.

To exit the shutdown mode, press
again on the ⏻button.
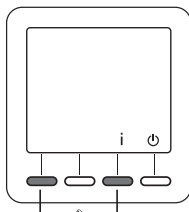*The thermostat emits a beep.*

In this mode, heating is shut down.
Only the i button can be accessed.

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16.1 Automatic reset of parameters to factory setting

From the shutdown mode (()).

❶ Press the left button and the
i button simultaneously for 10 seconds
until "Init" is displayed.

❷ Press and hold the OK button for 3 seconds. ⏱>10s
The "Init" information flashes.

List of settings initialised:
- Temperature settings
  (Comfort 19°C, Economy 15.5°C,
  Frost protection 7°C),
- Opening detection function (CF08=1),
- Presence detection function (CF09=0),

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16.2 Initialisation of all the parameters

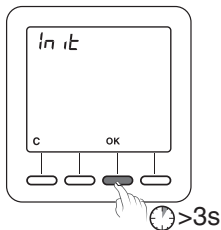This mode resets all the configuration parameters, settings, and programming. Only the date and time are kept.

From the shutdown mode (⏻).

❶ Press the left button and the
i button simultaneously for 20 seconds.
After 10 seconds, the screen displays "Init",
keep pressing until "ALL" is displays.
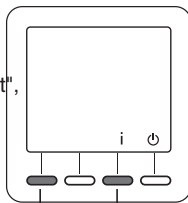
❷ Press and hold the OK button for 3 seconds.
The "Init" and "ALL" information flashes.
The values and settings are initialised.

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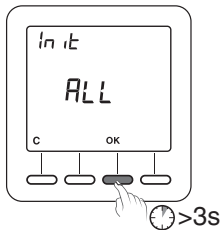
17. Remove the wireless association.

1 **The thermostat must be in shutdown mode.**
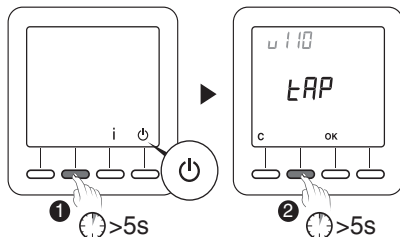Press and hold the 2nd button from the left for 5 seconds.
The screen displays the thermostat version.

2 Press and hold the 2nd button from the left for 5 seconds again.
The screen displays the rF01 menu.
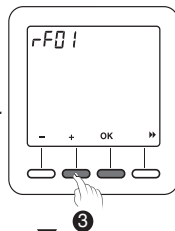
3 Press + to display rF03, then press OK.
The number of receivers found and associated is displayed in the centre of the screen.

4 Press OK for 5 seconds.
The thermostat removes the wireless associations until "00" is displayed.

18. Changing the batteries

From the moment the symbol is displayed on the screen, you have 3 months to change the batteries (see technical characteristics).

19. Troubleshooting

• **The screen displays the ▭ symbol.**
   The batteries are spent. Replace the batteries

• **A receiver does not receive information from the thermostat.**
   The radio range may be insufficient.
   *1)* Disconnect all your receivers, apart from the one causing the problem.
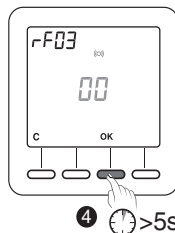   2) The thermostat must be in shutdown mode.
   3) Press and hold the 2nd button from the left for
   5 seconds. *The screen displays the thermostat version.*
   4) Press and hold the 2nd button from the left for 5 seconds again. *The screen displays the rF01 menu.*
   5) Press + to display rF02.
   The screen displays a number from 0 to 4 (4 being the maximum range). If the number is too low, modify the installation.

20. Technical characteristics

- Power according to model:
  - Two 1.5 V LR03/AAA alkaline batteries (supplied),
  5-year life under normal use (CF05=0),
  - Two 1.5 V, 1.5 Ah LR03/AAA lithium batteries (supplied),
  10-year life under normal use (CF05=0),
- Class III insulation
- X3D Transmission frequency: 868.7 MHz to 869.2 MHz
- Maximum radio power < 10 mW
- Receiver category II
- Wireless remote control device
- Wireless range from 100 to 300 metres outside, varies depending on the associated equipment (the range can vary depending on the installation conditions and the electromagnetic environment).
- Dimensions: 81 x 135 x 22 mm
- Protection index: IP 30
- Wall-mounted on on base
- Installation in an environment with normal pollution levels
- Storage temperature: -10°C to +70°C
- Operating temperature: 0°C to +40°C

CE