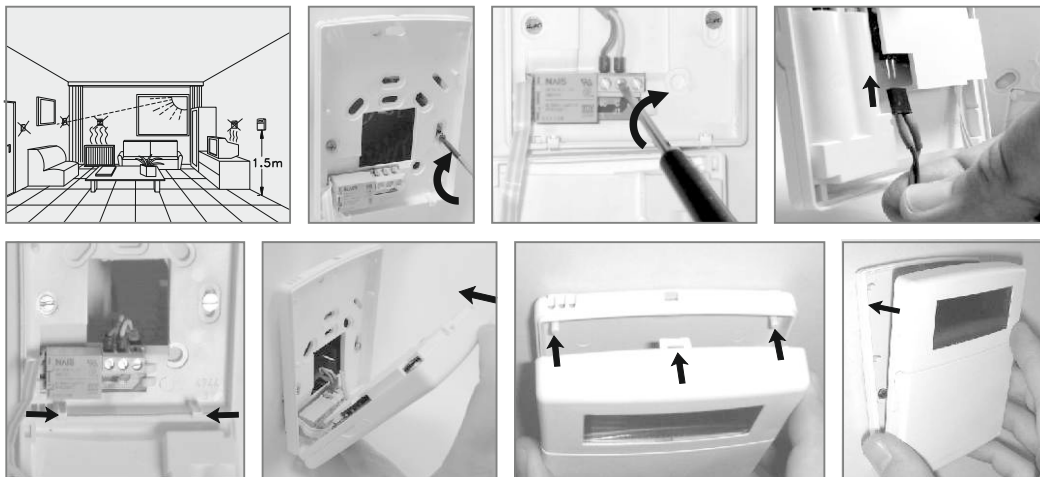


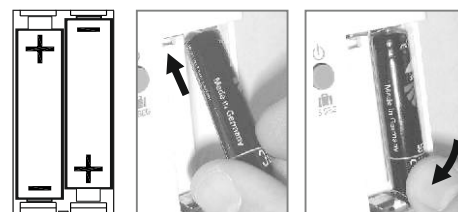
Instructions for installation



Batteries replacement

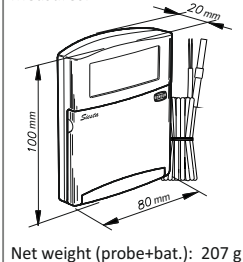
Open the battery compartment cover and insert two LR03 AAA 1.5V batteries. Make sure the positive and negative ends are facing the correct direction, as shown picture of side & always introducing them as indicated. The display shows for 2 seconds the program version and then pass to set the internal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

Very Important: Don't use rechargeables batteries

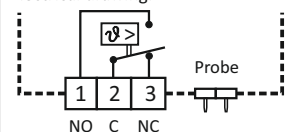


Technical data

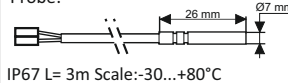
Measures:



Electrical drawing:



Probe:



Regulation scale:..... from 5 to 35°C
Ambient temperature:..... Tmin. 0°C, Tmax. 40°C
Storage temperature:..... maximum 50°C
Alkaline batteries (2 Units):..... 1,5V LR03 (AAA)
Low battery indicator:.....
Battery duration:..... 1,5 years, aprox
Breakage power (contacts):..... 8(3)A 250Vac
Maximum cable size to connect:..... 1,5mm²
Cable type:..... H-05V-K
Degree of protection:..... IP20
Action type according EN 60730:..... 1.B
Homologated:..... CE

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.

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

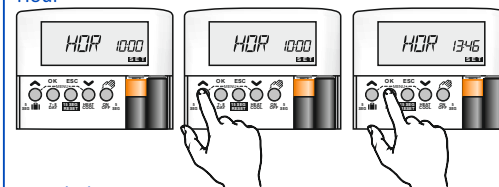
www.sonder.es



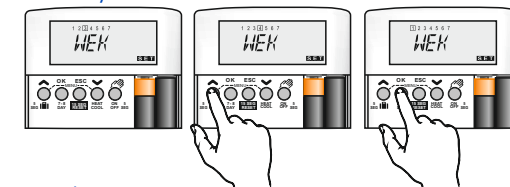
Code: 7463 INGVI en1616

Fist connection & Batteries replacement

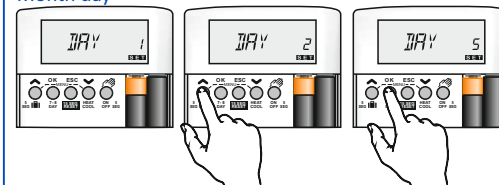
Hour



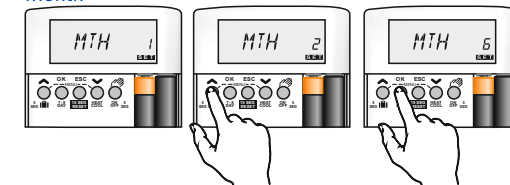
Week day



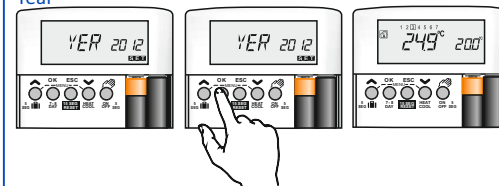
Month day



Month



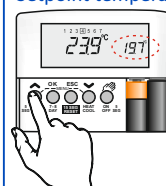
Year



Note: If the battery replacement takes less than 1 minute, the data of internal clock was saved in memory.

Data shown on the display

Setpoint temperature



Current time



% H.R. of ambient

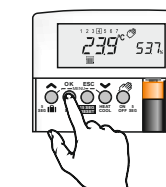
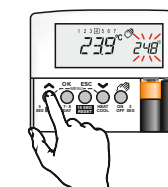
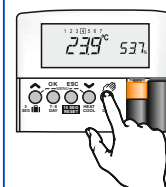


Temperature of the floor probe



Error of floor probe
- probe disconnected
- probe failure

Regulation in manual mode

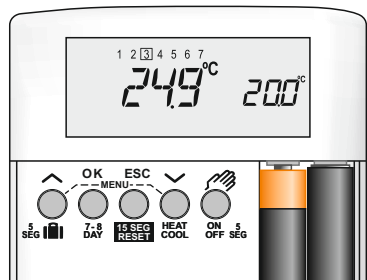


Programming the automatic mode and activation of functions

On our website (www.sonder-regulacion.com), you will find the manual for advanced use inside the product sheet **29.069** at the link [Manual de instalación](#).

Extended manual that will show you step by step programming of automatic control mode, the values that are factory set and how to change them.

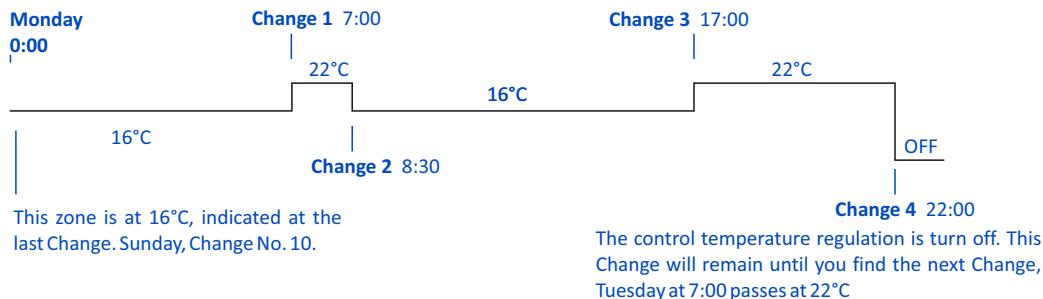
SONDER *Siesta* - CRX[®] RD Radiante Crono for Heating Floor



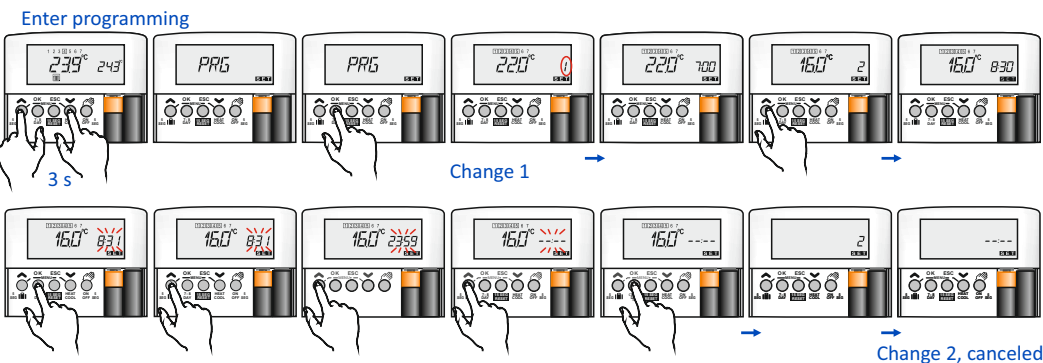
Programming	Change	Hour	Temperature	Days
For example we will use 10 Changes, but if you need more have up to 28 Changes that can be configured as desired.	1	7:00	22°C	Monday...Friday
	2	8:30	16°C	Monday...Friday
	3	17:00	22°C	Monday...Friday
	4	22:00	OFF	Monday...Friday
	5	7:00	22°C	Saturday
	6	17:00	16°C	Saturday
	7	19:30	23°C	Saturday
	8	23:00	16°C	Saturday
	9	8:00	23°C	Sunday
	10	22:00	16°C	Sunday

On Monday at 7:00 in the morning the heat will come on until you reach the house at 22°C, **Change 1** and continue until 8:30, after that time will keep the house at 16°C, **Change 2**. at 17:00 that receives the **Change 3** goes to heat the house up to 22°C and hold until 22:00 that happens to have the temperature in OFF period that does not regulate temperature, only keeps antifreeze, **Change 4** until to 7:00 Tuesday morning that recives the **Change 1**, and performs the same process until Friday because **Changes 1 to 4** are configured for five days alike.

Saturday at 7:00 am heating will come on until the house arrives to 22°C, **Change 5**, and continue until 17:00, after this time will keep the house at 16°C, **Change 6**. At 19:30 it receives the **Change 7** and goes home heating to 23°C and hold until 23:00, **Change 8**, which happens to maintain 16°C until the next **Change 9**, it is 8:00 on Sunday that will warm the house to 23°C throughout the day, until it receives the **Change 10** leaves the temperature to 16°C at 22:00 pm, temperature maintained until the next change, already again the **Change 1** on Monday.



Example to cancel a Change once configured

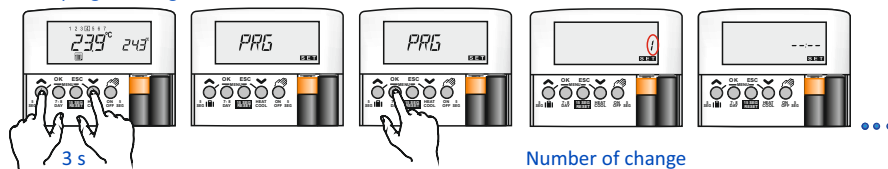


On Monday at 7:00 in the morning the heat will come on until you reach the house at 22°C, **Change 1** and continue until 17:00 that receives the **Change 3** and the rest of the programming remains the same.

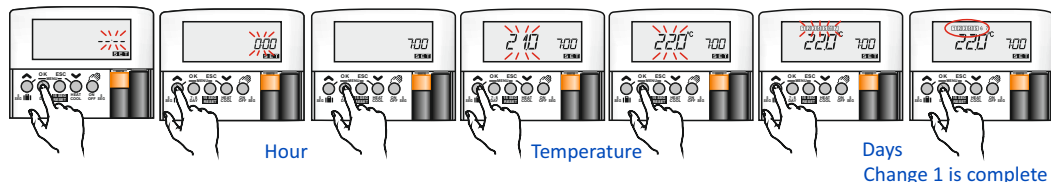
Programming example for regulation in automatic mode

Steps

Enter programming

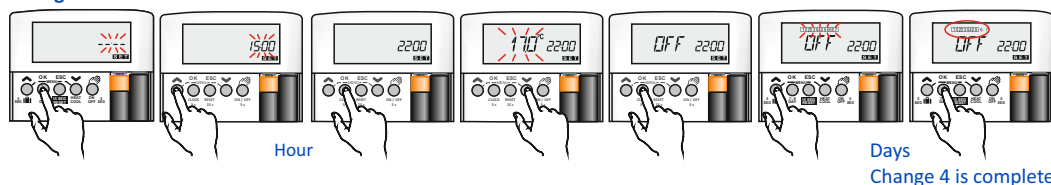


Change 1 - Monday...Friday

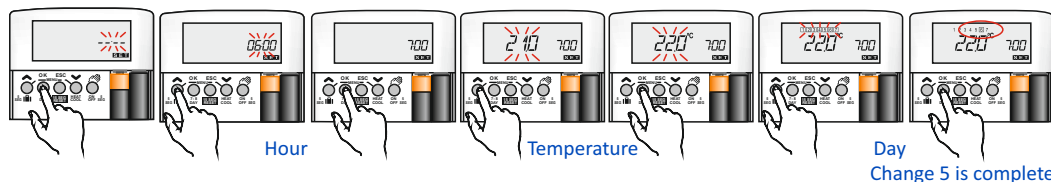


Changes 2 & 3 - Same procedure

Change 4

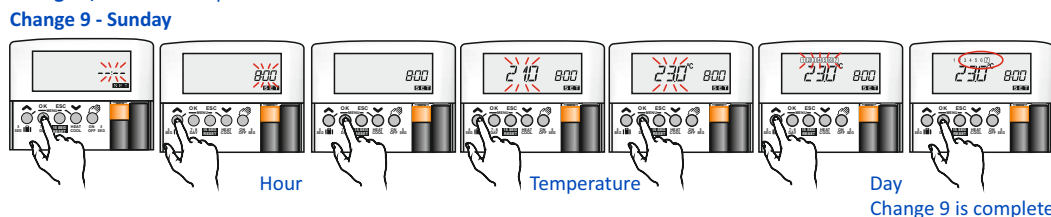


Change 5 - Saturday

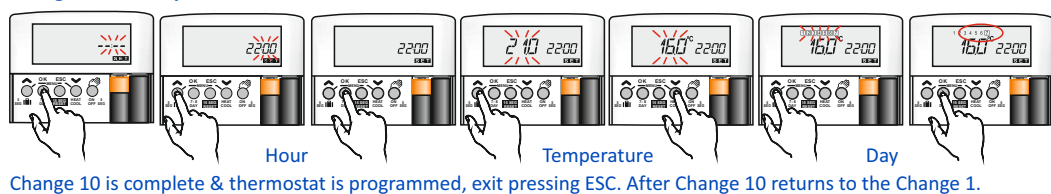


Change 6, 7 & 8 - Same procedure

Change 9 - Sunday



Change 10 - Sunday





Family

Siesta - CRX

Instructions Manual

Model *Siesta* - CRX RD Radiante
Cronothermostat for Heating Floor
Generation CorteX



New Programming
New Display
New Heart

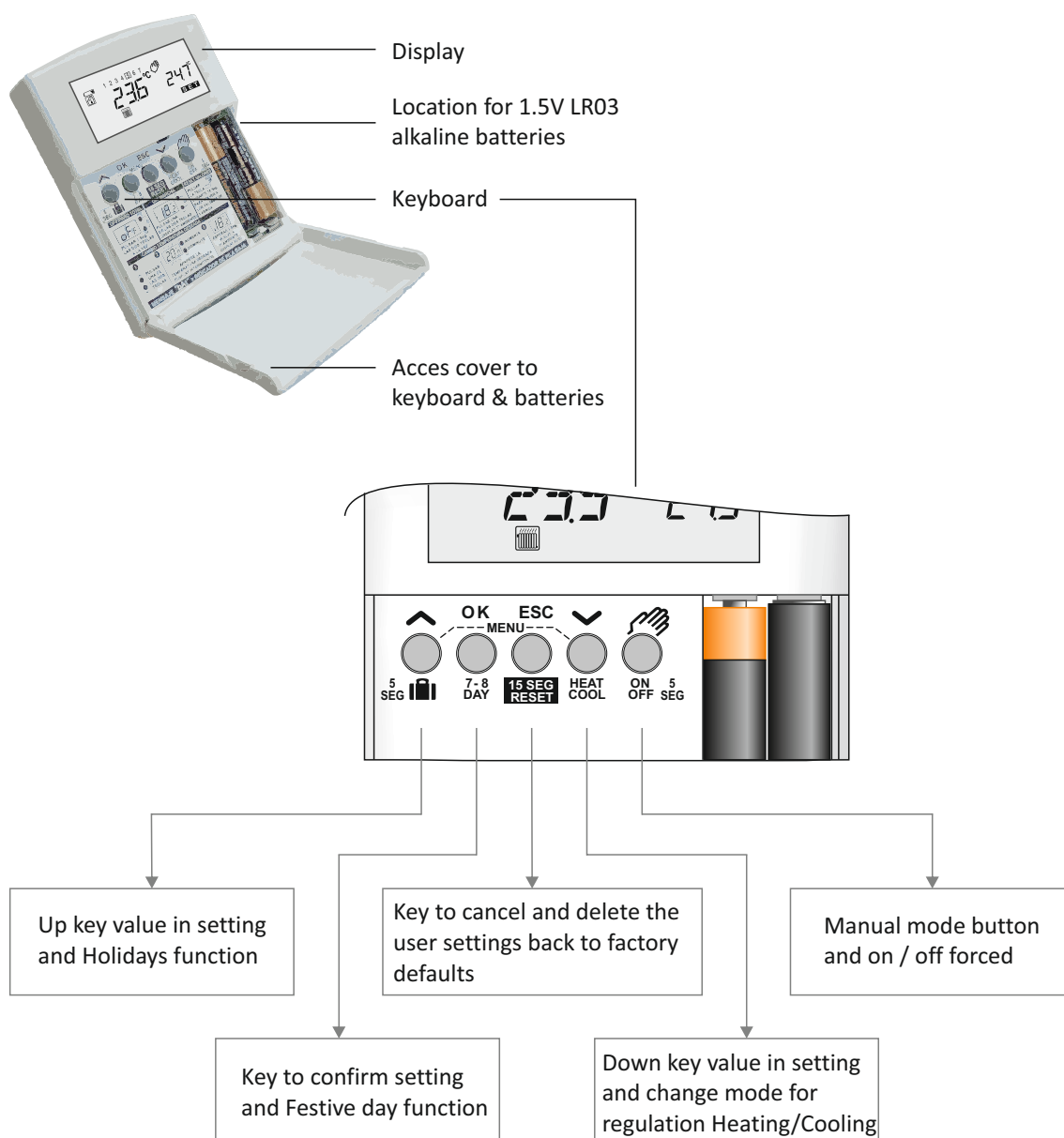


INDEX

- 2** Description
- 2** Location
- 3** Technical data
- 3** Installation
- 3** Batteries replacement
- 4** Exemples for installations
- 5** First connection
- 6** Display information
- 9** Menu
- 10** Parameters
- 11** Data shown on the display
- 11** Regulation in manual mode
- 11** Operating with password
- 12** Programming in automatic mode
- 13** Regulation mode: Heating / Cooling
- 13** Function festive day
- 13** Configuration for Clock & Temperature units
- 14** Holidays function
- 14** Reset
- 15** Guarantee conditions

Description

It is a digital thermostat with batteries for residential use in heating floor with complete freedom in programming, just have to set the changes, which tells the control the time, temperature and days to apply. You can memorize up 28 changes. It can also operate in manual mode, just need to check the temperature.

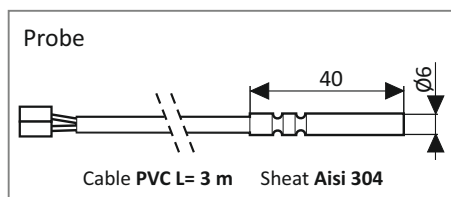
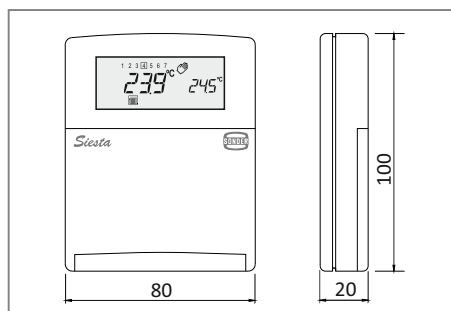


Location

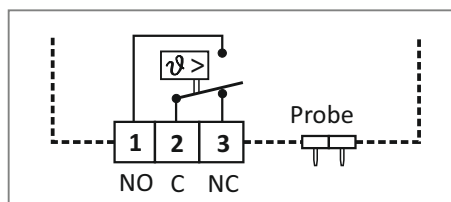


Technical data


Measures mm



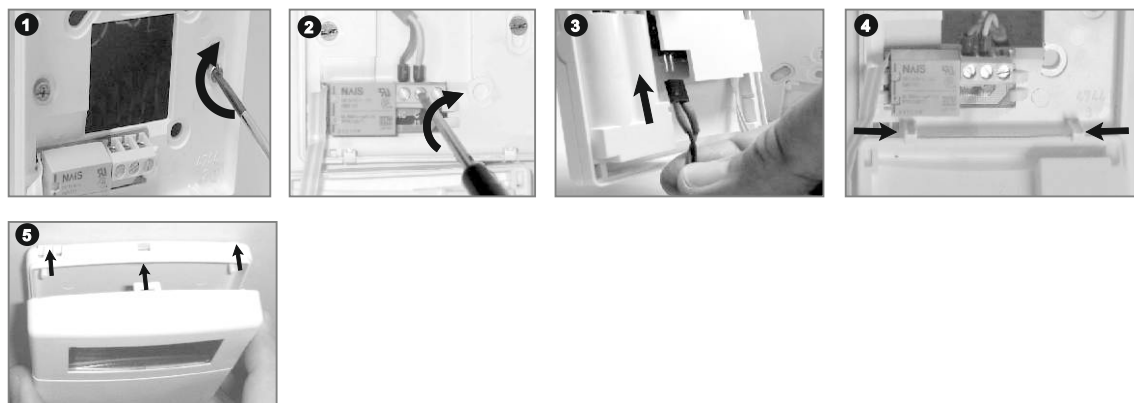
Electrical drawing



Specifications

Regulation scale:..... from 5 to 35°C
 Floor probe scale:..... from -30 to +80°C
 Ambient tempereature:..... Tmin. 0°C, Tmax. 40°C
 Storage temperature:..... maximum 50°C
 1,5V Alkaline battery (2 pcs):..... LR03 (AAA)
 Low battery indicator:..... 
 Battery duration:..... 1,5 year, aprox
 Breakage power (contacts):..... 8(3)A 250Vac
 Maximum cable to connect:..... 1,5mm²
 Type wiring:..... H-05V-K
 Control degree protection:..... IP20
 Probe degree protection:..... IP67
 Degree pollution:..... 2
 Software:..... Class A
 Action type according EN 60730:..... 1.B
 Homologated:..... CE
 Net weight (with batteries & probe):..... 207 g
 Gross weight:..... 230 g

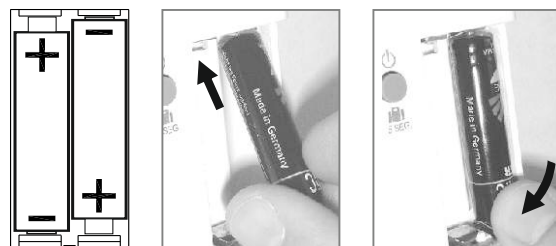
Installation



Batteries replacement

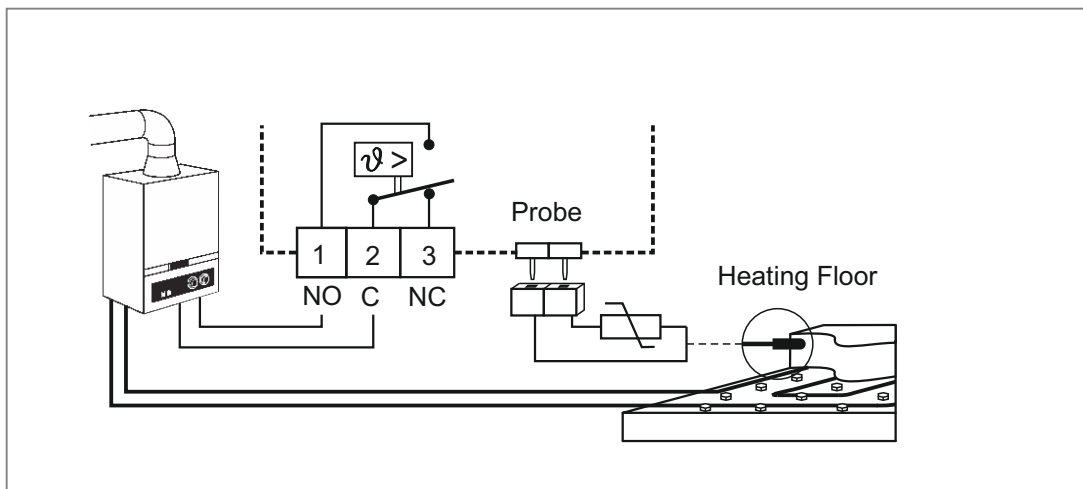
Open the battery compartment cover and insert two LR03 AAA 1.5V batteries. Make sure the positive and negative ends are facing the correct direction, as shown picture of side & always introducing them as indicated. The display shows for 2 seconds the program version and then pass to set the internal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

Very Important: Don't use rechargeables batteries

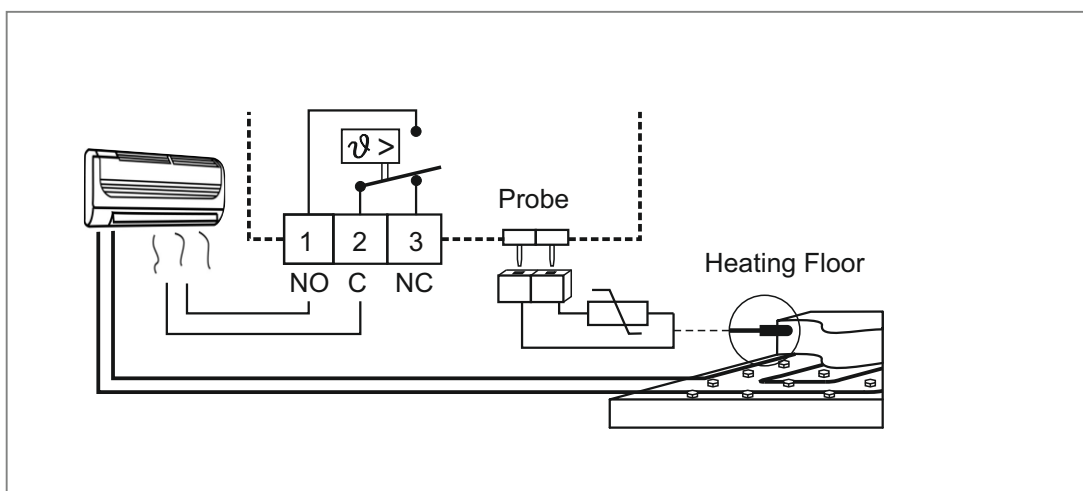


Exemples for installations

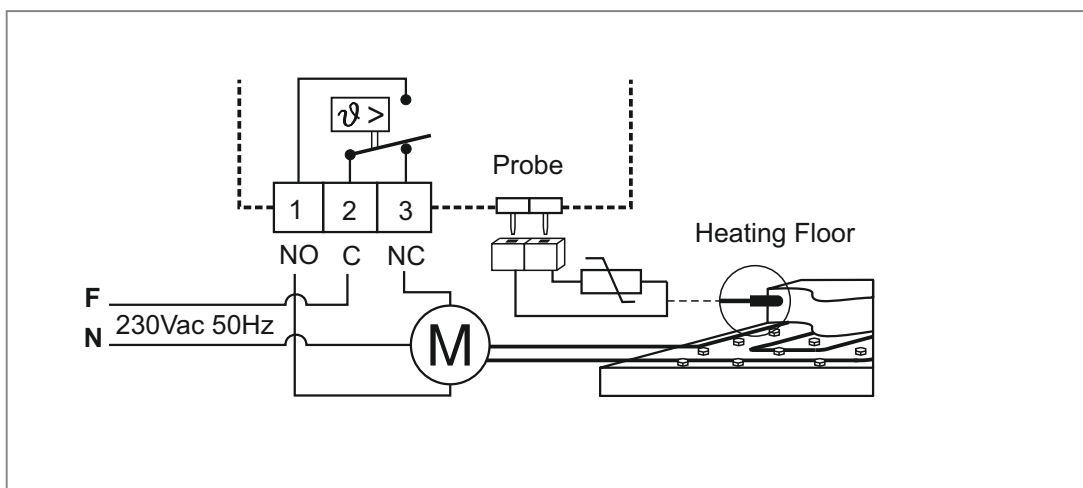
Boiler



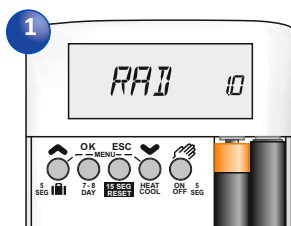
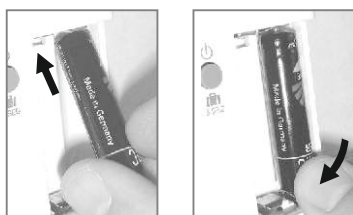
Heating pump



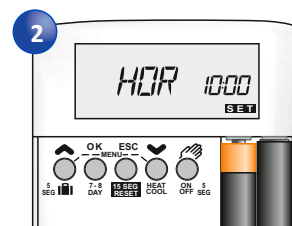
Valve control



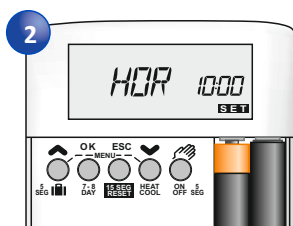
First connection



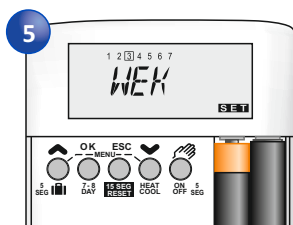
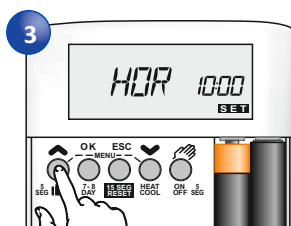
Version



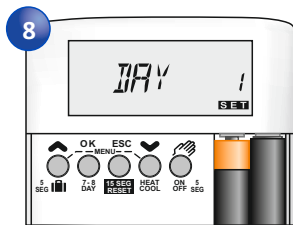
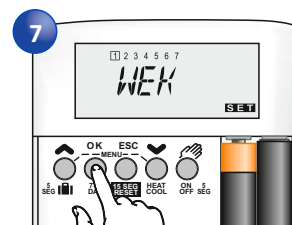
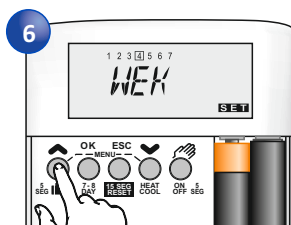
2 s



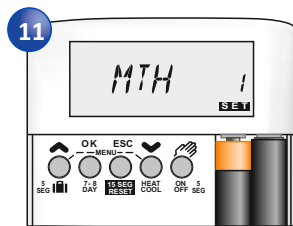
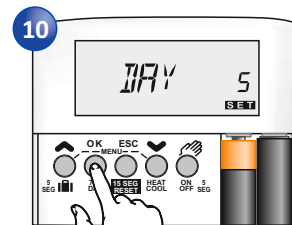
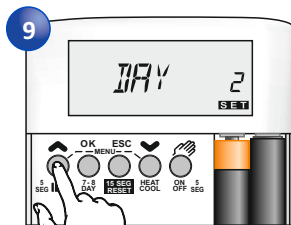
Hour



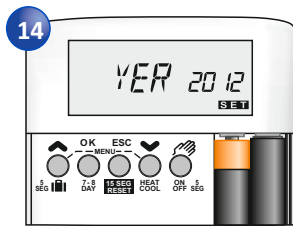
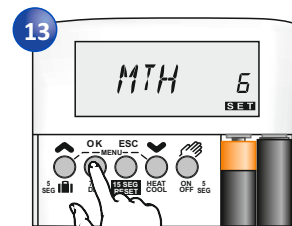
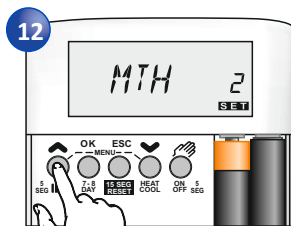
Week day



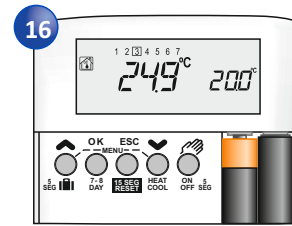
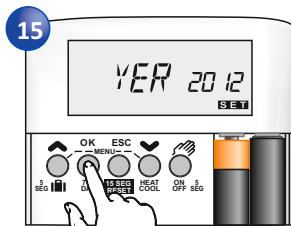
Month day



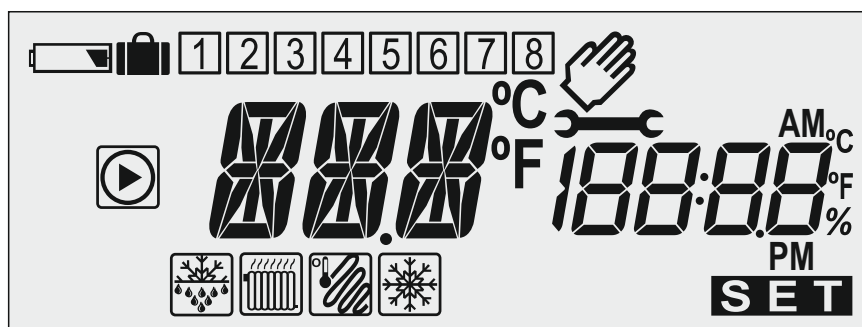
Month



Year




Display information



Manual mode

Shown on the display when the control is in manual mode. Only has to adjust the temperature by the arrows.

Pressing the key  moves in and out of manual mode.

Automatic mode

Programming changes (temperature / time / day), up to 28 changes, the control automatically regulates heating.

You can program: every day in a different way, or Monday through Friday, or the weekend or Monday to Saturday ... just for your needs.



Manual Off


OFF

The device no control the temperature, only remains the Frost protection function and pump protection.



Regulation in heating


Shown on the display with regulation in heating mode: Relay switched on when the temperature is below the setpoint minus differential & relay switched off when arrives to setpoint.

Pressing the key  by 5 seconds, change the mode.



Regulation in cooling

Shown on the display with regulation in cooling mode: Relay switched on when the temperature is above the setpoint plus differential & relay switched off when arrives to setpoint.

Pressing the key  by 5 seconds, change the mode.




Activated relay

Shown on display when boiler or pump is activated.



Holidays

For absences longer you can program to control the temperature & the days that you want to leave your home while you are away.

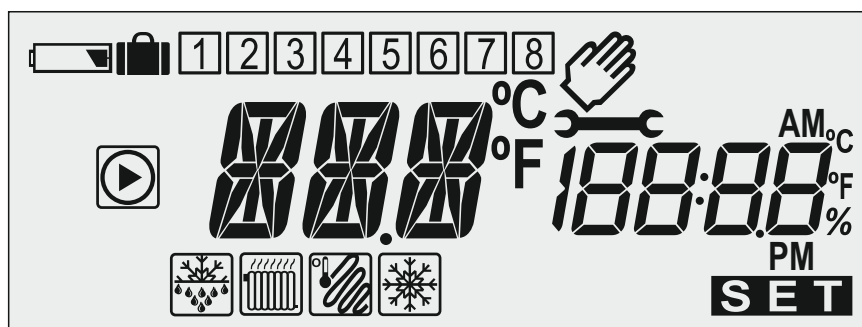
Pressing key  by 5 seconds to enter setup function.

SET

Programmation

Shown on display when you are within programming.

Display information



Batteries

Shown on the display when the batteries status is low and should be changed.

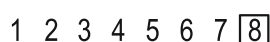
Days

The square will mark the current day and also the day on which the change is executable.



Festive day

Display shown the square mark in 8 number, it indicates that the next day is Sunday for the control, and they applies the sunday settings for that day. Pressing ESC cancels and also returns to automatic mode.



Hours counter

There are two counters one of total hours of operation of the valve, and another counter for partial hours (this can be cleared in menu).



Valve protection

Active for one minute the valve or circulator pump to prevent damage from lack of use.




Frost protection

The control does not allow the temperature drops below the limit temperature that supports the installation just before the water pipes from freezing. Setting from the factory at 6°C.
To adjust go to menu within parameters.


Reset

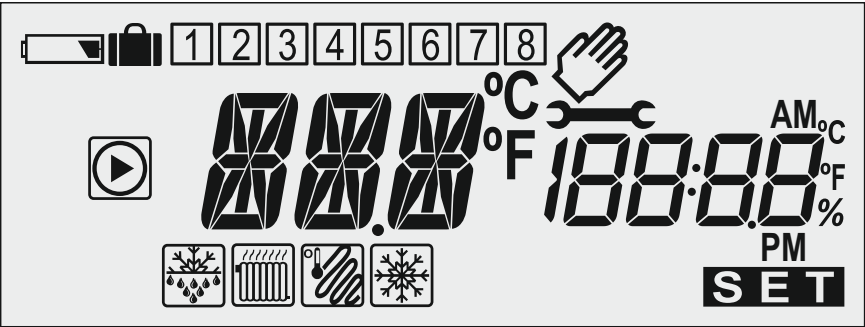


Pressing by 15 seconds the key  deletes the custom settings of the parameters and return to the factory settings. Only save in memory the clock settings and the total hour counter.

Digit



The displays shows with big digits the reading ambient temperature and in smaller digits: the setpoint temperature / current time / Relative Humidity / temperature of floor probe
Pressing  shows the next reading



Temperature at probe



35.7°C

Indicates that the temperature displayed in smaller digits belongs to the probe of Floor.

Error of floor probe



Erro

When the probe reading is not correct (it is not connected or is faulty) in place of reading shows the error message.

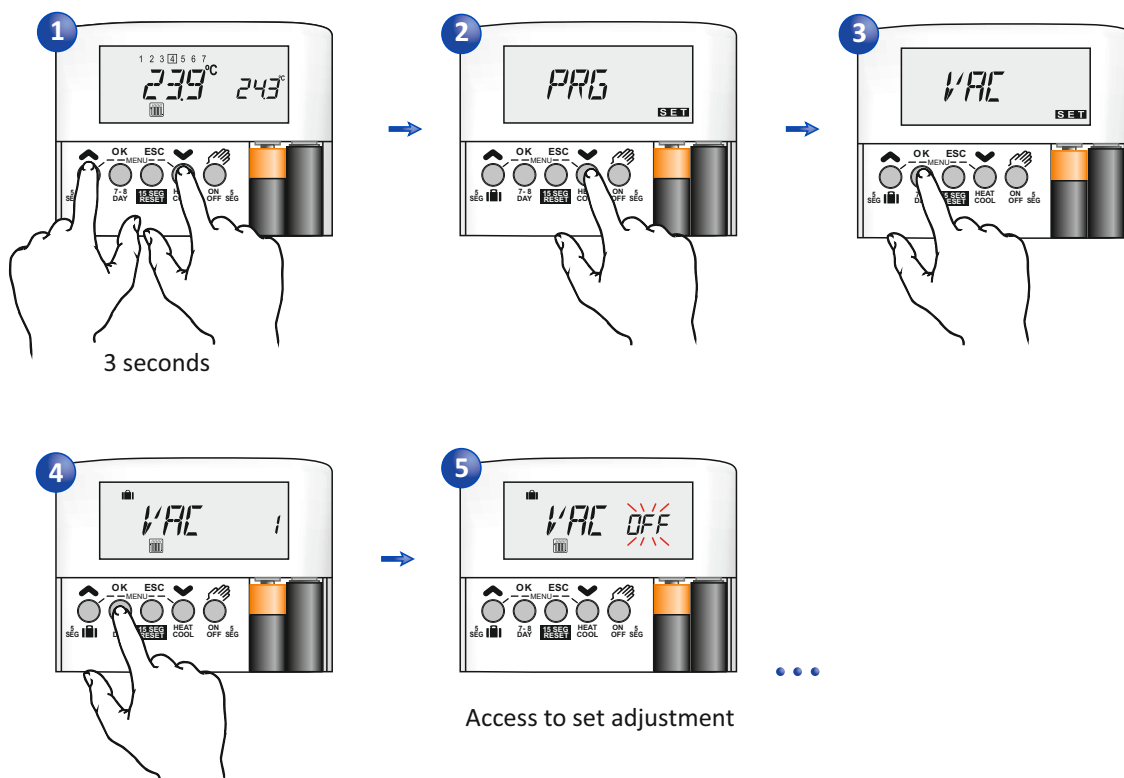
Parameters




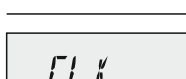

PAR

SET

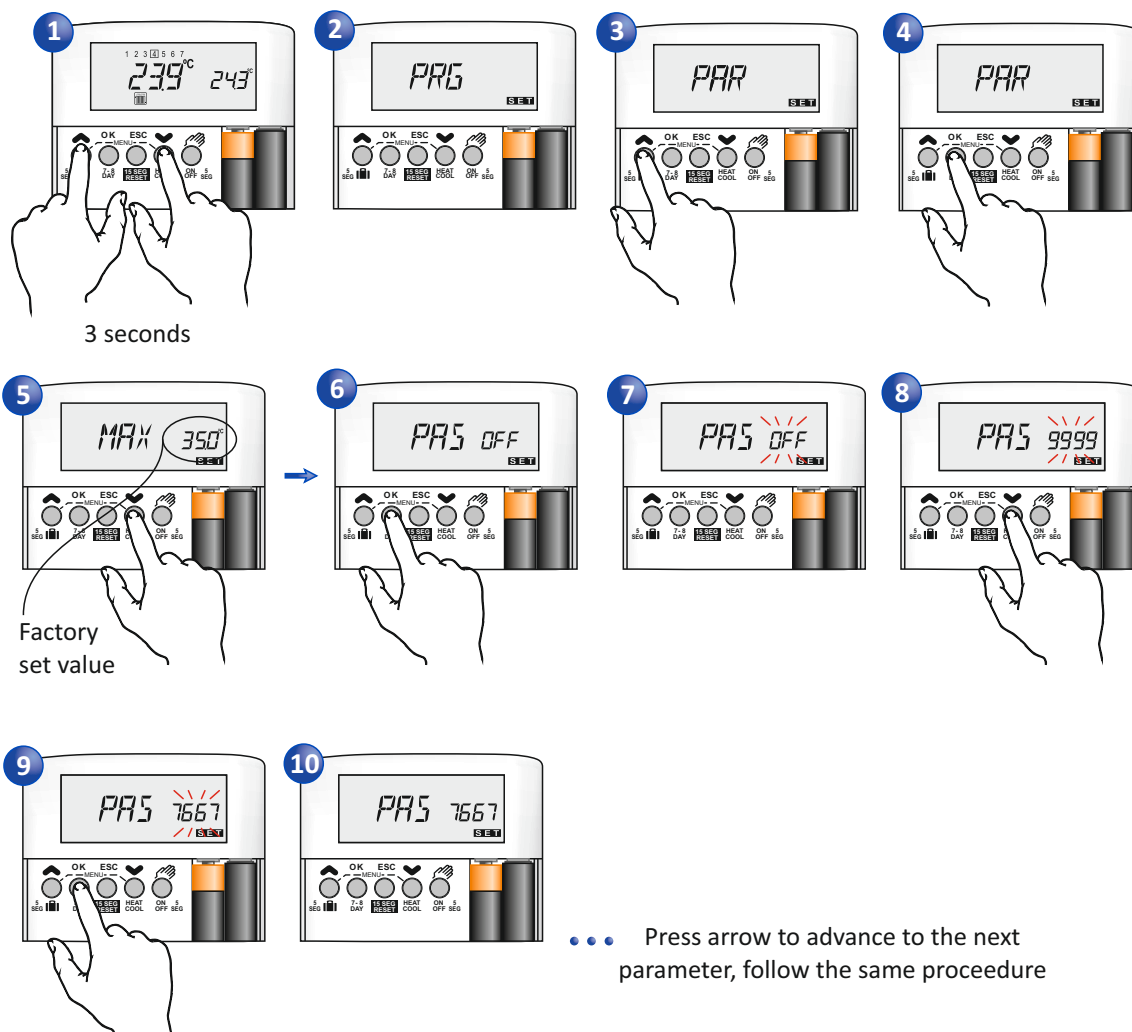
Within the menu you can set the parameters that guide the operation of control, maximum and minimum temperature setpoint, calibration of internal temperature sensor, regulation mode heating / cooling, temperature differential for the activation of the boiler, temperature for Frost protection, time delay in the activation or deactivation valve protection, temperature units °C or °F and password access to programming or changes.

Menu



	Programation	Allows you to configure up to 28 changes to regulate control in automatic mode.
	Holidays function	Set the temperature at which it is to be home while you are away and days of absence, after those days, the control returns to automatic mode.
	Hours counter	You will find two types of counter one with the total hours of operation and one with partial hours (this can be cleared each time you want by pressing the OK button)
	Clock	Setting the time, day of week, day of month, month, year, format in which the time is displayed (12/24 hours), starting day for the week (Saturday / Sunday) see page 13.
	Parameters	Adjustments that guide the operation of control, maximum and minimum temperature setpoint, calibration of internal temperature sensor, regulation mode heating / cooling, temperature differential for the activation of the boiler, temperature for Frost protection, time delay in the activation or deactivation valve protection, temperature units °C or °F and password access to programming or changes.

Parameters



MAX 35.0
Max. temperature setpoint
Scale: 6.0°C ... 35.0°C
66.2°F ... 95.0°F

MIN 6.0
Min. temperature setpoint
Scale: 6.0°C ... 35.0°C
42.8°F ... 95.0°F

CAL 0.0
Sensor calibration
Scale: -10.0°C ... 10.0°C
-18.0°F ... 18.0°F

CAL 0.0
Floor probe calibration
Scale: -10.0°C ... 10.0°C
-18.0°F ... 18.0°F

MOD HEAT
Regulation mode
Scale: HEAT / COOL

DIF 0.3
Activation differential
Scale: 0.1°C ... 3.0°C
0.1°F ... 5.4°F

DIF 0.5
Floor differential activation
Scale: 0.1°C ... 3.0°C
0.1°F ... 5.4°F

ANT 5.0
Frost protection
Scale: OFF / ON (4.0 ... 9.0°C)
(39.1 ... 48.2°F)

DEL OFF
Activation delay
Scale: OFF / ON (1... 60 minutes)

PUP OFF
Pump protection
Scale: ON ... OFF

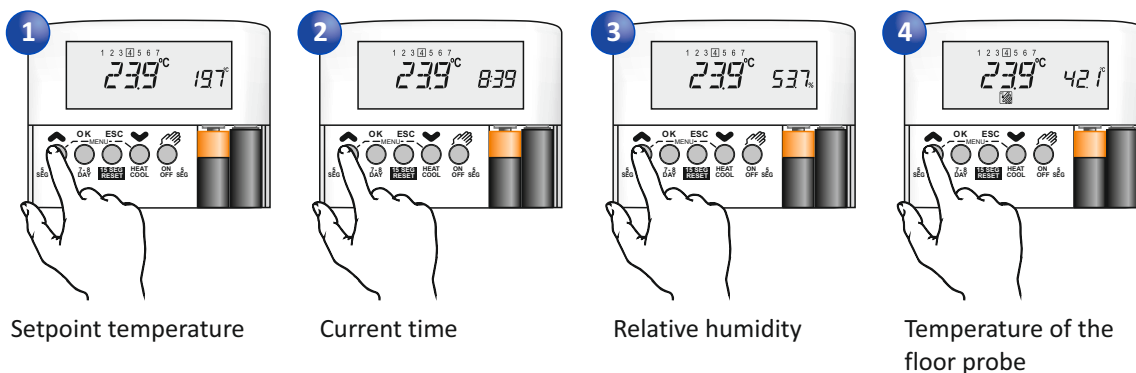
LINT CELC
Temperature units
Scale: Celsius °C / Fahrenheit °F

SND FLOO
Floor probe
Scale: OFF / FLOO(ON)

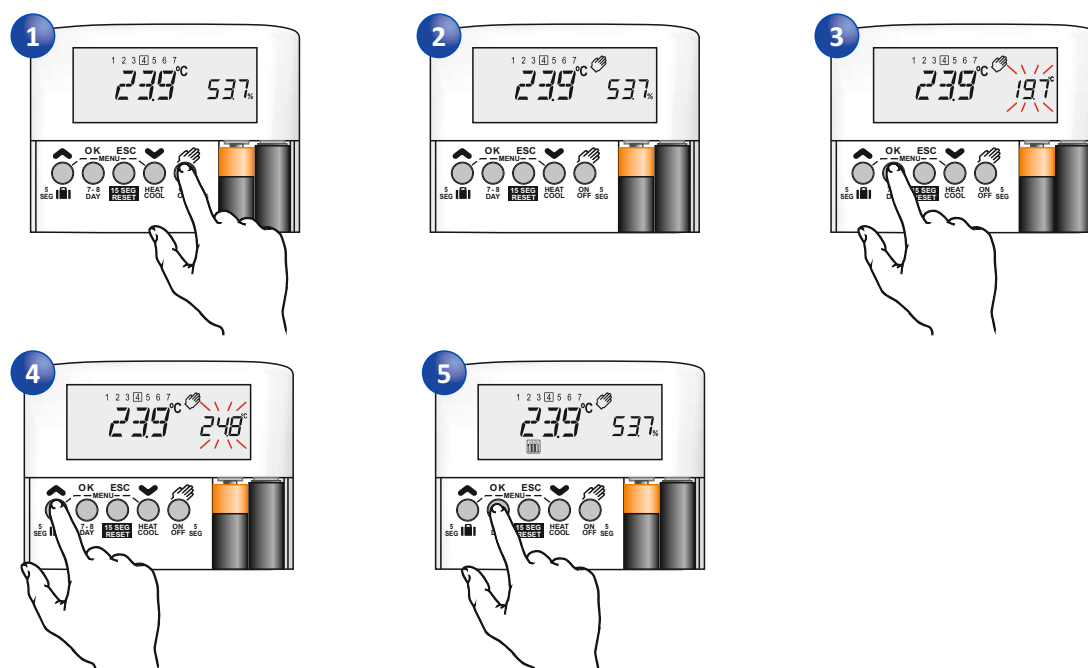
LIF 45.0
Limit temperature probe floor
Scale: 10.0°C ... 70.0°C
50.0°F ... 158.0°F

PAS OFF
Password
Scale: OFF / ON(1...9999)

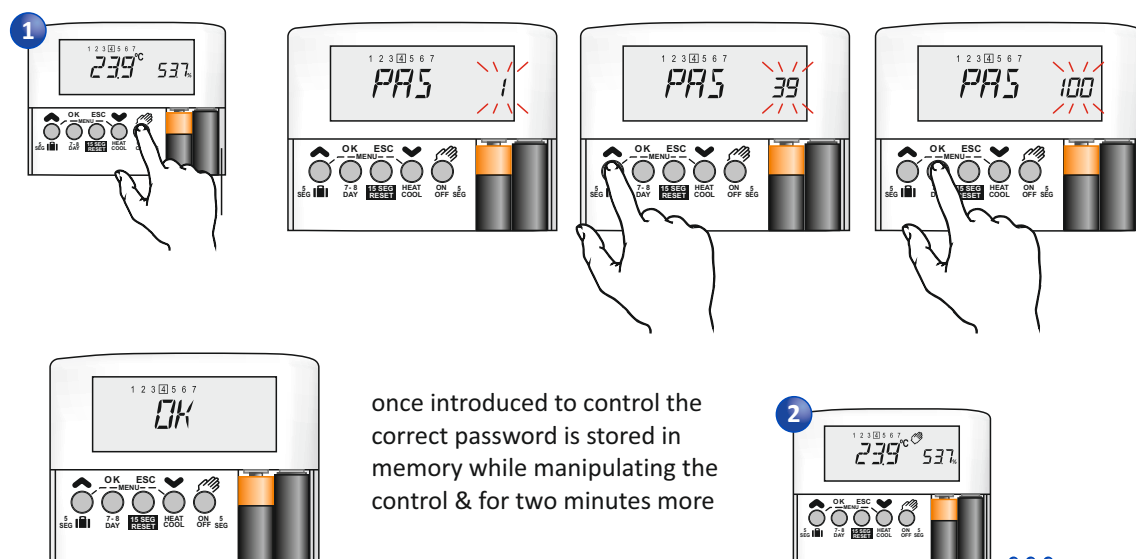
Data shown on the display



Regulation in manual mode



Operating with password



Programming for automatic mode

Programming example for automatic mode

Nr. change	Hour	Temperature	Independent days	Days		
				Every days	Monday to Friday	Saturday & Sunday
1	6:00	22°C			X	
2	7:35	18°C			X	
3	8:10	22°C				X
4	10:00	18°C				X
5	13:00	22°C		X		
6	16:00	18°C		X		
7	18:00	22°C		X		
8	23:30	18°C		X		

From Monday to Friday..... 1 2 3 4 5 6 7

From Monday to Saturday.. 1 2 3 4 5 6 7

Saturday & Sunday..... 1 2 3 4 5 6 7

Every day..... 1 2 3 4 5 6 7

Monday..... 1 2 3 4 5 6 7

Tuesday..... 1 2 3 4 5 6 7

Wednesday..... 1 2 3 4 5 6 7

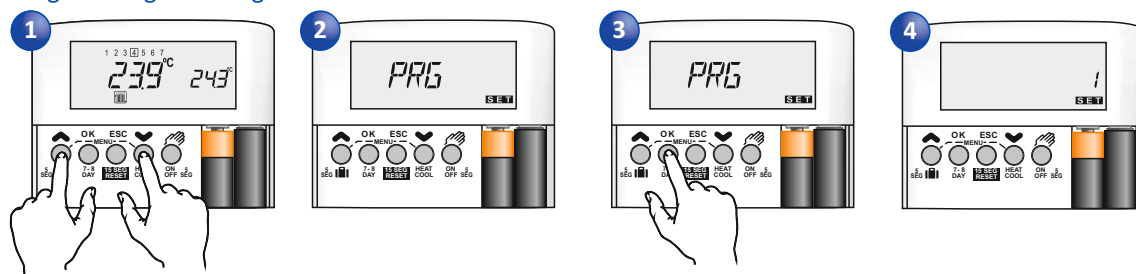
Thursday..... 1 2 3 4 5 6 7

Friday..... 1 2 3 4 5 6 7

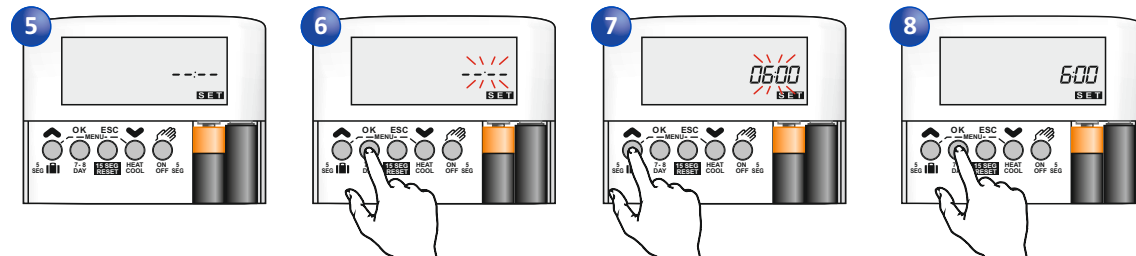
Saturday..... 1 2 3 4 5 6 7

Sunday..... 1 2 3 4 5 6 7

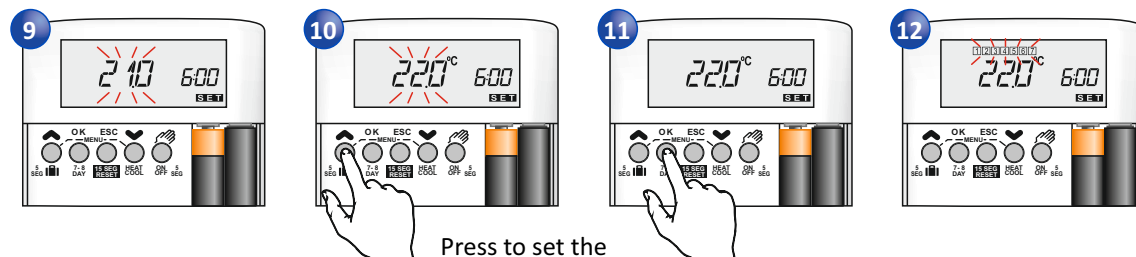
Programming for change: 1



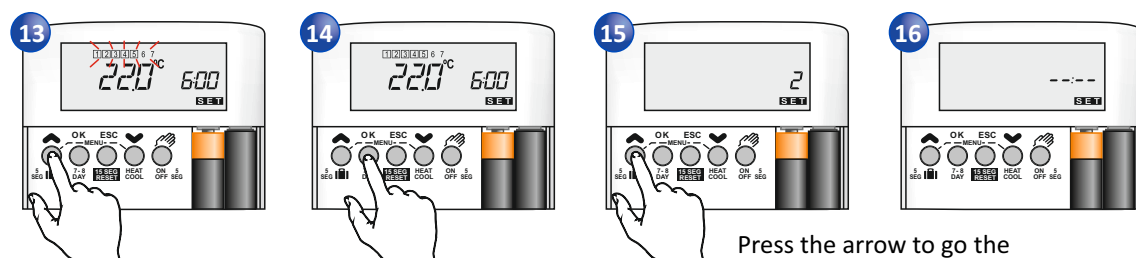
3 seconds



Press to adjust the start time for change



Press to set the desired temperature

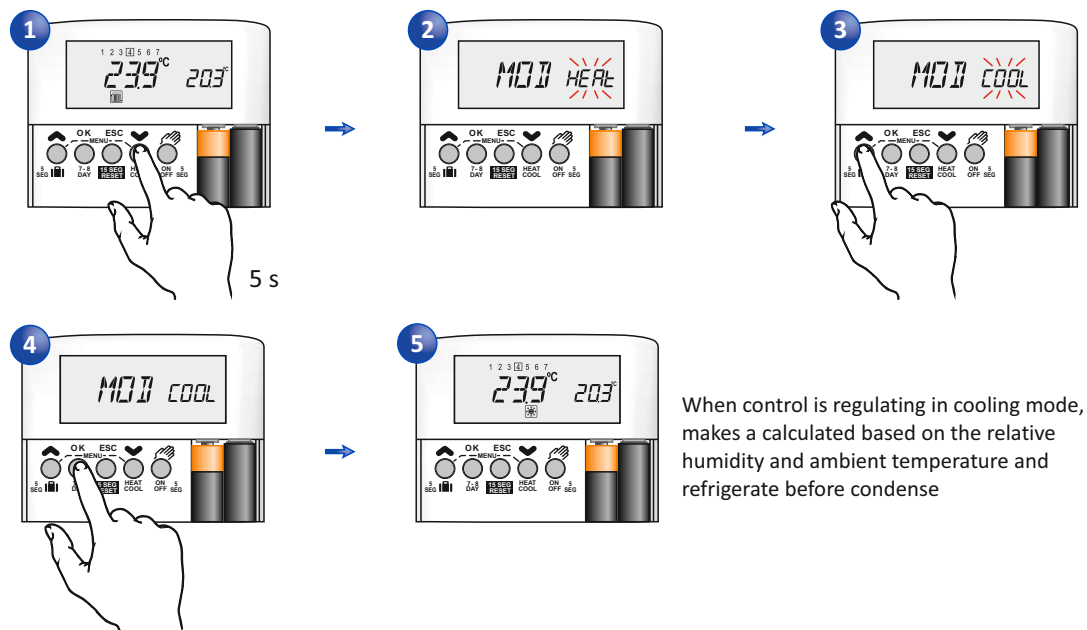


Press to set the desired days

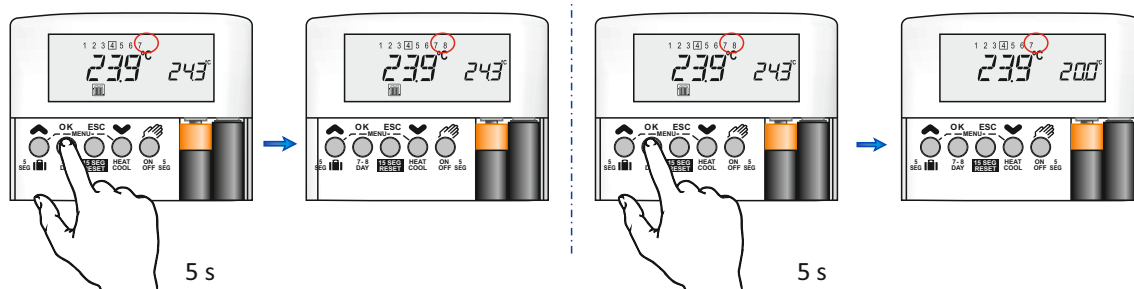
Change 1 is now complete

Press the arrow to go the next change & follow the same procedure

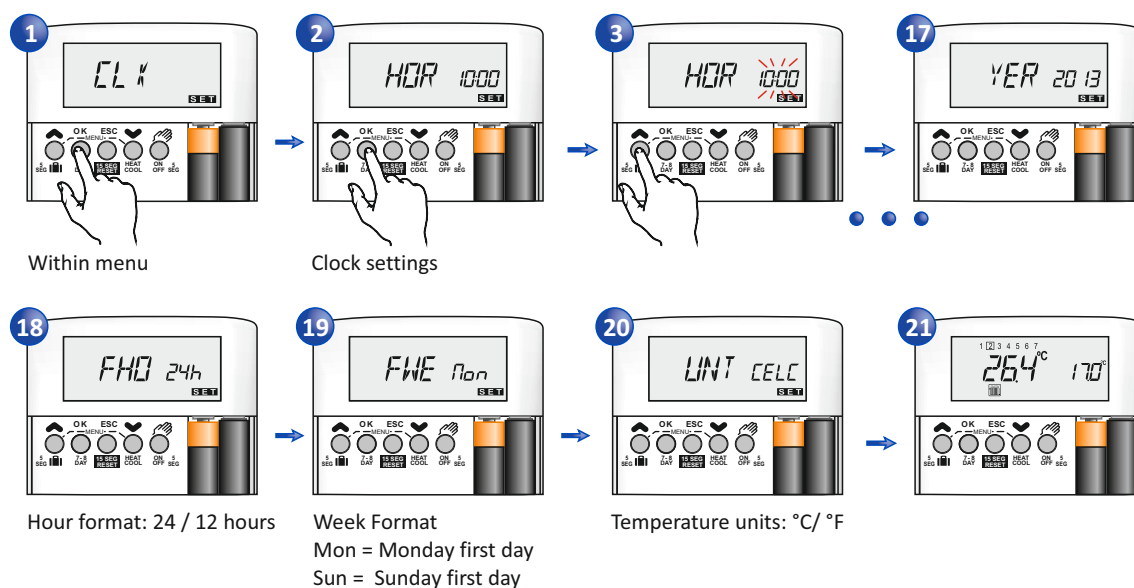
Mode of regulation: Heating / Cooling



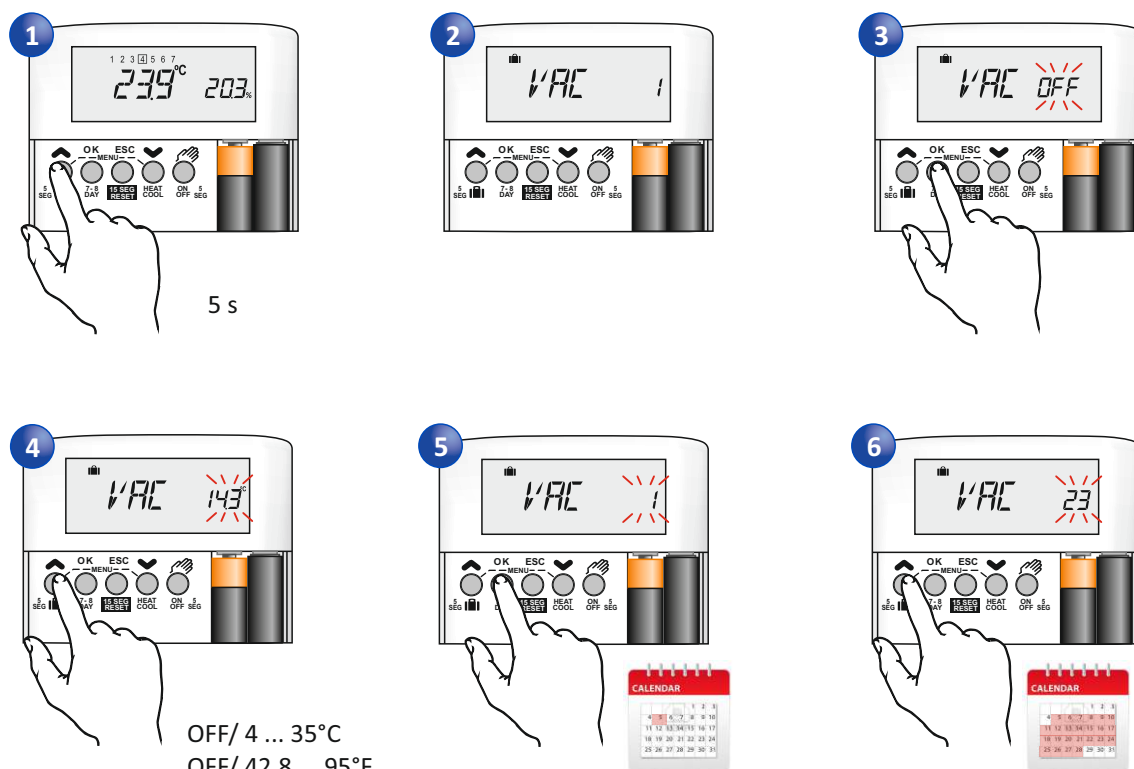
Festive day function



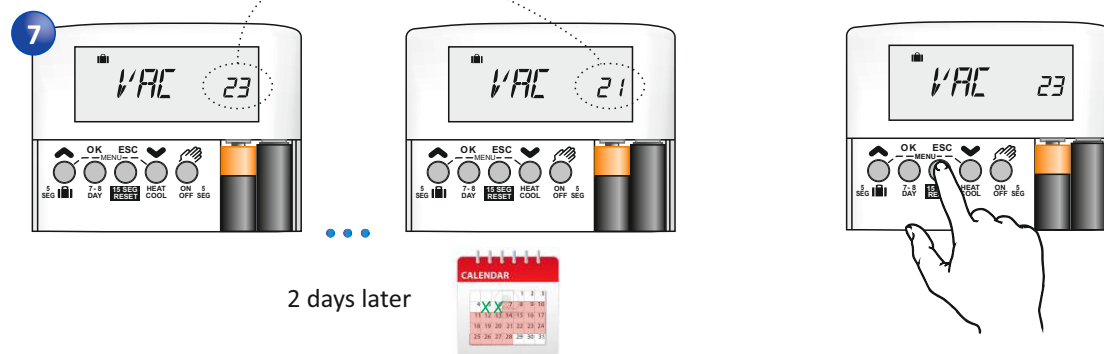
Configuration for Clock & Temperature units



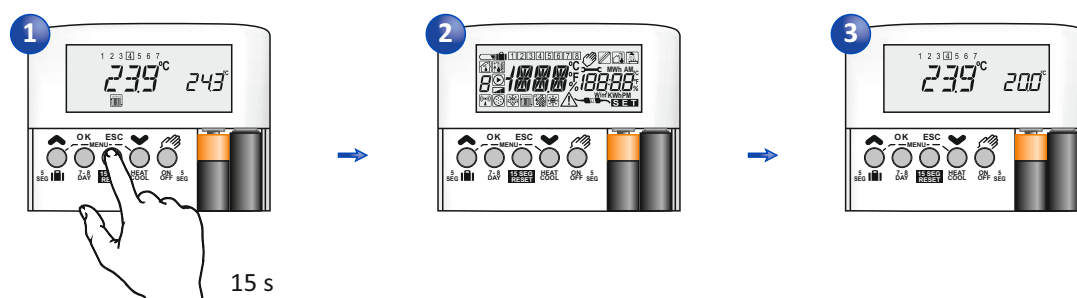
Holidays function



Disables the function



Reset



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 Rubí 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.sonderregulacion.com

