Siesta - TA® RF Emisor

Digital Radio Thermostat Code: 29.083

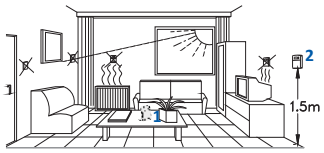
Siesta - TA® ECO RF Emisor

Digital Thermostat Heating Via Radio Code: 29.082

Instructions for Installation and Use

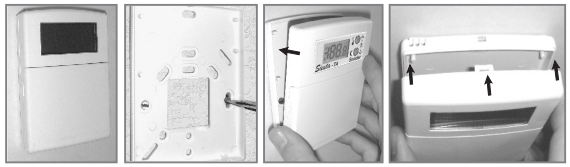
Emitter installation

Location - Keep away the emitter of any source of heat or direct light

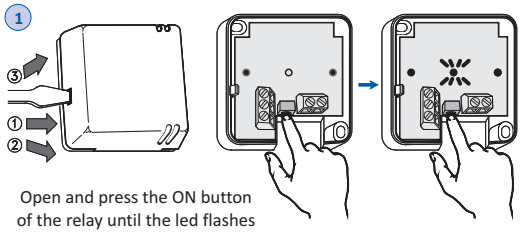


1 Support to put over table (Optional)

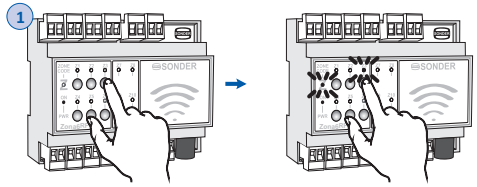
2 Wall installation



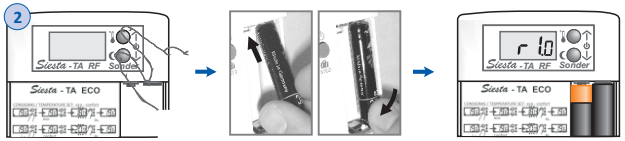
Coding between emitter and receiver



Open and press the ON button of the relay until the led flashes



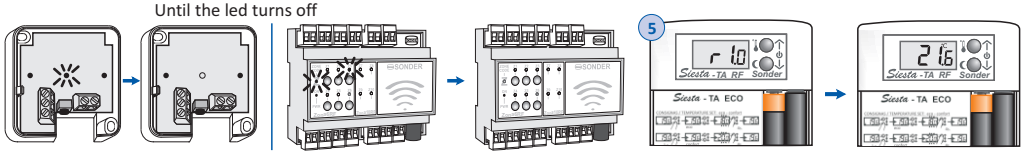
Press the forced ON button of the relay to code with the transmitter of that zone, until flashing LEDs of zone & encoder



Hold down — Put batteries — and keep ...

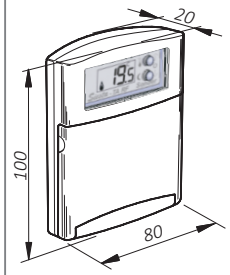
If you have installed the batteries, before coding it, you have to remove them & wait until the display shut down

Until the led turns off



Technical data

Measures mm:

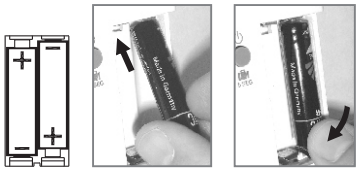


Net weight: 95 g

Power supply:. 2 alkaline battery 1,5V LR03 (AAA)
Low battery indicator:..... "bAt"
Battery duration:..... 2 years, aprox
Regulation scale:..... from 5 to 35°C
Transmission frequency:..... 868,3 MHz
Ambient temperature:..... from 0°C to 40°C
Storage temperature:..... maximum 50°C
% Relativity Humidity operating:.. from 20 to 85%
Dregee of protection:..... IP20
Action Type According EN 60730:..... 1.B
Homologated:..... CE
Approximate maximum distance between emitter and receiver:..... 130m in free field

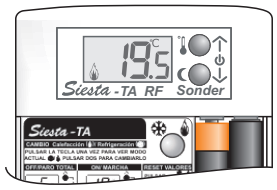
Batteries replacement

Insert 2 LR03 AAA 1.5V batteries. Make sure are on the right position of polarity, as shown picture & always introducing them as indicated. **Very Important: Don´t use rechargeables batteries**



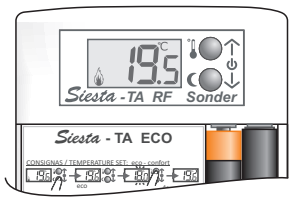
Emitter

Siesta - TA RF Emisor



Comfort setpoint (starting display)	Eco setpoint (starting display)	ON/OFF (starting display)	Regulation mode (internal key)
Next parameter (within parameters)	Change value (within parameters)	Input to parameters (within setpoint change)	Reset (pressing 10 s)
		Coding emitter-receiver (programmationn)	

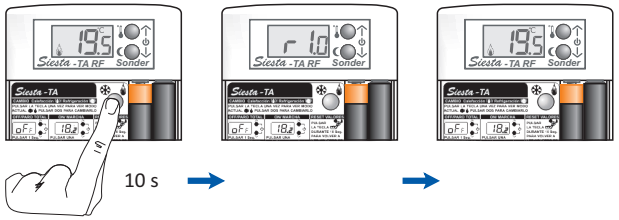
Siesta - TA ECO RF Emisor



Comfort setpoint (starting display)	Eco setpoint (starting display)	ON/OFF (starting display)
Next parameter (within parameters)	Change value (within parameters)	Input to parameters (within setpoint change)
		Coding emitter-receiver (programmation)

Siesta-TA ECO RF has the frost protection fix to 5°C & no have:
- Regulation in cooling mode
- The parameters: Setpoints limits and sensor calibration
- Reset

Reset



Advance Manual

In our technical web (**www.sonder-regulacion.com**), may find the complete manual with detailed instructions at link of **Installation Manual** inside product sheet **29.082** & **29.083**.

Guarantee conditions

This appliance has a three-years guarantee limited to replacement of defective parts. Transport not included.

We will not accept any responsibility for damage caused to the appliance by poor handling.

The guarantee does not include:
- Appliances with a damaged, effaced or altered series number.
- Appliances which have not been connected or used following the instructions that accompany it.
- Appliances which have been altered without the prior consent of the manufacturer.
- Appliances damaged by blows or liquid spills or gaseous emissions.

For the rest of general conditions visit our web.

VERY IMPORTANT:

This appliance should be mounted on a universal embedded box.

Device designed for a clean pollution situation.

This control is not a safety device and should not be used as such, is the responsibility to incorporate appropriate protection for each type of facility (homologated) installer.

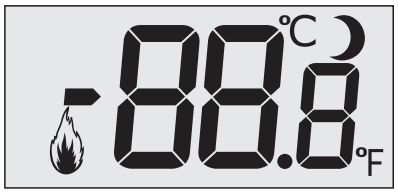
Independent control device mounting, and connection via fixed pipeline.

We reserve the right of modify without prior notice.

Sonder Regulación, S.A.
Avda. La Llana, 93
08191 RUBÍ
(Barcelona) Spain
www.sonder.es

Cod.: 7764VØ - ING - DIC16

Display Information



Digits
The display shows by digits the reading ambient temperature.

Flashing digits
The display shows by flashing digits the setpoint for comfort temperature.

Digits & Moon
The display shows by flashing digits and moon the setpoint for eco temperature.

Manual off
The device no control the temperature, only remains the Frost protection function.

Regulation in heating
Display shown when the boiler or regulation pump is activated in heating mode.

Temperature in °C / °F
On the screen you can see next to the temperature in what magnitude is measured: degrees Celsius (°C) or degrees Fahrenheit (°F).

Batteries
Indicates the batteries status is low and should be changed.

Information not available for Siesta-TA ECO model

Regulation in heating
Relay switched on when the temperature is below the setpoint minus differential & relay switched off when arrives to setpoint.

Pressing the internal key displays the current mode control and double-clicking change the mode.

Regulation in cooling
Relay switched on when the temperature is above the setpoint plus differential & relay switched off when arrives to setpoint.

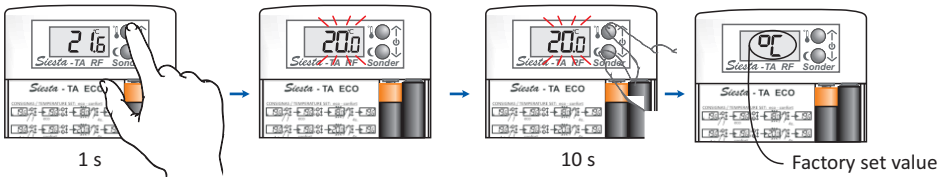
Pressing the internal key displays the current mode control and double-clicking change the mode.

Regulation in heating
Display shown when the boiler or regulation pump is activated in cooling mode.

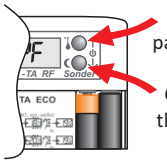
Reset
Pressing by 10 seconds the internal key deletes the custom settings of the parameters and return to the factory settings.

Parameters

Enter in the parameter setting menu



Adjustables parameters



Temperature units
°C or °F

Limit max. temperature setpoint
20 to 35°C
68 to 95°F

Differential
0,1 to 2°C / 0,2 to 3,6°F
0,2 to 2°C / 0,4 to 3,6°F

Limit min. temperature setpoint
5 to 19°C
41 to 66°F

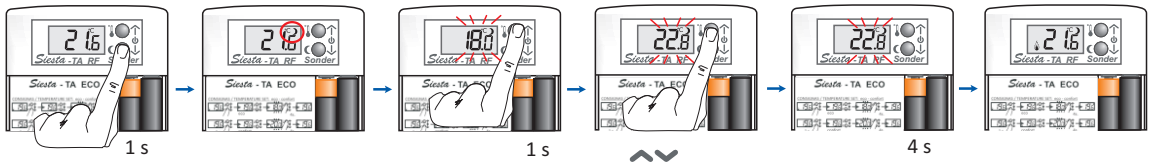
Sensor calibration
-3 to +3°C
-5,4 to +5,4°F

Frost protection
OFF or 5 to 18°C
41 to 64°F

Double setpoint: comfort / eco

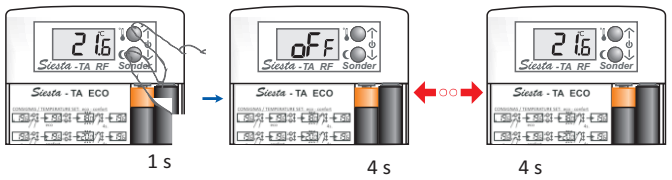
Temperature change for comfort setpoint

Temperature change for eco setpoint

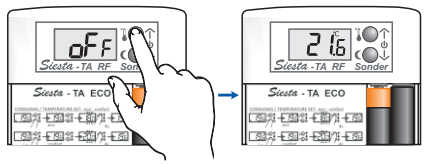


Regulation Activated / Deactivated (keeps Frost protection)

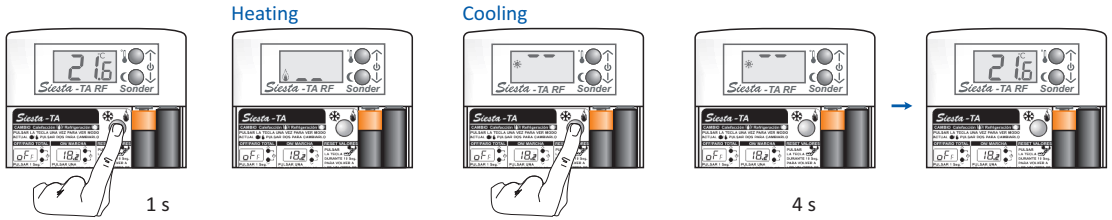
Off



On



Regulation mode: Heating / Cooling (Not available for Siesta-TA ECO model)



SONDER

Energy Control

Family

Siesta - TA

Instructions Manual

Model *Siesta* - TA RF Emisor

Siesta - TA ECO RF Emisor

Digital Radio Thermostat

Generation CorteX

New Programming

New Display

New Heart

INDEX

Siesta - TA

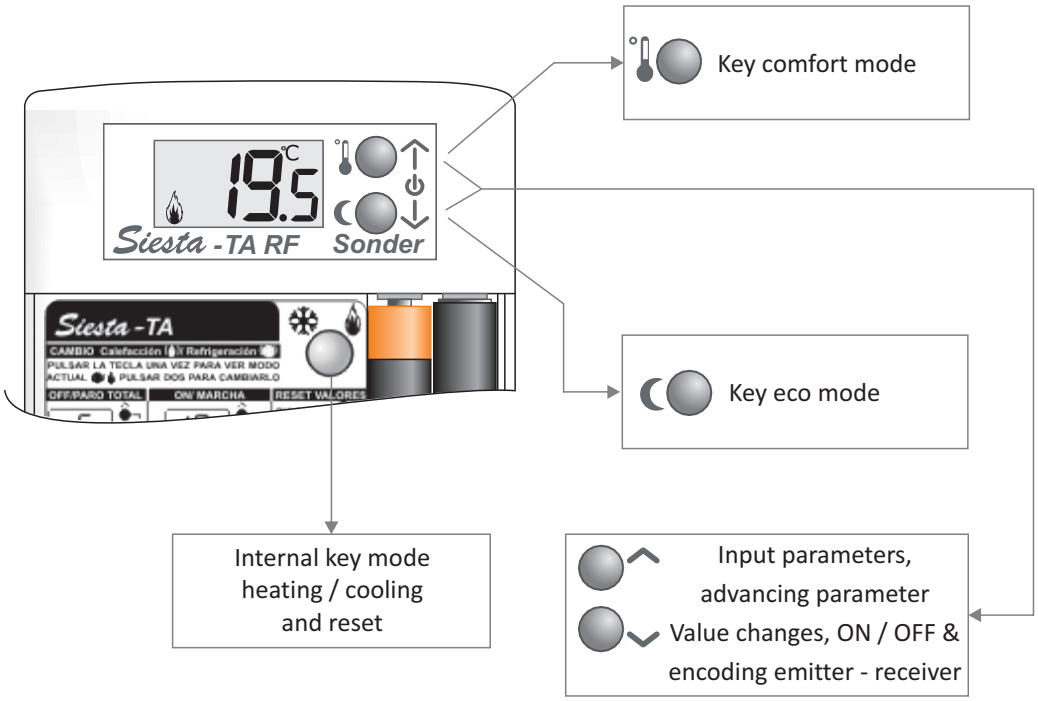
Siesta - TA ECO

Description

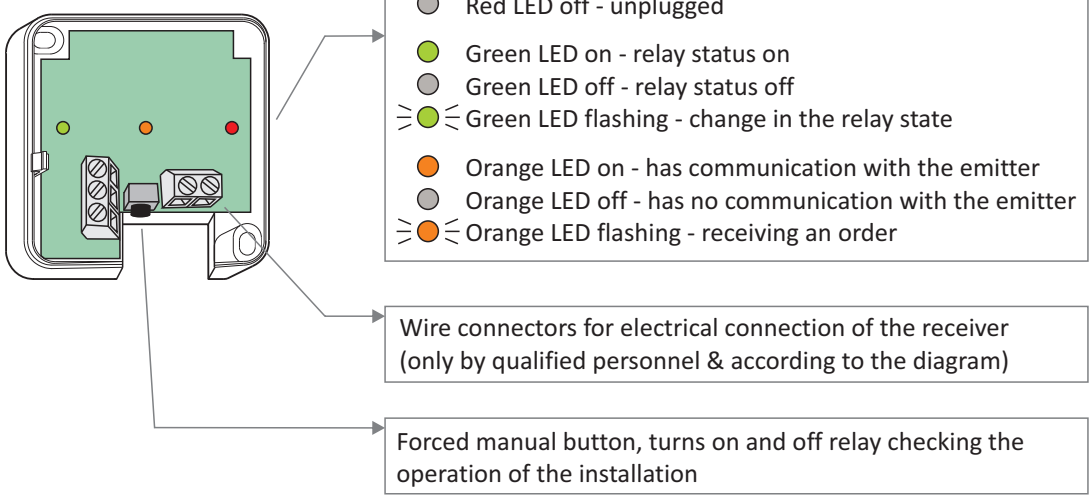
It is a digital thermostat for heating or cooling battery powered for residential use, and communicating via radio (wireless). Factory has recorded the values of the parameters as default, you can modify as indicated on page 8.

Note: Emitter and receiver are not encoded from factory, see how to do it on page 11.

Emitter

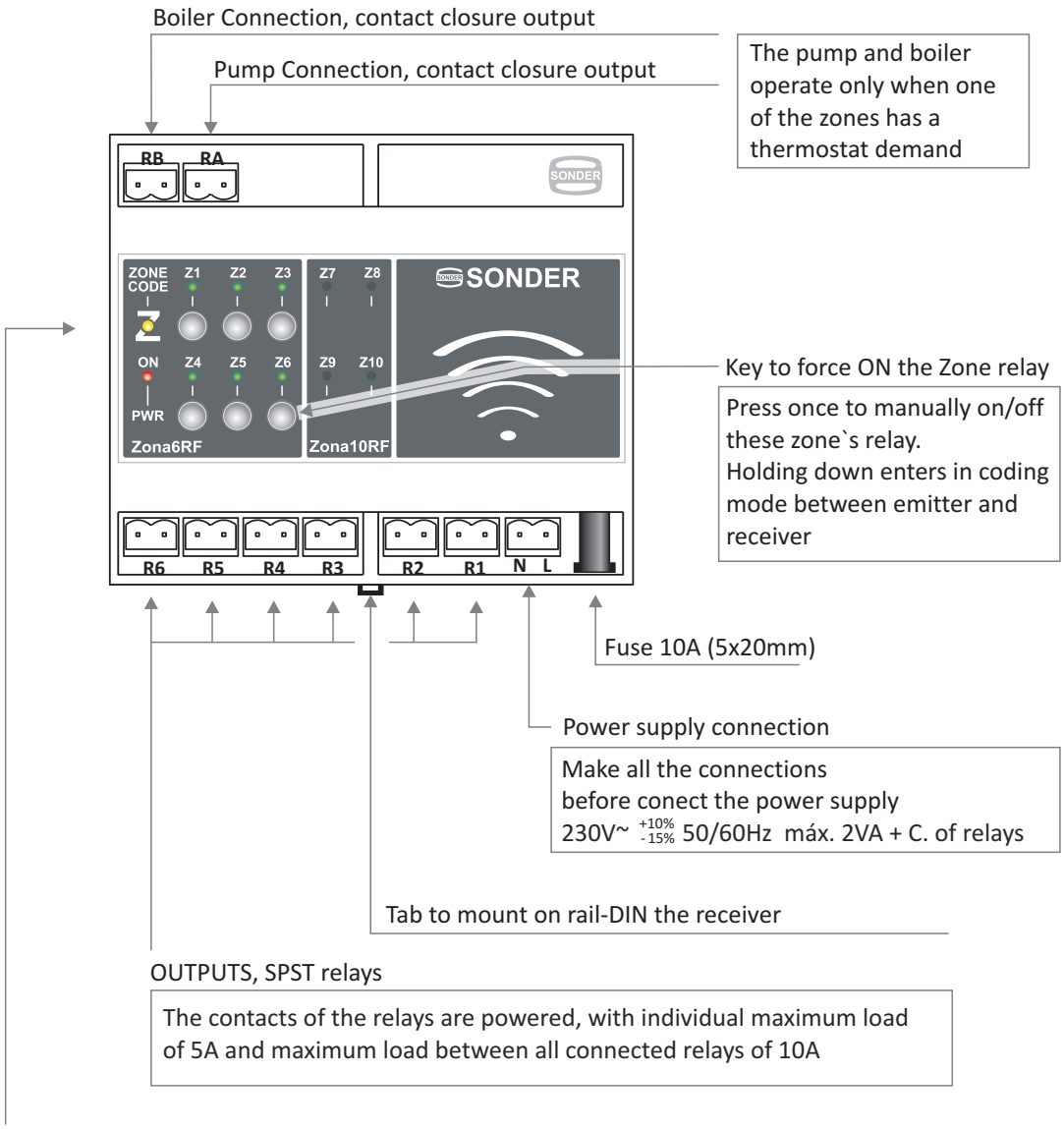


Surface Receiver



Description

Rail-DIN Receiver Zona 6 RF



LEDs

ON / PWR
- Power lighted -> connected to power supply
- Power not lit -> disconnected to power supply

Z1
- Zone relay lighted -> The relay of these zone is connected
- Zone relay not lit -> The relay of these zone is disconnected
- Zone relay flashing -> Receiving an order

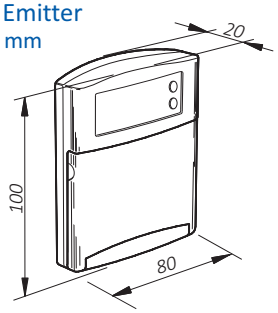
ZONE CODE
- Coding lighted -> with signal
- Coding not lit -> without signal
- Coding flashing -> Sending dates or SMS received

Zone relay flashing + Coding flashing -> Encoding that zone with the emitter

Technical data

Emitter

mm

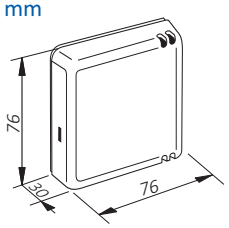


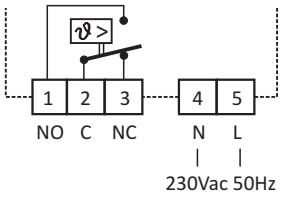
Specifications

Regulation scale:..... **from 5 to 35°C**
1.5V alkaline battery (2 pcs.):..... **LR03 (AAA)**
Low battery indicator:..... **“bAt”**
Battery duration:..... **2 years, approx**
Net weight (with batteries):..... **95 g**
Dregree of protection:..... **IP20**

Surface receiver

mm

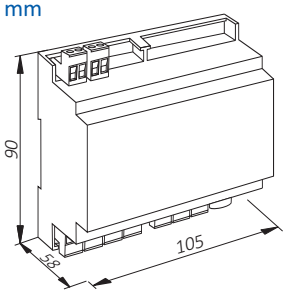


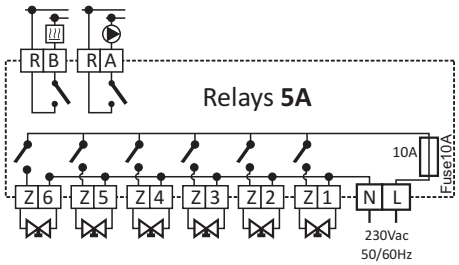


Power supply:..... **230Vac 50Hz**
Breakage power (contacts):..... **16(8)A 250Vac**
Maximum cable to connect:..... **1,5mm²**
Wiring type:..... **H-05V-K**
Net weight:..... **85,5 g**
Dregree of protection:..... **IP20**

Rail-DIN receiver Zona 6

mm





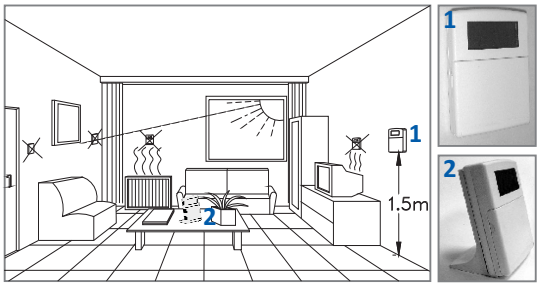
Power supply:..... **230V~ 50/60Hz**
Fuse:..... **5x20mm, 10A**
Max. cable to connect:.... **1,5mm²**
Wiring type:..... **H-05V-K**
Net weight:..... **266 g**

Both

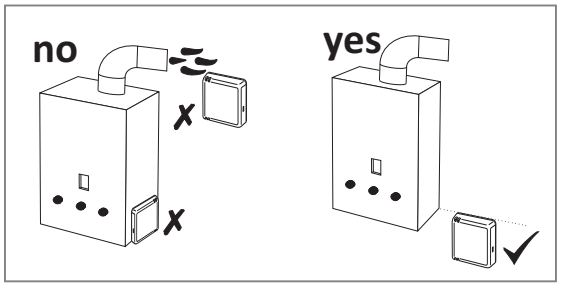
Transmission frequency:.....**868,3 MHz**
Approx. Maximum distance Emitter-receiver:..... **90 m in free field**
Ambient temperature:..... **Tmin. 0°C, Tmax. 40°C**
Storage temperature:..... **maximum 50°C**
% Relative Humidity operating:..... **from 20 to 85%**
Dregree of pollution:..... **2**
Software:..... **Class A**
Action type According EN 60730:..... **1.B**
Homologated:..... **CE**

Location

Emitter - Keep away the emitter of any source of heat or direct light.

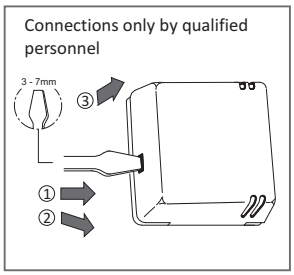


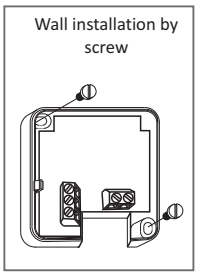
Receivers - Install away from conductive elements, metal surfaces, electrical cables or excessive heat.

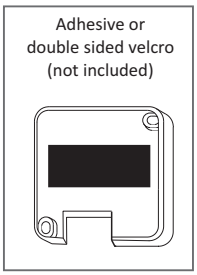


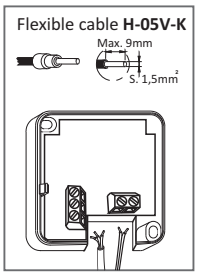
Installation

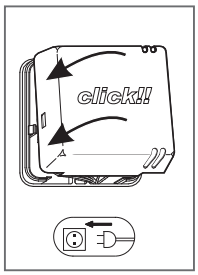
Surface receiver

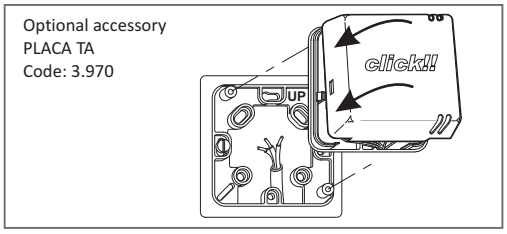




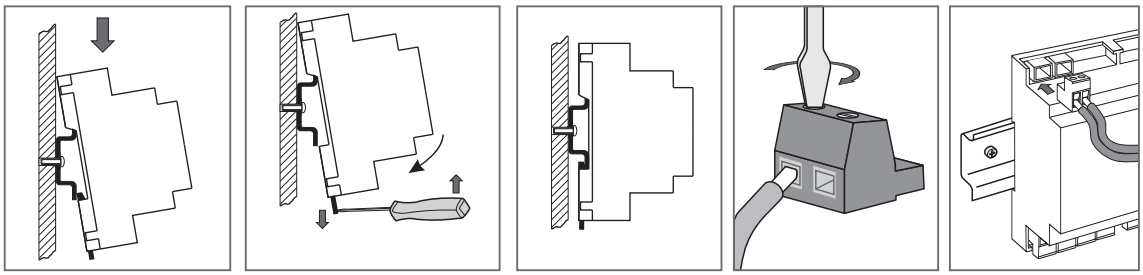






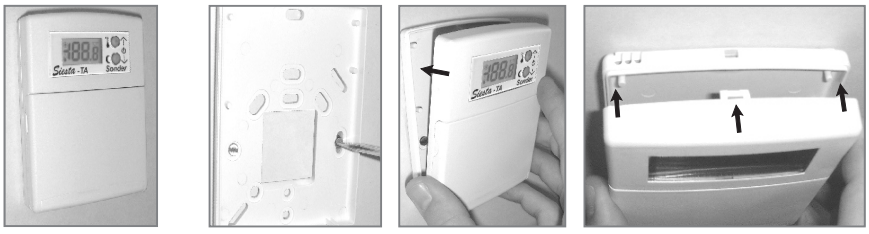


Rail-Din receiver Zona 6 RF

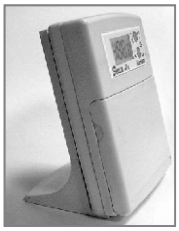


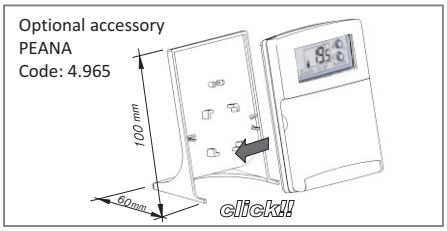
Emitter

1 - Wall installation



2 - Support to put over table

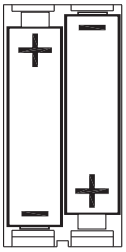


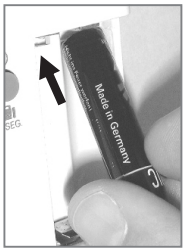


Batteries replacement

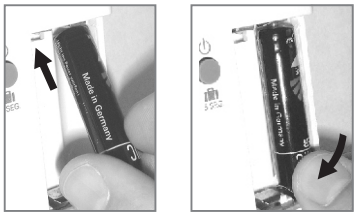
Open battery compartment cover & insert two LR03 AAA 1.5V batteries. Make sure the positive and negative ends are facing the correct direction, as shown picture of side & always introducing them as indicated. The display shows for 2 seconds the program version and then goes to see the room temperature.

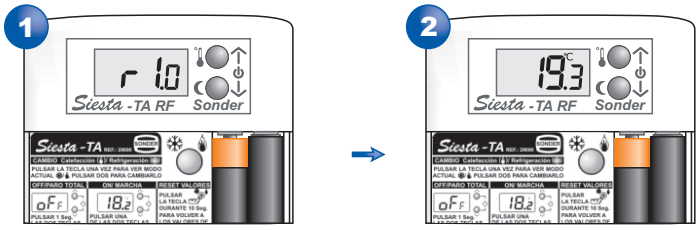
Very Important: Don´t use rechargeables batteries





First connection



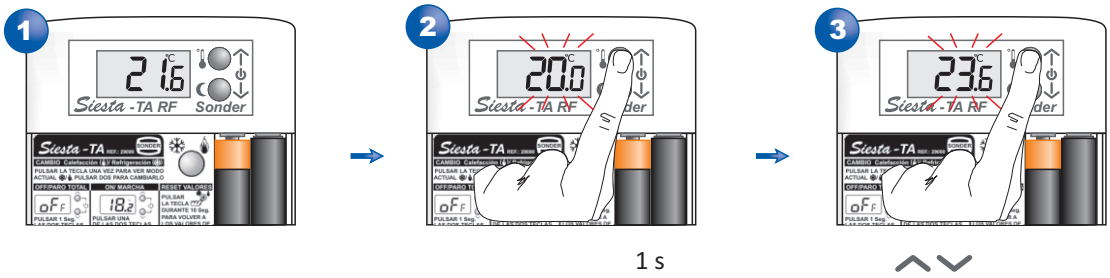


Version

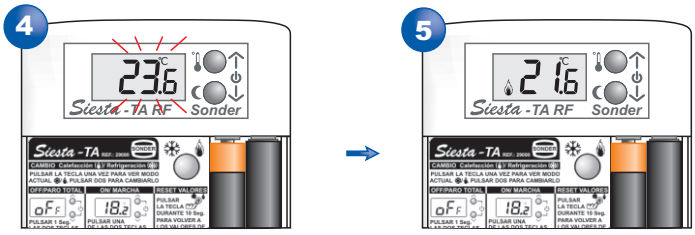
Ambient Temperature

Double setpoint: eco / comfort

Temperature change for comfort setpoint

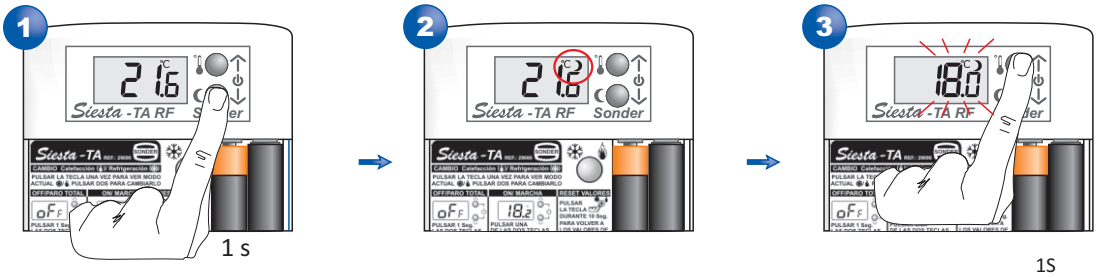


1 s



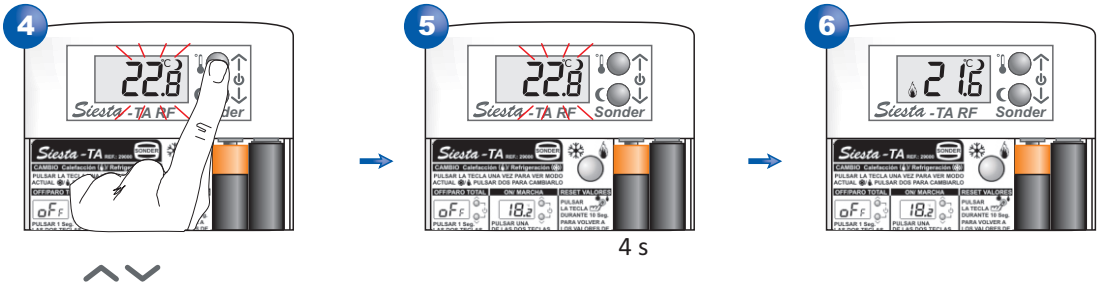
4 s

Temperature change for eco setpoint



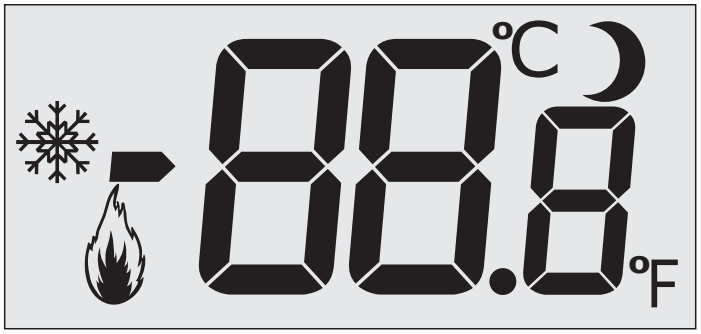
1 s

1S



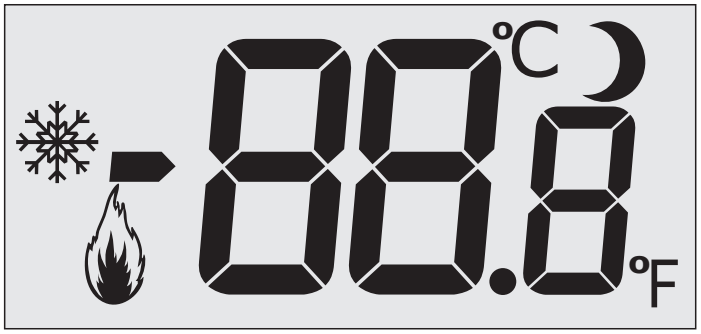
4 s

Display information



	Digits	The display shows by digits the reading ambient temperature.
	Flashing digits	The display shows by flashing digits the setpoint for comfort temperature.
	Digits & Moon	The display shows by flashing digits and moon the setpoint for eco temperature.
	Manual off	The device no control the temperature, only remains the Frost protection function.
	Regulation in heating	Relay switched on when the temperature is below the setpoint minus differential & relay switched off when arrives to setpoint. Pressing the internal key  displays the current mode control and double-clicking change the mode.
	Regulation in cooling	Relay switched on when the temperature is above the setpoint plus differential & relay switched off when arrives to setpoint. Pressing the internal key  displays the current mode control and double-clicking change the mode.
	Activated relay	Display shown when the boiler or regulation pump is activated in heating mode.
	Activated relay	Display shown when the boiler or regulation pump is activated in cooling mode.

Display information



Temperature in °C / °F

On the screen you can see next to the temperature in what magnitude is measured: degrees Celsius (°C) or degrees Fahrenheit (°F).

Batteries

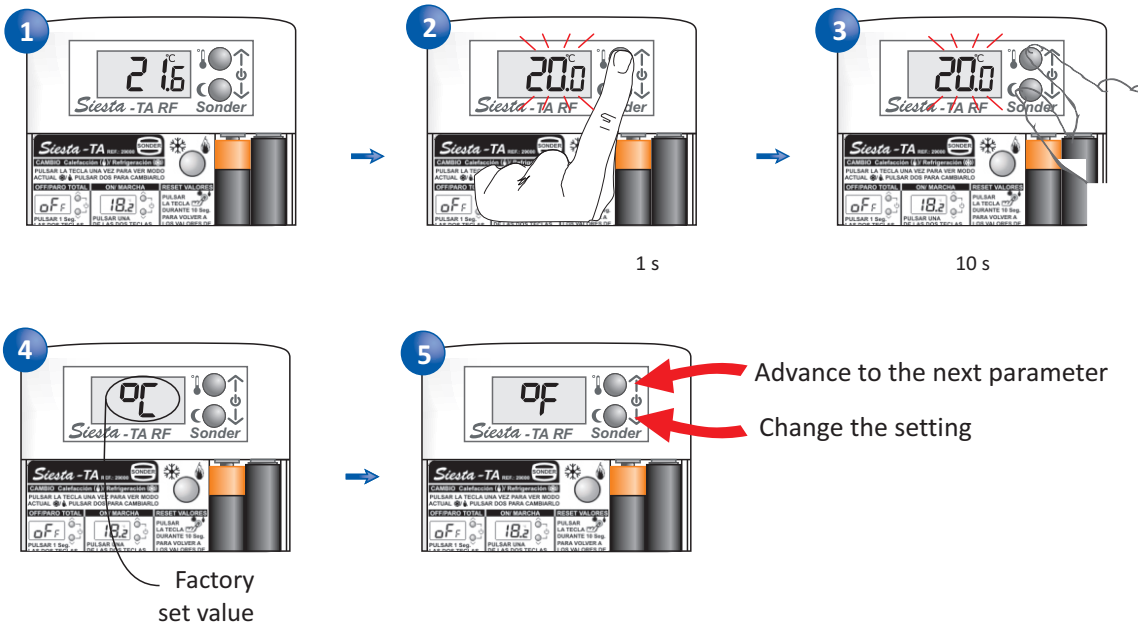
Indicates the batteries status is low and should be changed.

Reset

Pressing by 10 seconds the internal key deletes the custom settings of the parameters and return to the factory settings.

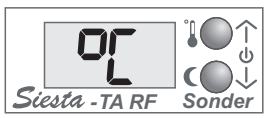
Parameters

Enter the parameter setting menu



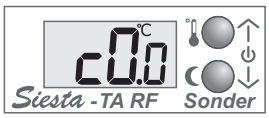
Adjustable parameters

Temperature units



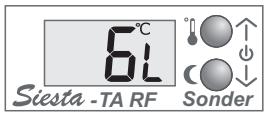
Scale: Celsius °C
Fahrenheit °F

Sensor calibration



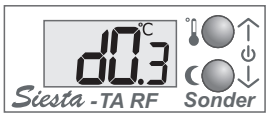
Scale: -3.0°C ... +3.0°C
-5.4°F ... +5.4°F

Limit minimum temperature setpoint



Scale: 5 ... 19°C
41 ... 66°F

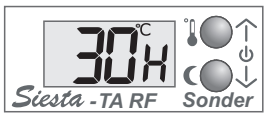
Differential activation



Scale: 0,1 ... 2°C
0,2 ... 3,6°F

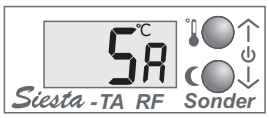
Scale: 0,2 ... 2°C
0,4 ... 3,6°F

Limit maximum temperature setpoint



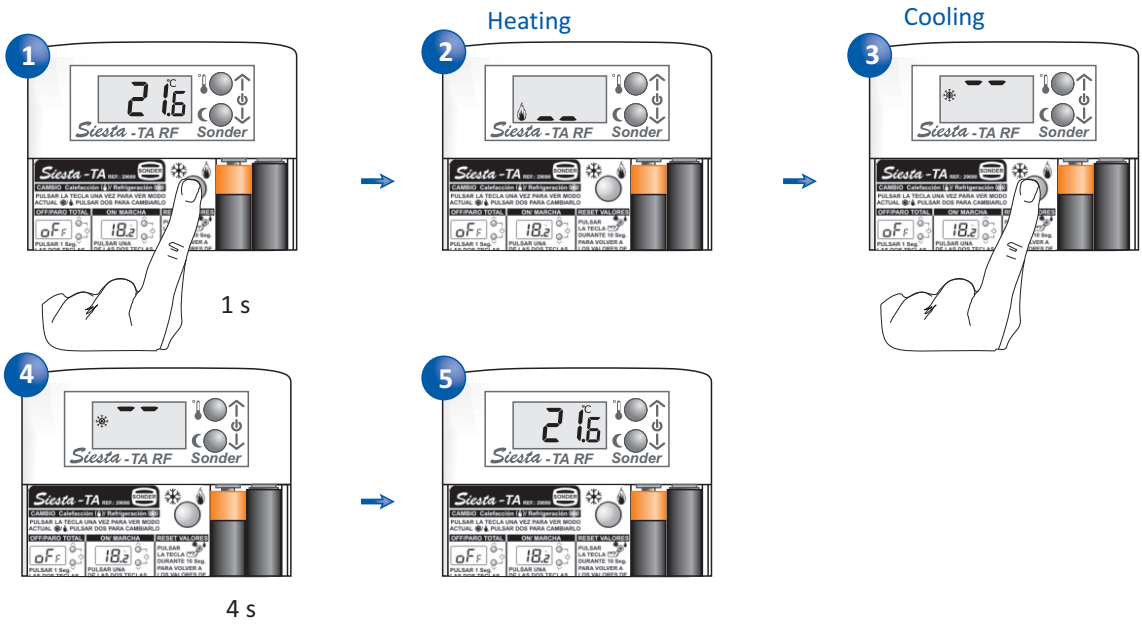
Scale: 20 ... 35°C
68 ... 95°F

Frost protection



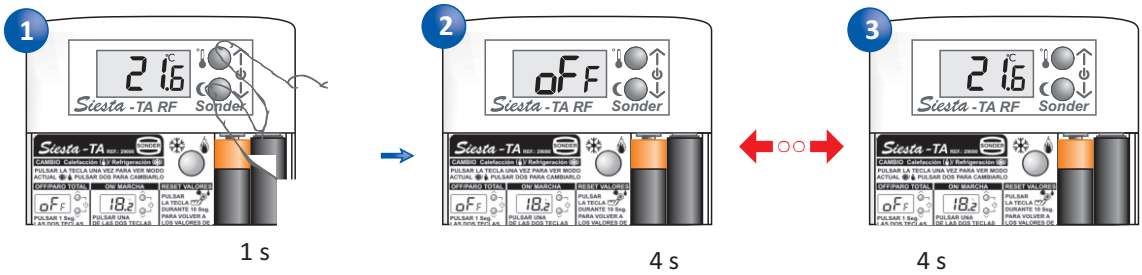
Scale: OFF / ON
5 ... 18°C
41 ... 64°F

Regulation mode: Heating / Cooling

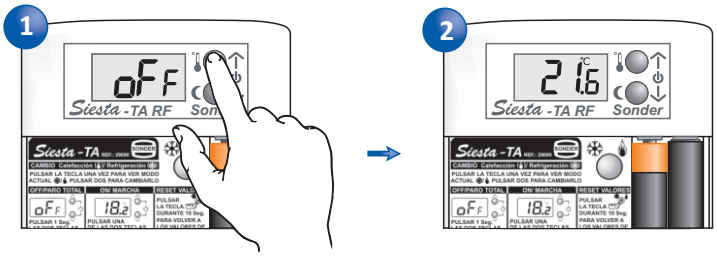


On - Off / Start - Stop

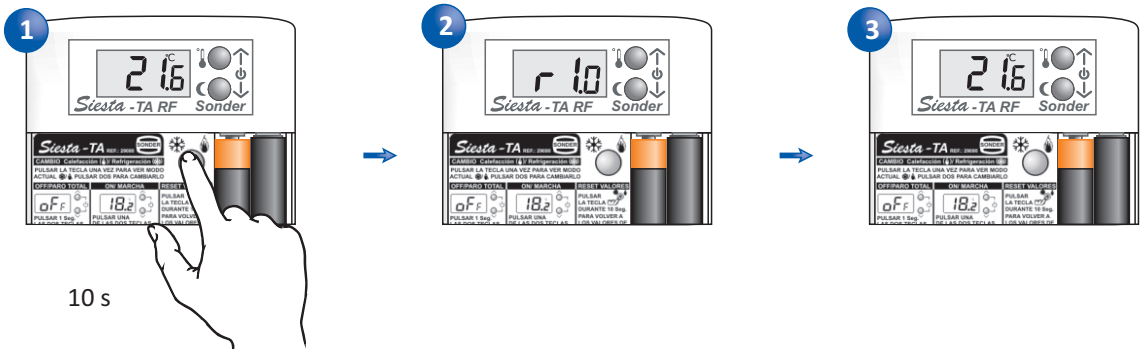
Off / Stop



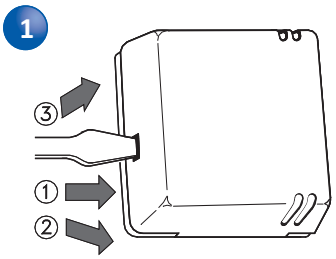
On / Start

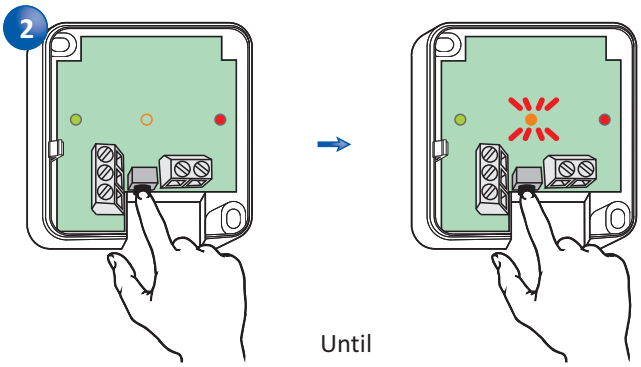


Reset

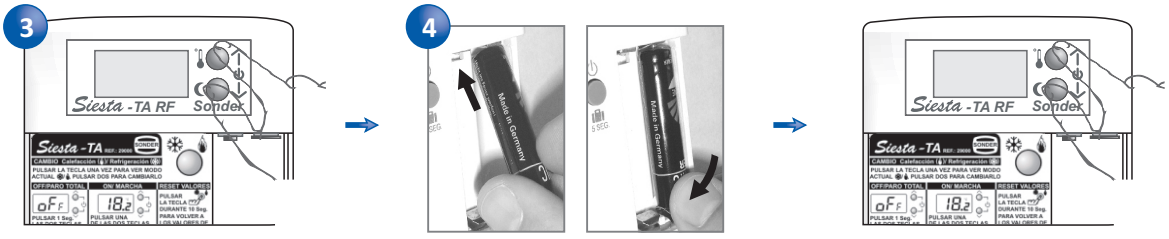


Coding between emitter and surface receiver





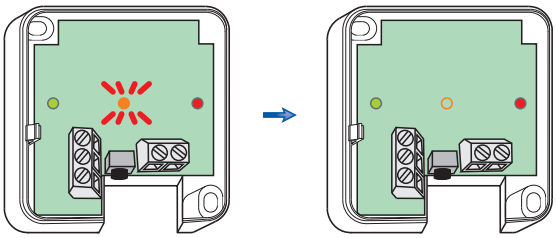
Until



hold down

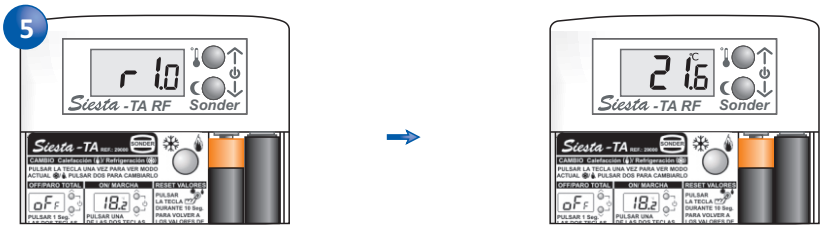
put batteries

and keep ...



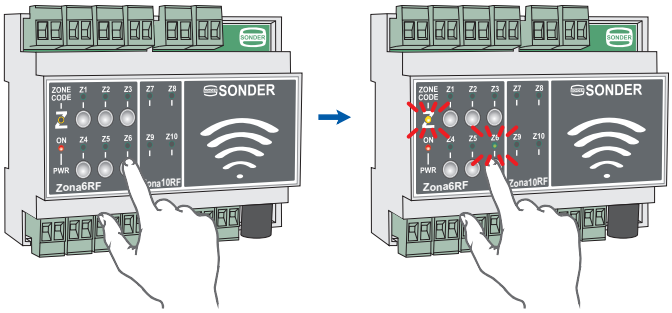
until

If you have installed the batteries, before coding it, you have to remove them & wait until the display shut down



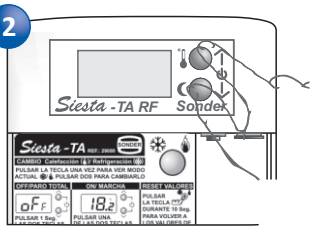
Coding between emitter and Rail-DIN receiver Zona 6 RF

1



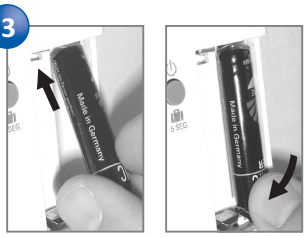
Pulse el botón forzado ON del relé a codificar con el emisor de esa zona, hasta que parpadeen el LED de zona y el de codificación

2

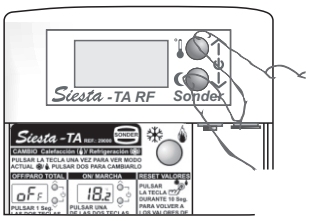


hold down

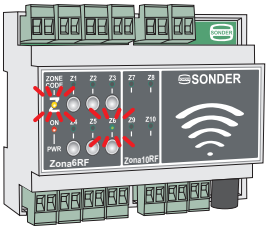
3

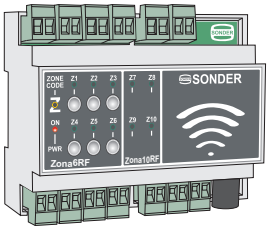


put batteries



and keep ...

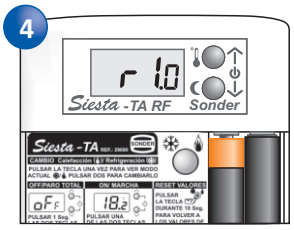


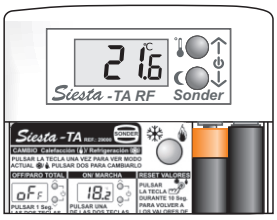


until

If you have installed the batteries, before coding it, you have to remove them & wait until the display shut down

4



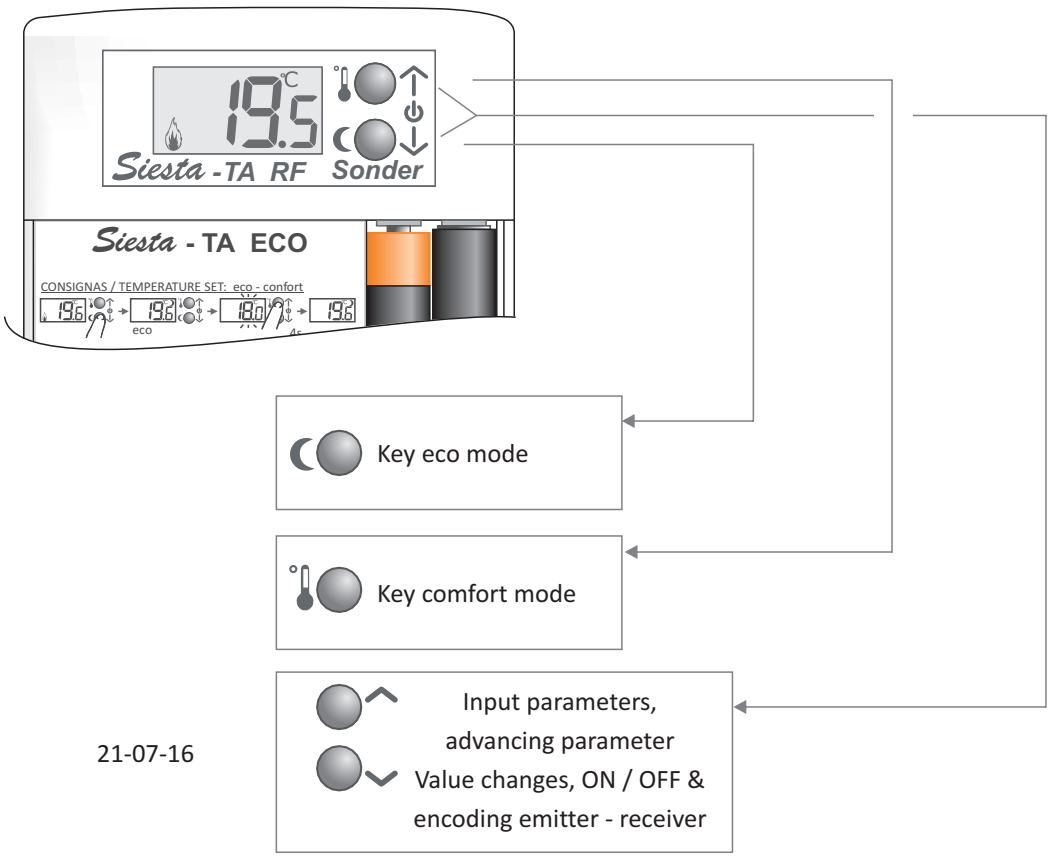


Description

It is a digital thermostat for heating battery powered for residential use, and communicating via radio (wireless). Factory has recorded the values of the parameters as default, you can modify as indicated on page 16.

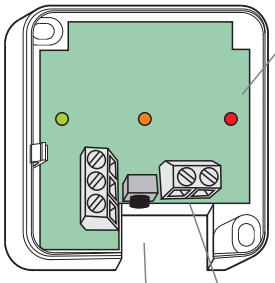
Note: Emitter and receiver are not encoded from factory, see how to do it on page 20.

Emitter



21-07-16

Receiver

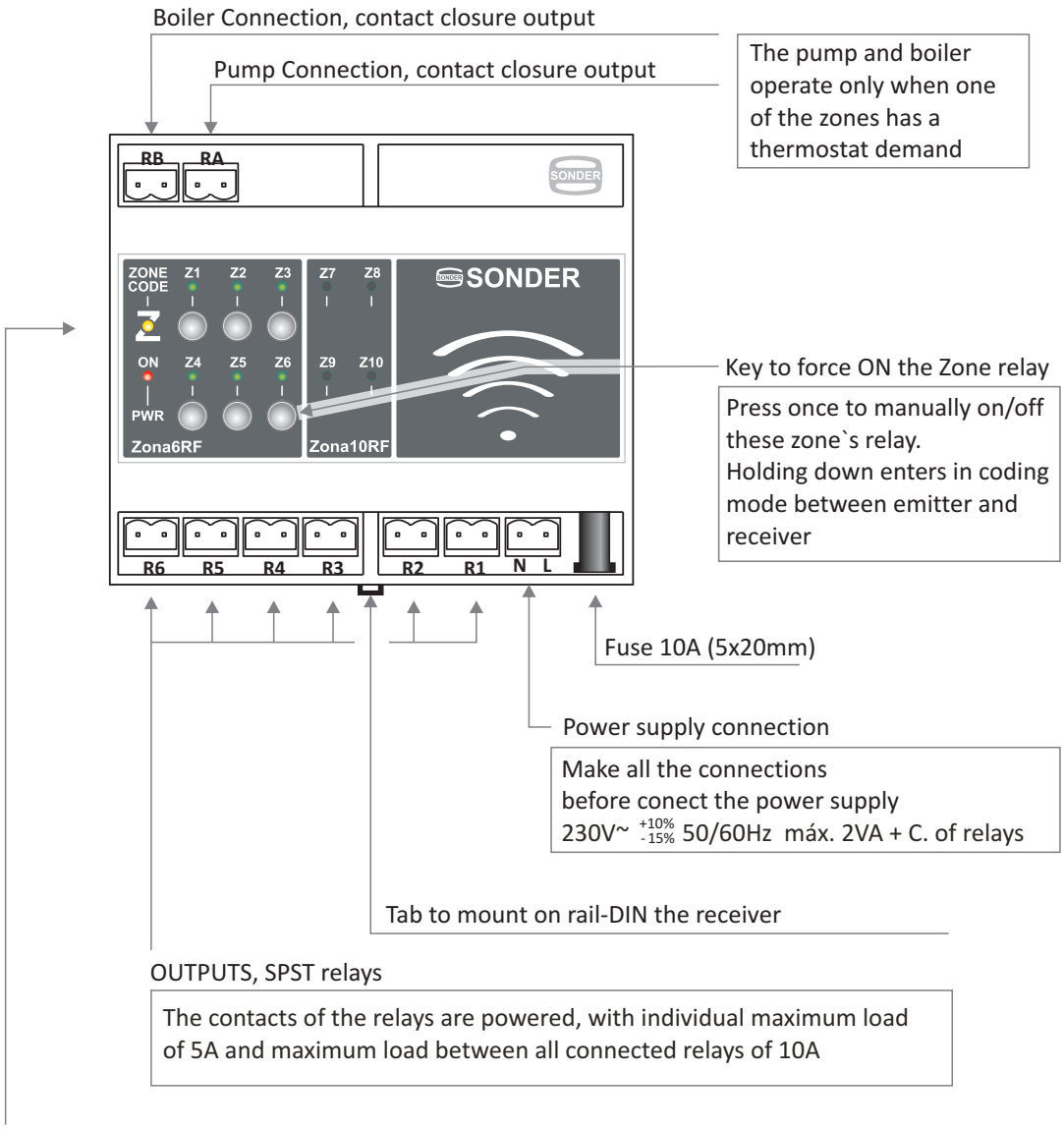


- Red LED on - plugged in
- Red LED off - unplugged
- Green LED on - relay status on
- Green LED off - relay status off
- Green LED flashing - change in the relay state
- Orange LED on - has communication with the emitter
- Orange LED off - has no communication with the emitter
- Orange LED flashing - receiving an order

Wire connectors for electrical connection of the receiver (only by qualified personnel & according to the diagram)

Forced manual button, turns on and off relay checking the operation of the installation

Rail-DIN Receiver Zona 6 RF



LEDs

ON / PWR
- Power lighted -> connected to power supply
- Power not lit -> disconnected to power supply

Z1
- Zone relay lighted -> The relay of these zone is connected
- Zone relay not lit -> The relay of these zone is disconnected
- Zone relay flashing -> Receiving an order

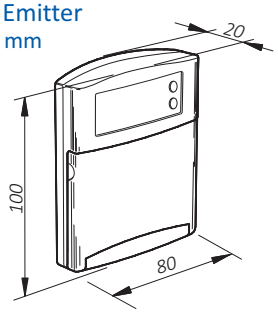
ZONE CODE
- Coding lighted -> with signal
- Coding not lit -> without signal
- Coding flashing -> Sending dates or SMS received

Zone relay flashing + Coding flashing -> Encoding that zone with the emitter

Technical data

Emitter

mm

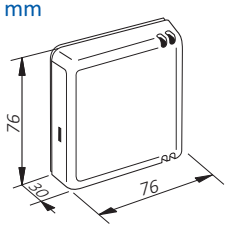


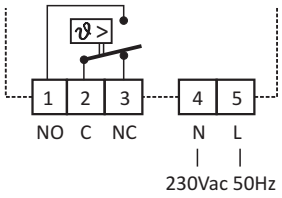
Specifications

Regulation scale:..... **from 5 to 35°C**
1.5V alkaline battery (2 pcs.):..... **LR03 (AAA)**
Low battery indicator:..... **“bAt”**
Battery duration:..... **2 years, approx**
Net weight (with batteries):..... **95 g**
Dregree of protection:..... **IP20**

Surface receiver

mm

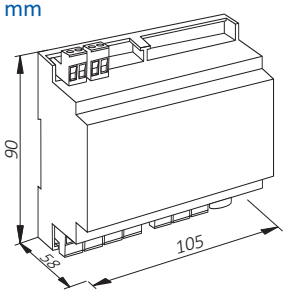


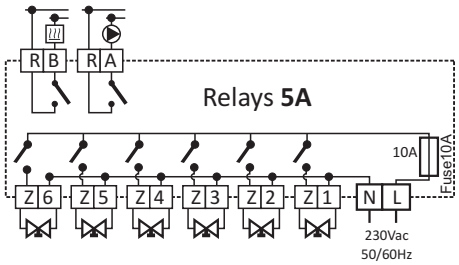


Power supply:..... **230Vac 50Hz**
Breakage power (contacts):..... **16(8)A 250Vac**
Maximum cable to connect:..... **1,5mm²**
Wiring type:..... **H-05V-K**
Net weight:..... **85,5 g**
Dregree of protection:..... **IP20**

Rail-DIN receiver Zona 6

mm





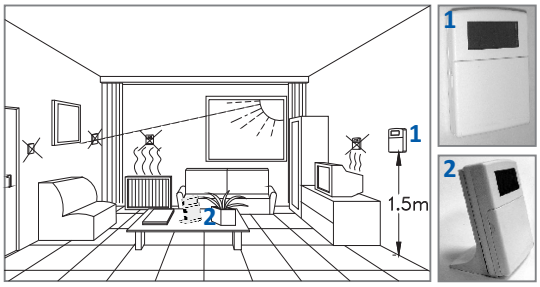
Power supply:..... **230V~ 50/60Hz**
Fuse:..... **5x20mm, 10A**
Max. cable to connect:.... **1,5mm²**
Wiring type:..... **H-05V-K**
Net weight:..... **266 g**

Both

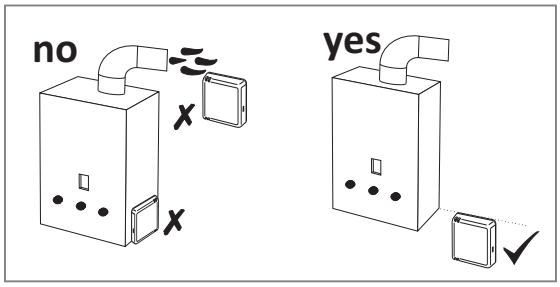
Transmission frequency:.....**868,3 MHz**
Approx. Maximum distance Emitter-receiver:..... **90 m in free field**
Ambient temperature:..... **Tmin. 0°C, Tmax. 40°C**
Storage temperature:..... **maximum 50°C**
% Relative Humidity operating:..... **from 20 to 85%**
Dregree of pollution:..... **2**
Software:..... **Class A**
Action type According EN 60730:..... **1.B**
Homologated:..... **CE**

Location

Emitter - Keep away the emitter of any source of heat or direct light.

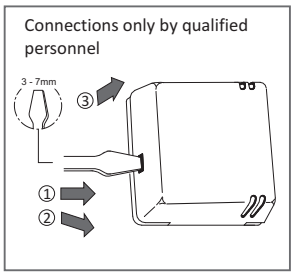


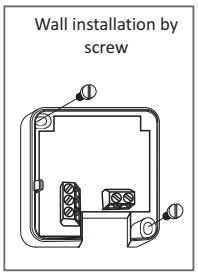
Receivers - Install away from conductive elements, metal surfaces, electrical cables or excessive heat.

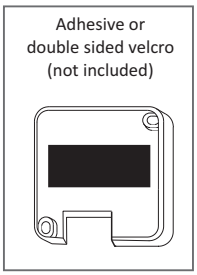


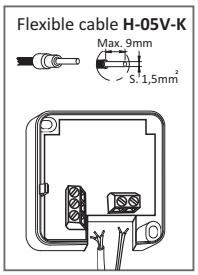
Installation

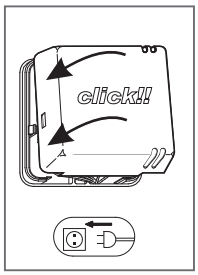
Surface receiver

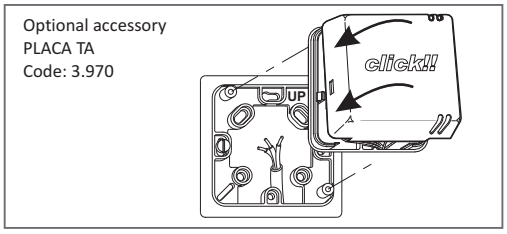




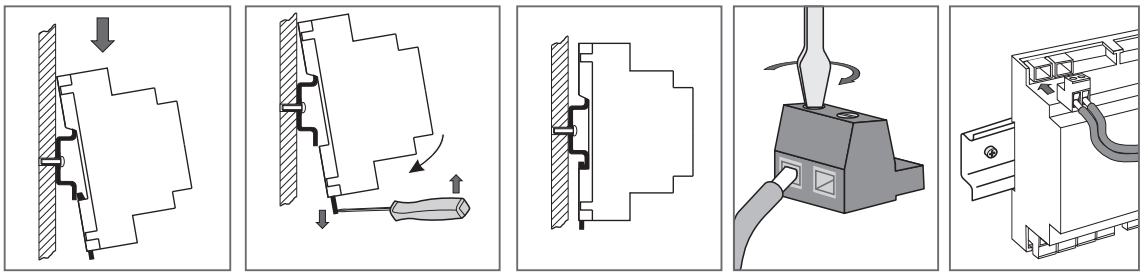






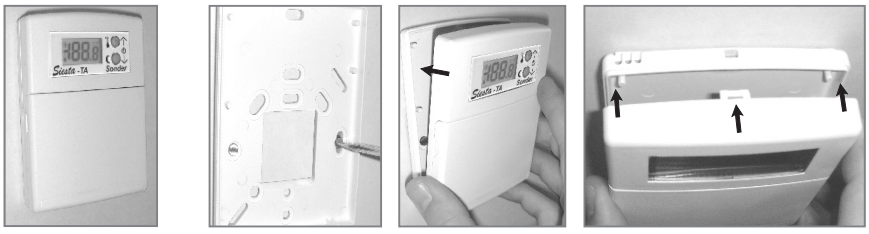


Rail-Din receiver Zona 6 RF

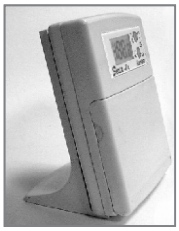


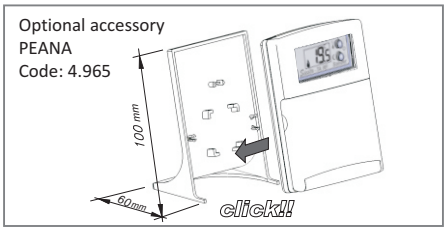
Emitter

1 - Wall installation



2 - Support to put over table

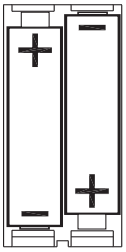


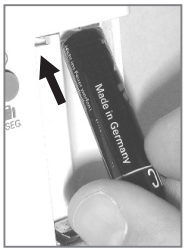


Batteries replacement

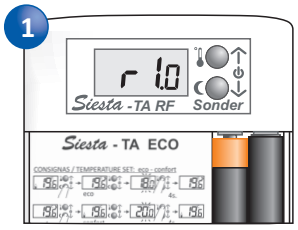
Open battery compartment cover & insert two LR03 AAA 1.5V batteries. Make sure the positive and negative ends are facing the correct direction, as shown picture of side & always introducing them as indicated. The display shows for 2 seconds the program version and then goes to see the room temperature.

Very Important: Don´t use rechargeables batteries



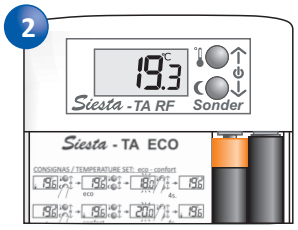


First connection



Version

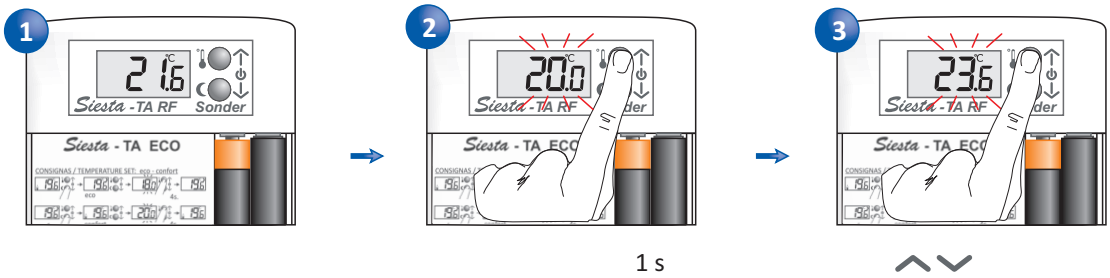
4 s

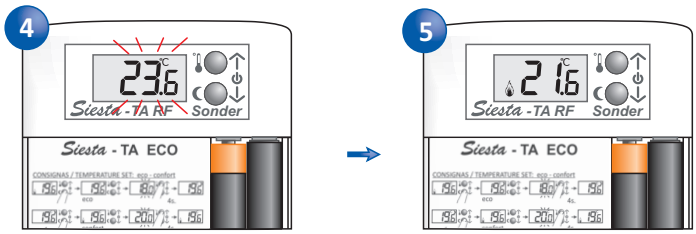


Ambient temperature

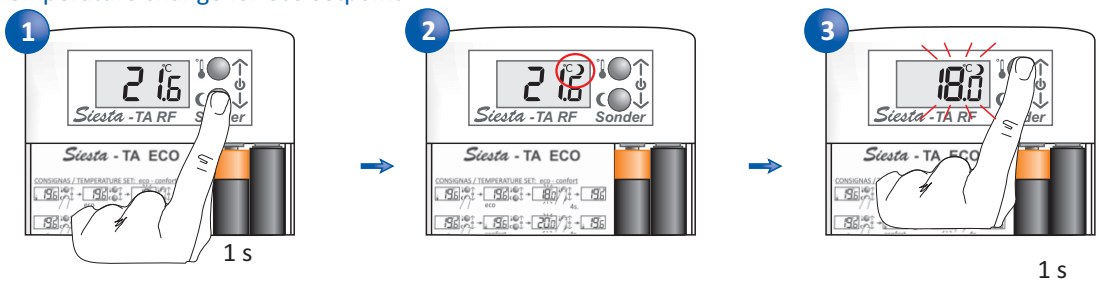
Double setpoint: eco / comfort

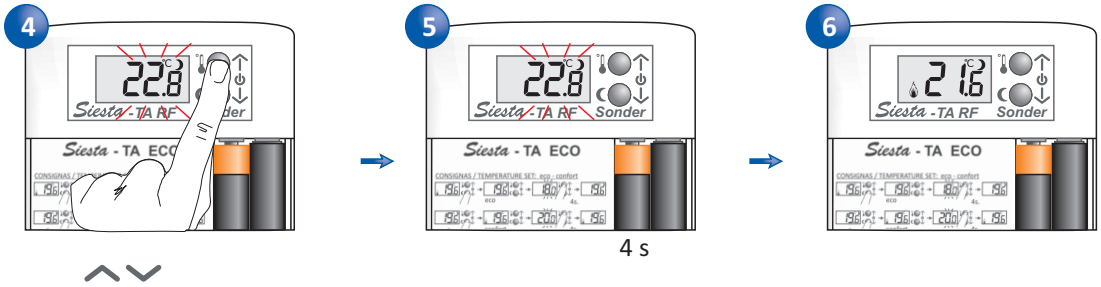
Temperature change for comfort setpoint



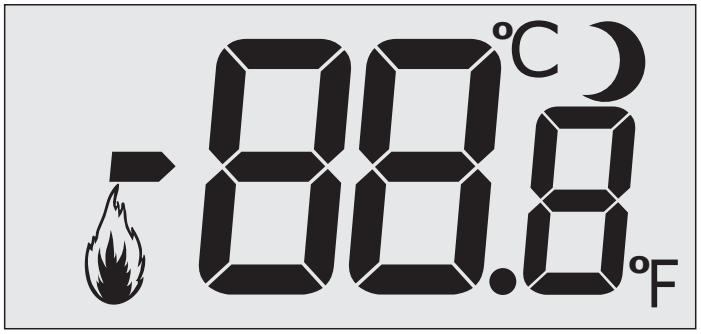


Temperature change for eco setpoint





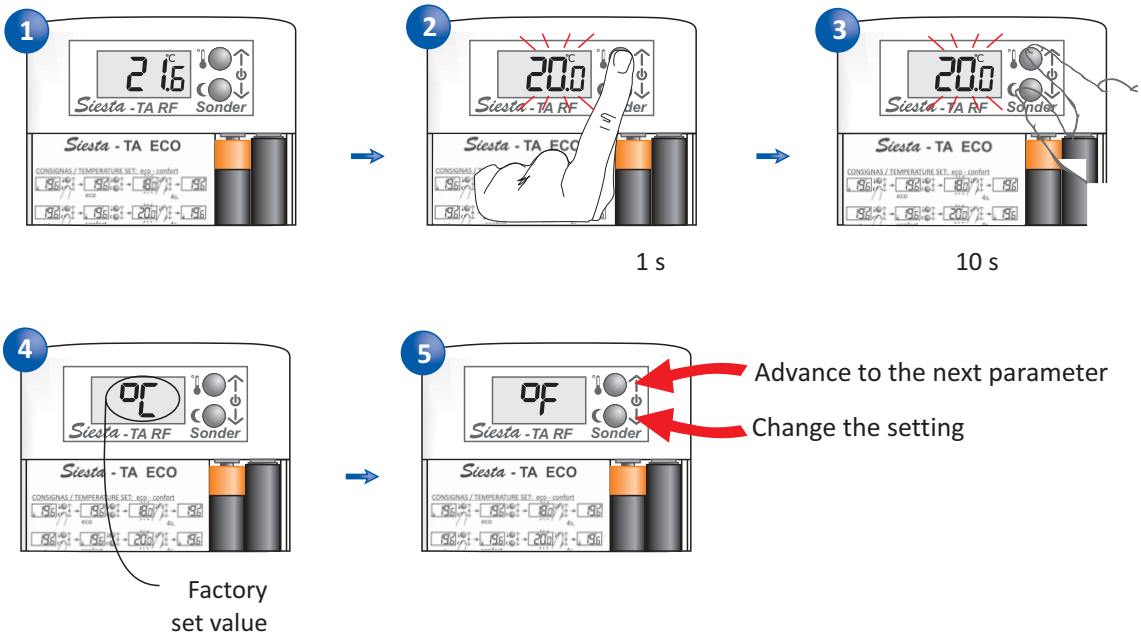
Display information



	Digits	The display shows by digits the reading ambient temperature.
	Flashing digits	The display shows by flashing digits the setpoint for comfort temperature.
	Digits & Moon	The display shows by flashing digits and moon the setpoint for eco temperature.
	Manual off	The device no control the temperature, only remains the Frost protection function.
	Activated relay	Display shown when the boiler or regulation pump is activated in heating .
	Temperature in °C / °F	On the screen you can see next to the temperature in what magnitude is measured: degrees Celsius (°C) or degrees Fahrenheit (°F).
	Batteries	Indicates the battery status is low and should be changed.

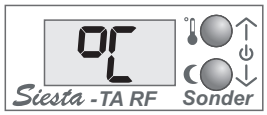
Parameters

Enter the parameter setting menu



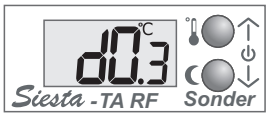
Adjustable parameters

Temperature units



Scale: Celsius °C
Fahrenheit °F

Differential activation

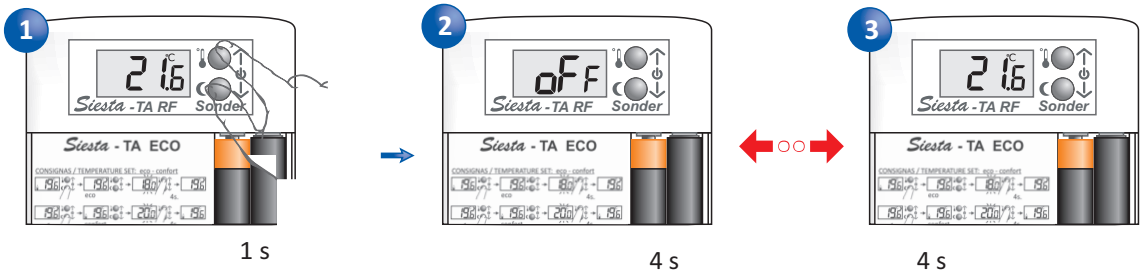


Scale: 0,5 ... 1°C
0,3 ... 1,8°F

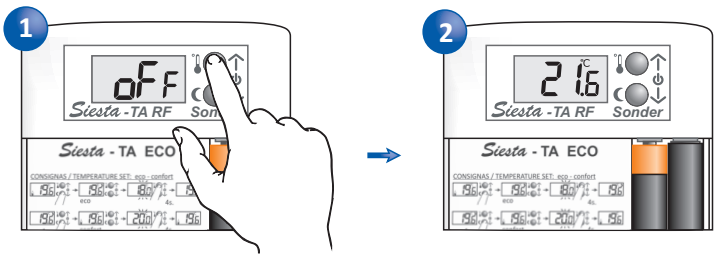
Frost protection - Fix to 5°C

On - Off / Start- Stop

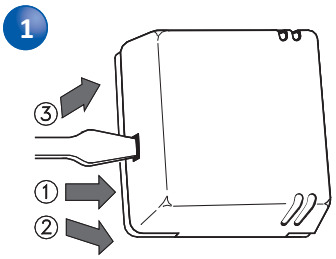
Off / Stop

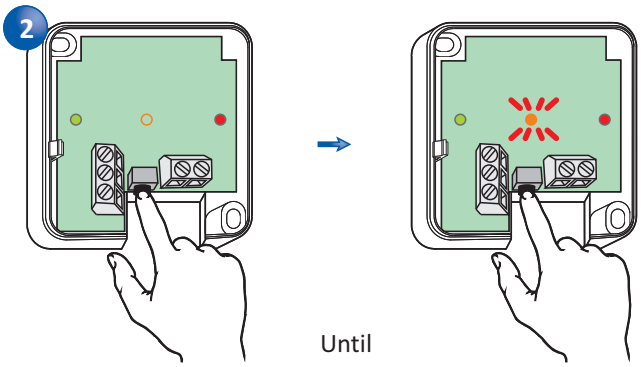


On / Start

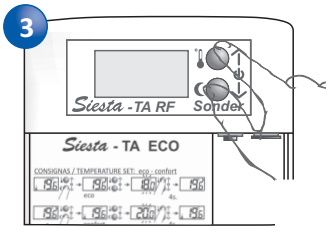


Coding between emitter and surface receiver

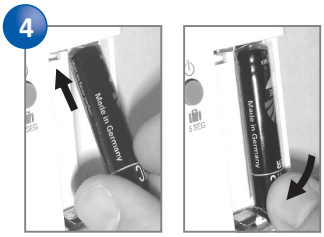




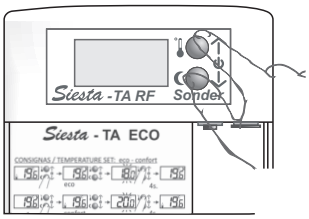
Until



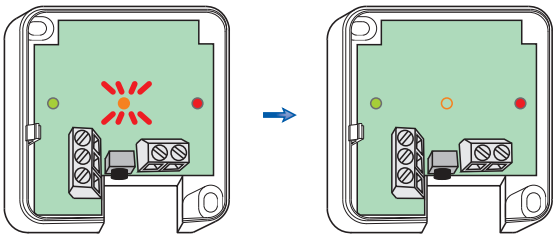
hold down



put batteries

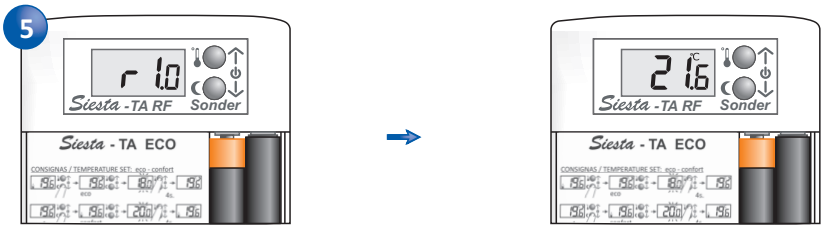


and keep ...



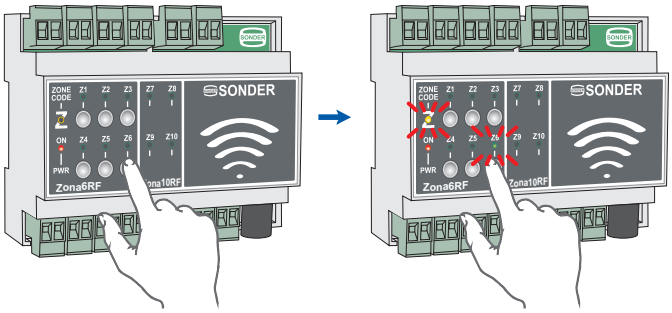
until

If you have installed the batteries, before coding it, you have to remove them & wait until the display shut down



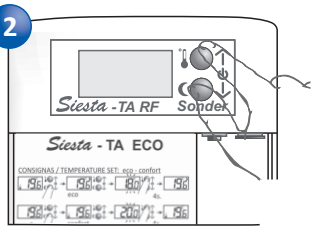
Coding between emitter and Rail-DIN receiver Zona 6 RF

1



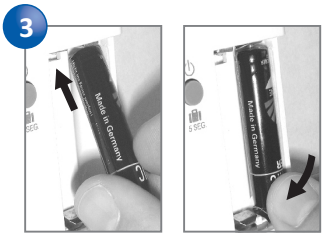
Pulse el botón forzado ON del relé a codificar con el emisor de esa zona, hasta que parpadeen el LED de zona y el de codificación

2

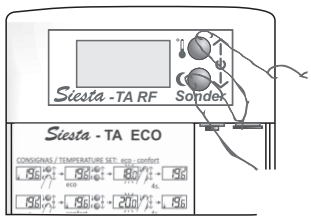


hold down

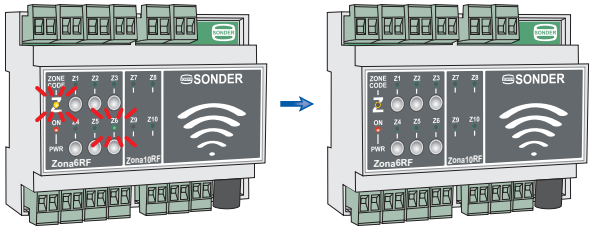
3



put batteries



and keep ...



until

If you have installed the batteries, before coding it, you have to remove them & wait until the display shut down

4

Guarantee conditions

Note: Translation is informative, the only legally binding document is the written version of it in Spanish.

First of all thank you for the purchase and trust placed in the team. We hope that the thermostat Siesta meets the needs of your installation.

- Before installing the thermostat make sure that environmental conditions are suitable, temperature, humidity, pollution and greenhouse gas emissions, and that any of these factors may affect the efficient operation

- The device is an independent control device for surface mounting on a universal embedded box, and type 2 dry environment pollution.

- For any work, either as installation or repair, the regulator must be disconnected from the power supply.

- Electrical connections may only be indicated in this manual and on the sticker on the back of the cap connections.

- This controller is not a safety device or can be used as such, is responsible incorporate appropriate protection for each type of facility (homologated) by the installer.

- Installation, electrical connection, commissioning and maintenance must be performed only by qualified personnel.

- If visualize possible defects that could cause damage or malfunction in the system, do not connect the appliance.

- Forbidden the total or partial reproduction of this document by any means without prior written authorization of Sonder Regulación S.A.

- The graphics and information in this manual are indicative only and may include technical inaccuracies or typographical errors.

- Sonder Regulación S.A. reserves the right to make changes to the product, technical data, or instructions for assembly and use without notice.

This device has 3 year warranty, it is limited to replacement of the defective part and will be delivered in the same material reception conditions, packaging, batteries, instructions or any other accessory that includes this product will not be replaced and not be noted in the packing slip.

We decline any responsibility for damage caused to the appliance by bad handling, failure to follow instructions contained in this manual or technical ignorance of the needs of the installation.

For repairs under warranty must present the documentation that accredits purchase of the device within the validity period of this warranty and as accurate a description as possible of the defect or anomalous behavior of the product according to the user.

If the repair is out of warranty, it will inform the user of the viability and cost of it. The valuation of our technical department may be an additional cost to the user.

Are out of guarantee:

- Devices with serial number deteriorated, deleted or modified.
- Devices whose connection or use have not been implemented in accordance with the attached to the appliance.
- Devices modified without prior agreement with the manufacturer.
- Devices damaged by blows or liquid or gaseous emanations.
- Devices with natural wear or improper use of equipment.
- **The costs resulting from the sending or receipt of material.**
- The demands for damages on account of loss of profits, compensation for use, & consequential damages. Provided that these damages are not mandatory liability under the law.

Designed and manufactured by Sonder in Rubi as:
UNE-EN 60730-1 + A1:2005 + A12:2004 + A13:2005
UNE-EN 60730-2-1: 1998 + A11:2005

Sonder Online Shop **www.sonder.es**
Technical Information **www.sonder-regulacion.com**

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