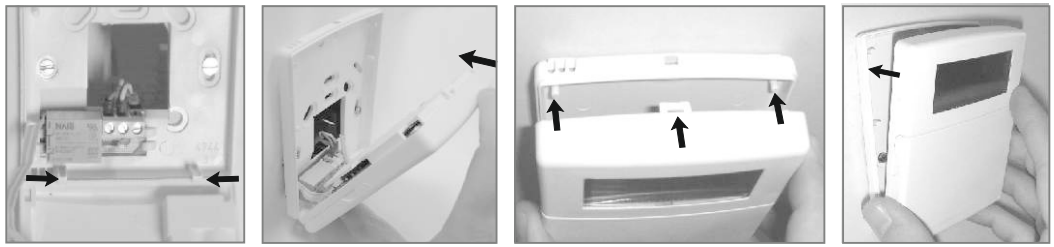
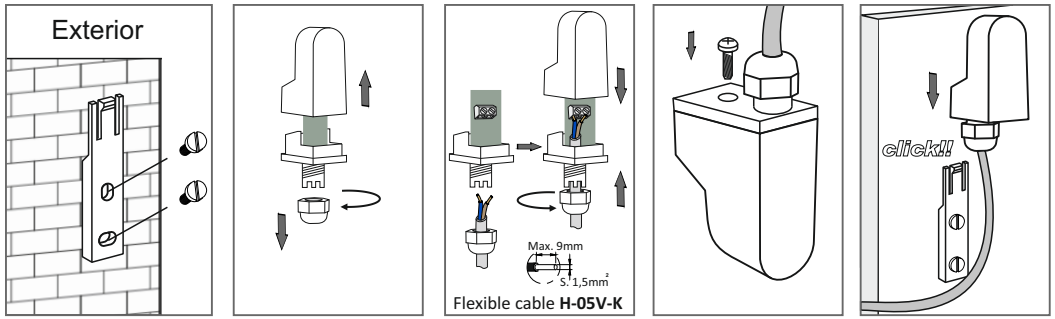
Siesta - CRX® RD Exterior

Weekly Chrono with External Probe

Instructions for installation

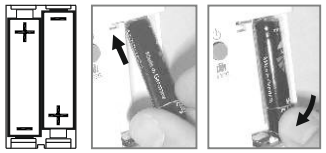


Installation of external probe 7.336 (optional)



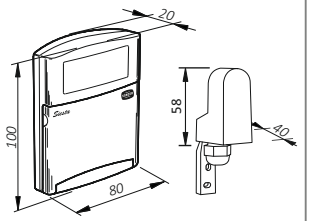
Batteries replacement

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**



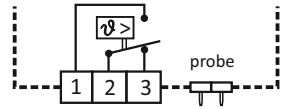
Technical data

Measures:

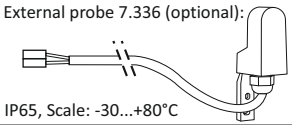


Net weight: 95 g Net weight: 32 g

Electrical drawing:



External probe 7.336 (optional):

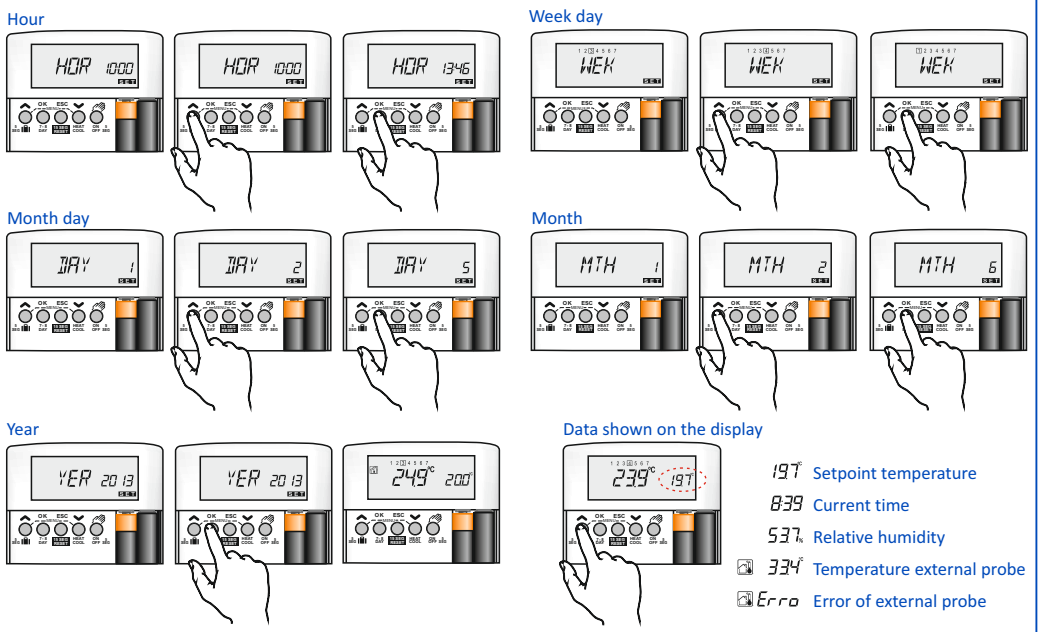


Regulation scale:	**from 5 to 35°C**
Ambient temperature:	**Tmin. 0°C, Tmax. 40°C**
Storage temperature:	**maximum 50°C**
Alkaline batteries (2 Units):	**1,5V LR03 (AAA)**
Low battery indicator:	
Battery duration:	**1,5 years, aprox**
Breakage power (contacts):	**8(3)A 250Vac**
Maximum cable size to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

Siesta - CRX® RD Exterior

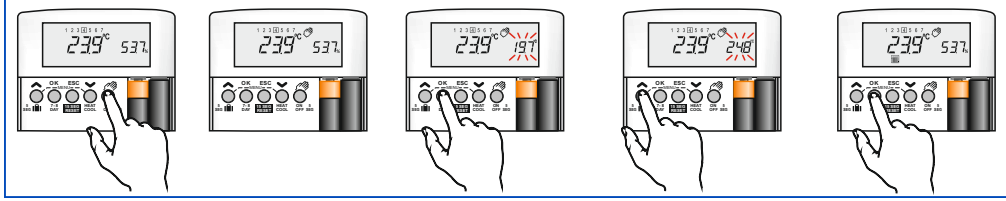
Weekly Chrono with External Probe

First connection & Batteries replacement



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

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 **29.070** 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.

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

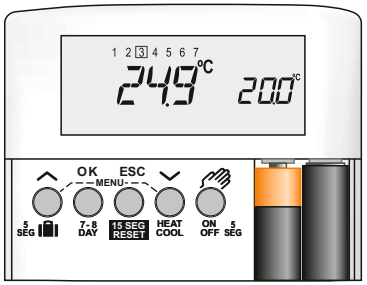
(Barcelona) Spain

www.sonder.es

Code: 7467 INGV1 ene16

Siesta - CRX® RD Exterior

Weekly Chrono with External Probe



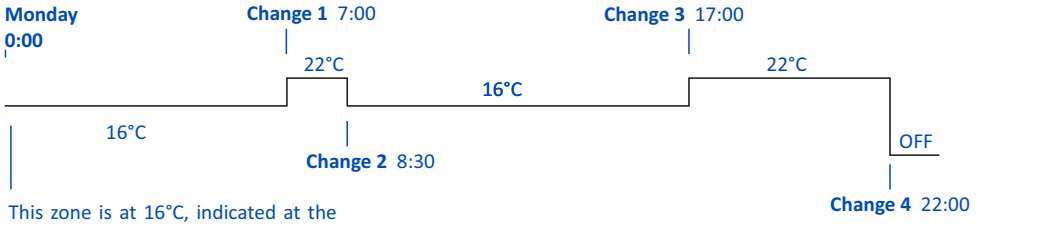
Programmation

For example we will use 10 Changes, but if you need more have up to 28 Changes that can be configured as desired.

Change	Hour	Temperature	Days
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.

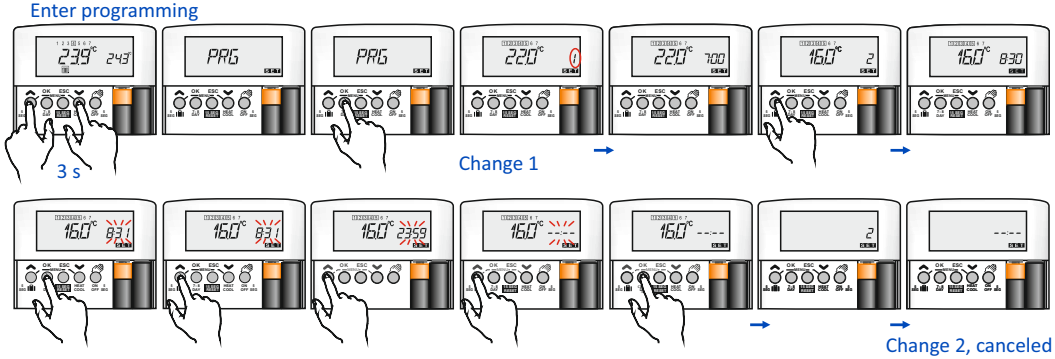


This zone is at 16°C, indicated at the last Change. Sunday, Change No. 10.

The control temperature regulation is turn off. This Change will remain until you find the next Change, Tuesday at 7:00 passes at 22°C

Example to cancel a Change once configured

Enter programming

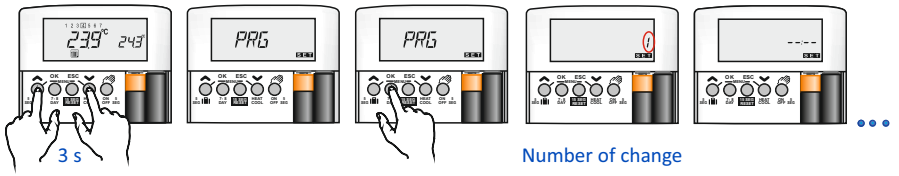


On Monday at **7:00** in the morning the heat will come on until you reach the house at **22°C**, Change 1 and continue until **17:00** that receives the Change 3 and the rest of the programming remains the same.

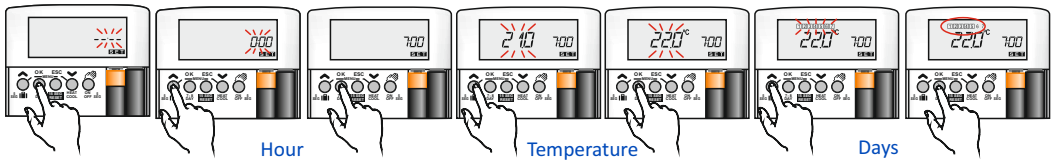
Programming example for regulation in automatic mode

Steps

Enter programming

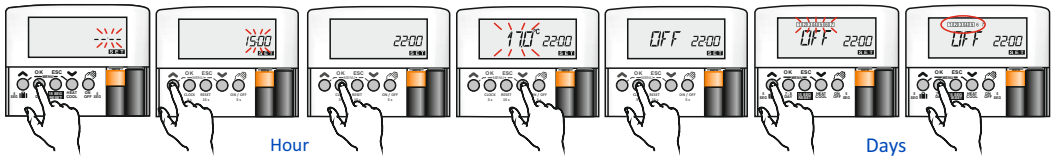


Change 1 - Monday...Friday

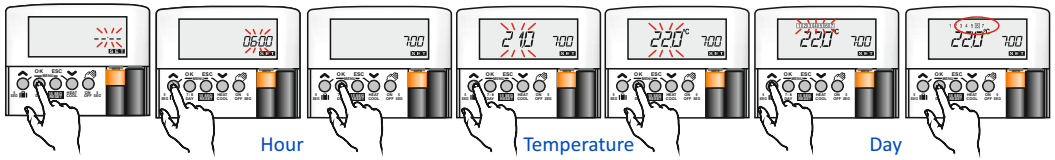


Changes 2 & 3 - Same procedure

Change 4

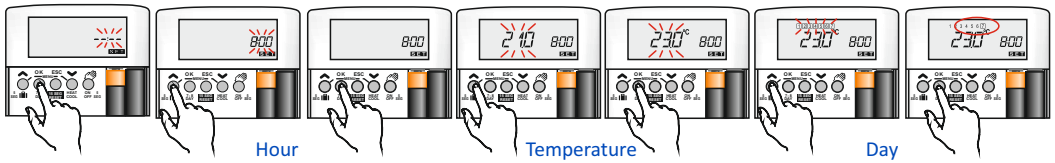


Change 5 - Saturday

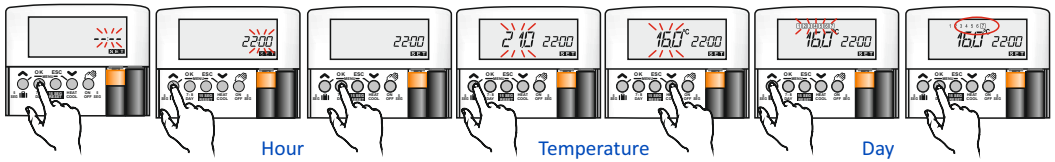


Change 6, 7 & 8 - Same procedure

Change 9 - Sunday



Change 10 - Sunday



Change 10 is complete & thermostat is programmed, exit pressing ESC. After Change 10 returns to the Change 1.

SONDER

Energy Control

Family

Siesta - CRX

Instructions manual

Modelo *Siesta* - CRX RD Exterior

Weekly Chornothermostat

Generation CorteX

New Programming

New Display

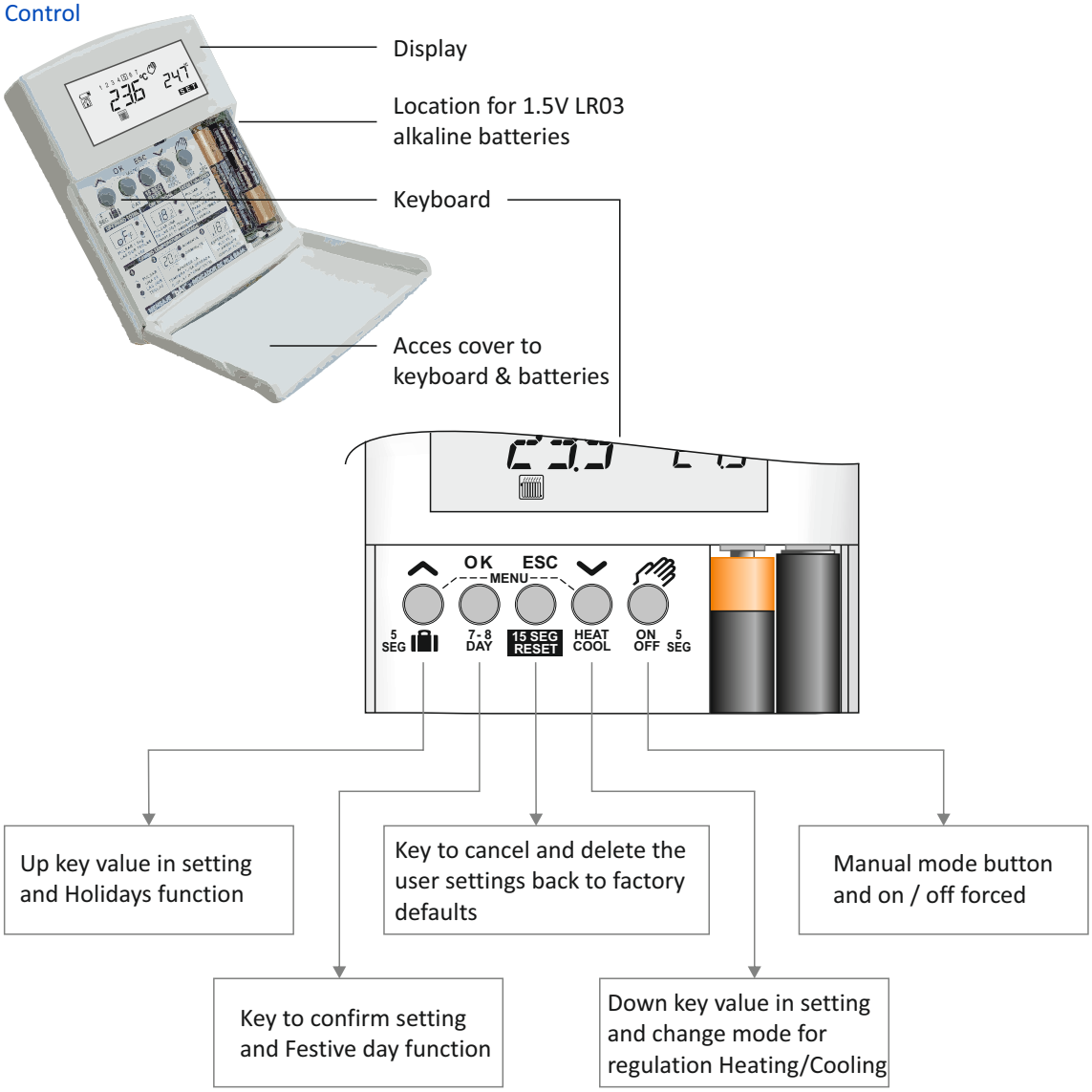
New heart

INDEX

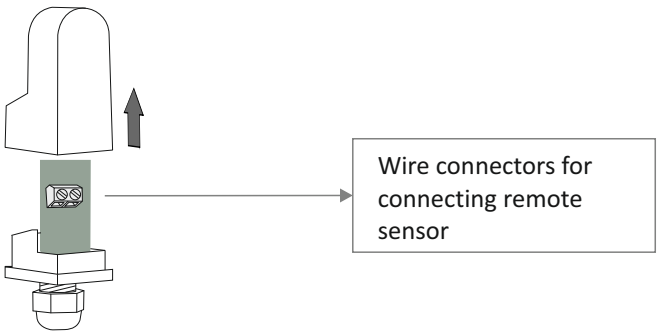
Description

It is a digital thermostat with battery power and smart processor with fuzzy-logic algorithm, which makes calculations for prediction of temperature.
The control has an optional accessory that is an external probe to sense the external temperature and thus can be advanced to the heating needs to reduce the inertia of the boiler, which is a huge energy savings.
Total freedom in programming, in which orders where time, temperature and day are indicated set applicable. You can store up to 28 changes.
It can also operate in manual control mode, you need only set the desired temperature.

Control

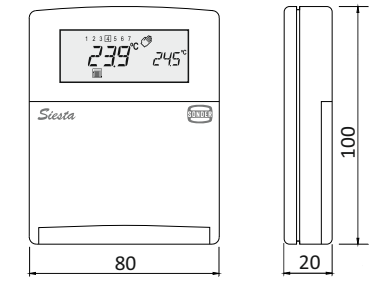


Exterior probe 7.336 (optional)

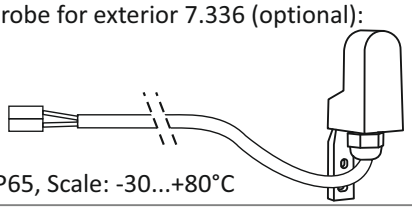


Technical data

Measures mm

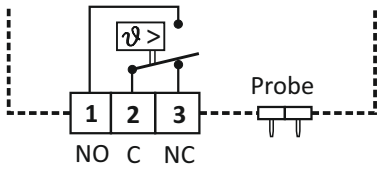


Probe for exterior 7.336 (optional):



IP65, Scale: -30...+80°C

Electrical drawing



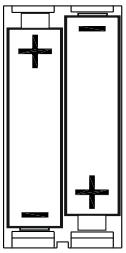
Specifications

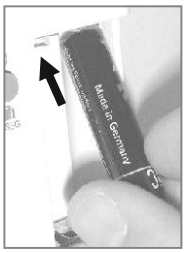
Regulation scale:..... **from 5 to 35°C**
Floor probe scale:..... **from -30 to +80°C**
Ambient temperaure:..... **Tmin. 0°C, Tmax. 40°C**
Storage temperature:..... **maximum 50°C**
1,5V Alkaline battery (2 pcs):..... **LR03 (AAA)**
Low battery indicator:.....
Battery duration:..... **1,5 year, aprox**
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:..... **IP65**
Degree pollution:..... **2**
Software:..... **Class A**
Action type according EN 60730:..... **1.B**
Homologated:..... **CE**
Net weight (with batteries & probe):..... **120 g**
Gross weight:..... **32 g**

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.

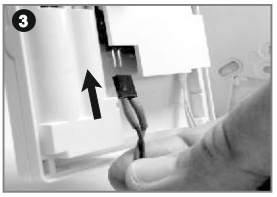
Very Important: Don´t use rechargeables batteries

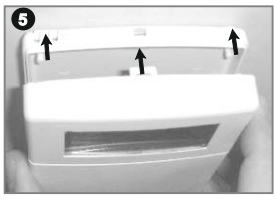




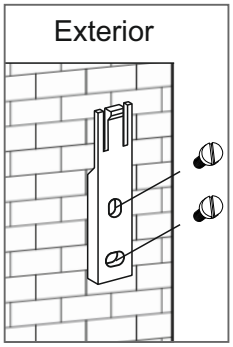
Location for control

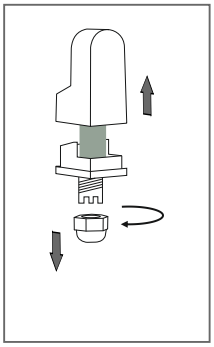
Installation

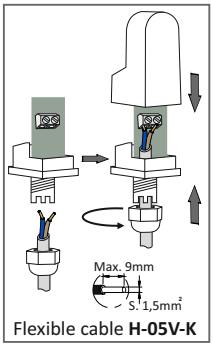


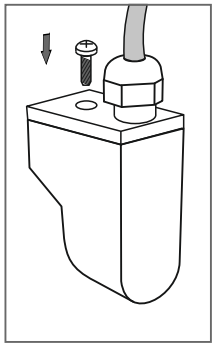


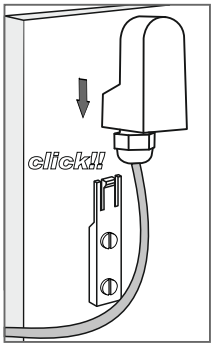
Installation of exterior probe 7.336 (optional)





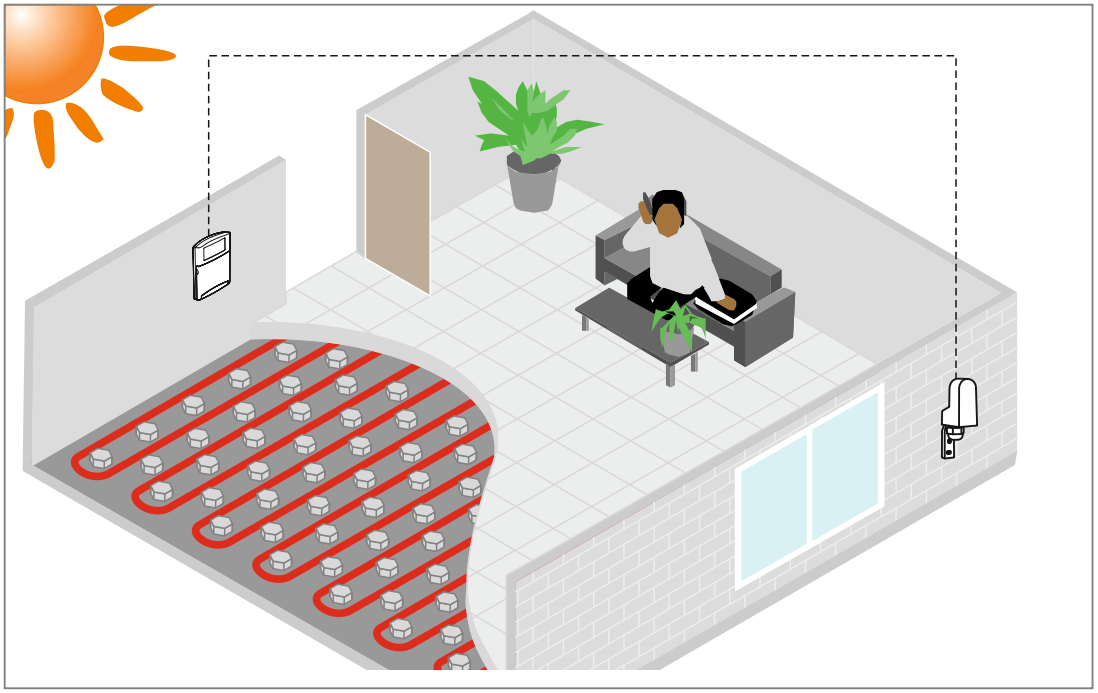




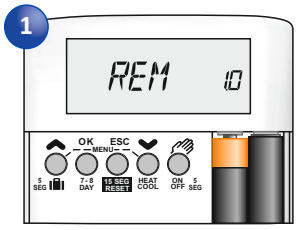


Exemples of installation

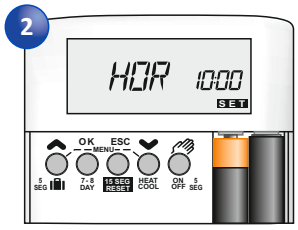
Installation for a heating floor



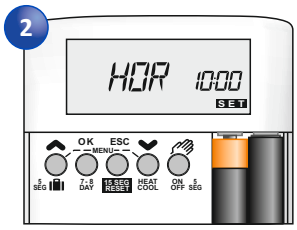
First connection



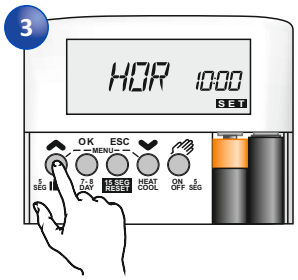
Version

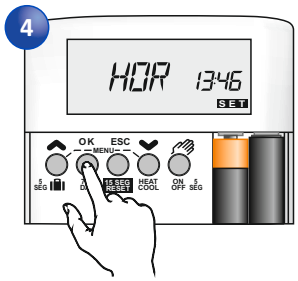


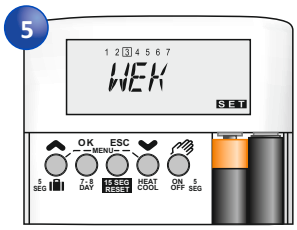
2 s



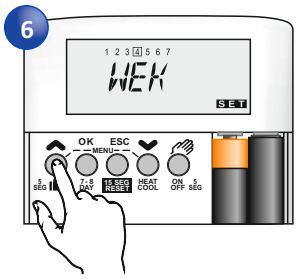
Hour

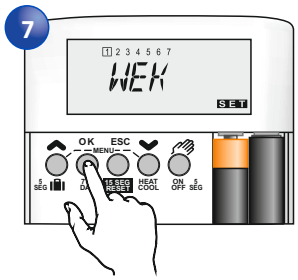


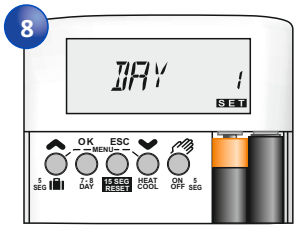




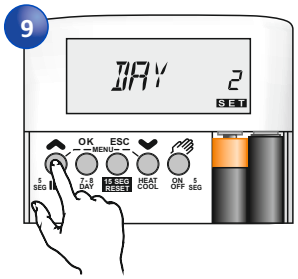
Week day

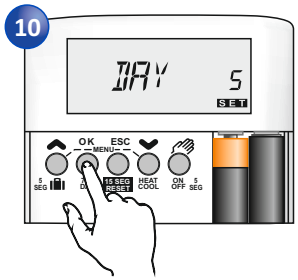


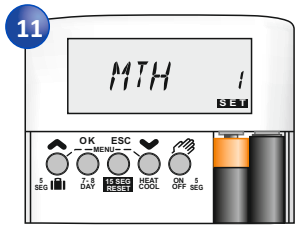




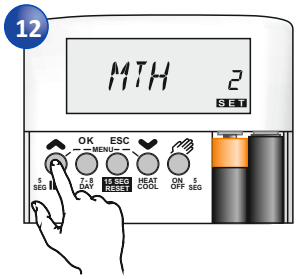
Month day

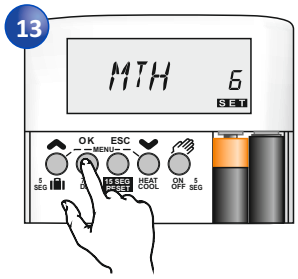


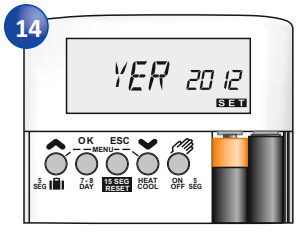




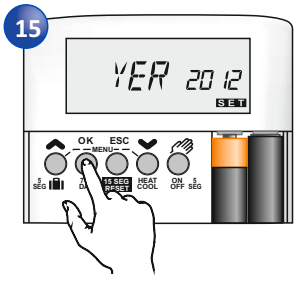
Month

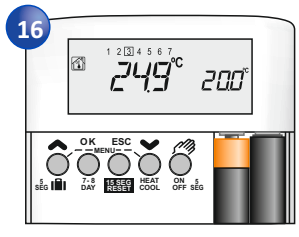




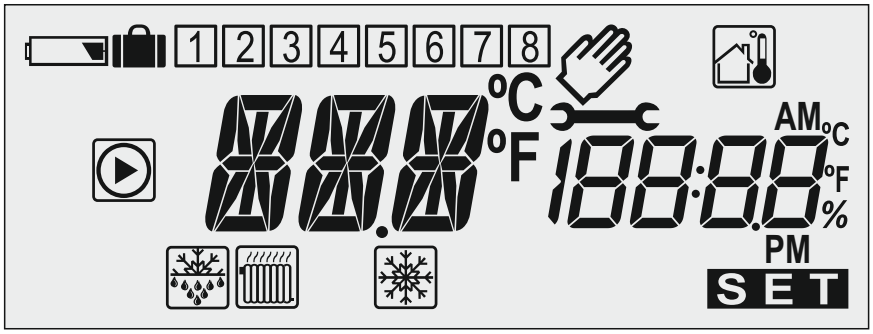


Year



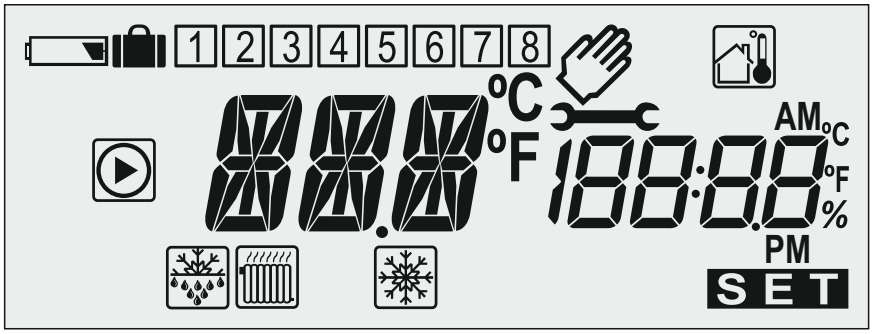


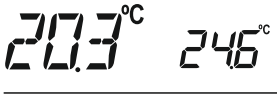
Display information

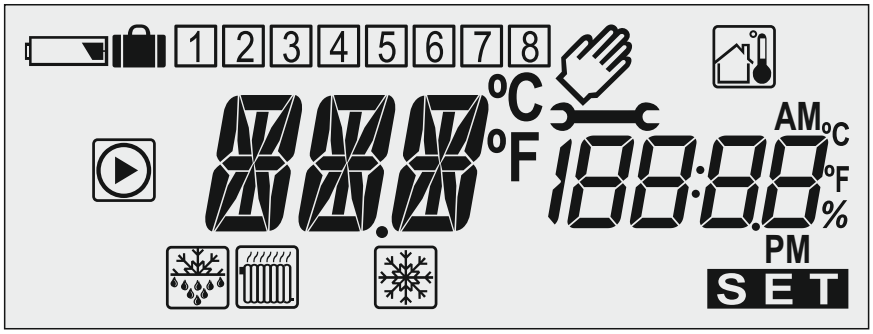


	Manual mode	Shown on the display when the control is in manual mode. Only has to adjust the temperature by the arrows. Pressing the key  moves in and out of manual mode.
	Automatic mode	Programming changes (temperature / time / day), up to 28 changes, the control automatically regulates heating. You 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	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

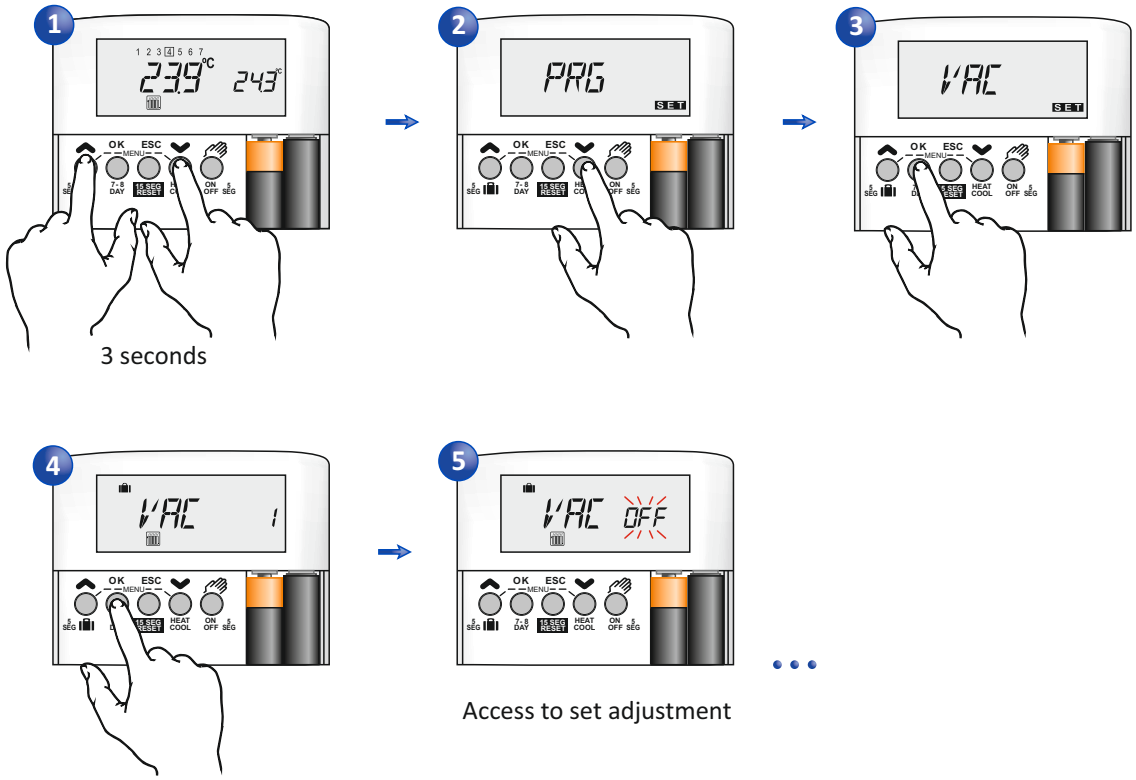


	Batteries	Shown on the display when the batteries status is low and should be changed.
	Days	The square will mark the current day and also the day on which the change is executable.
1 2 3 4 5 6 7 8	Festive day	Display shown the square mark in 8 number, it indicates that the next day is Sunday for the 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 ESC 15 SEG RESET 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 / outside temperature. Pressing ^ shows the next reading.



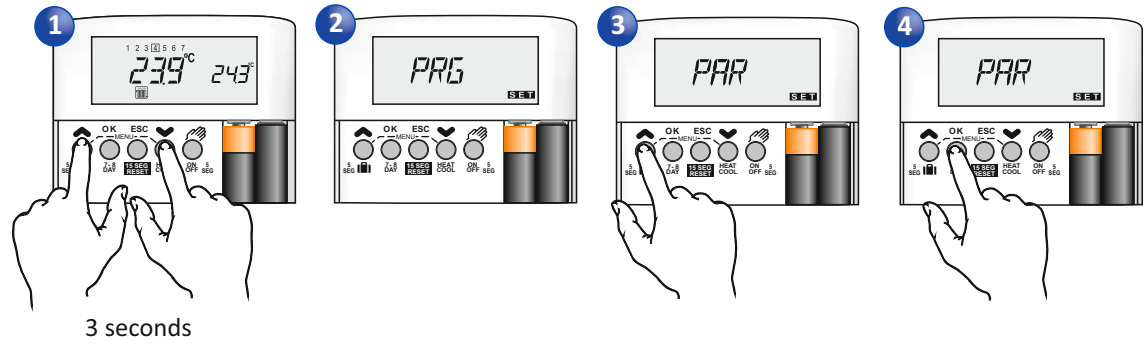
	Temperature at probe 	Indicates that the temperature displayed in smaller digits belongs to the outside probe.
	Error of external probe 	When the probe reading is not correct (it is not connected or is faulty) in place of reading shows the error message.
	Parameters 	Within the menu you can set the parameters 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.

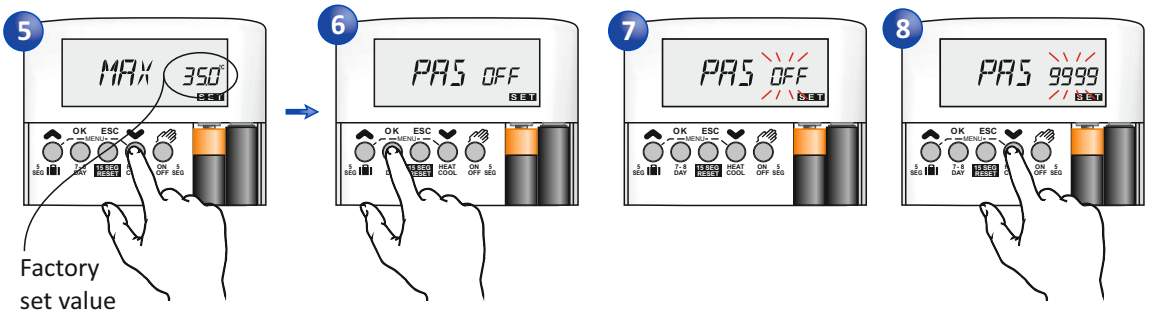
Menu

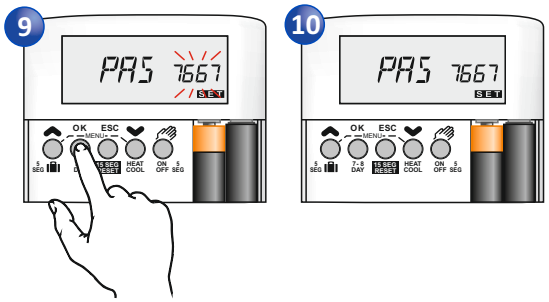


PRG SET	Programation	Allows you to configure up to 28 changes to regulate control in automatic mode.
VAC SET	Holidays function	Set the temperature at which it is to be home while you are away and days of absence, after those days, the control returns to automatic mode.
CNT SET	Hours counter	You will 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)
CLK SET	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.
PAR SET	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







• • • Press arrow to advance to the next parameter, follow the same proceedure

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

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

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

Regulation mode
Scale: HEAT / COOL

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

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

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

Pump protection
Scale: ON ... OFF

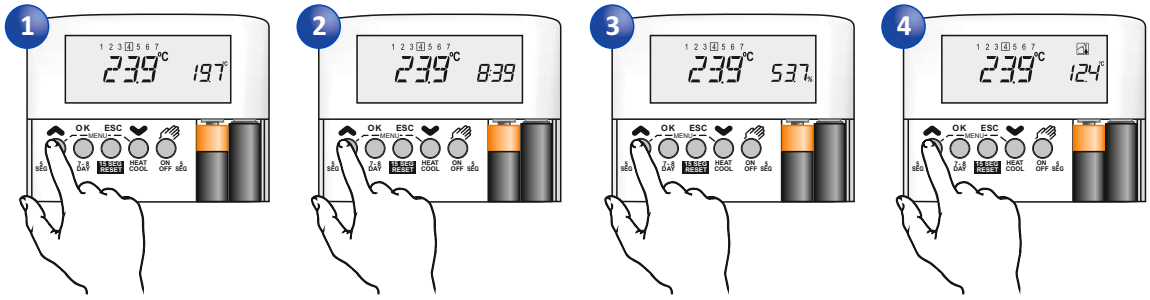
Temperature units
Scale: Celsius °C / Fahrenheit °F

Predictive function
Scale: OFF / Prdi (ON)

if you set off, the control function as a thermostat ambient

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

Data shown on the display



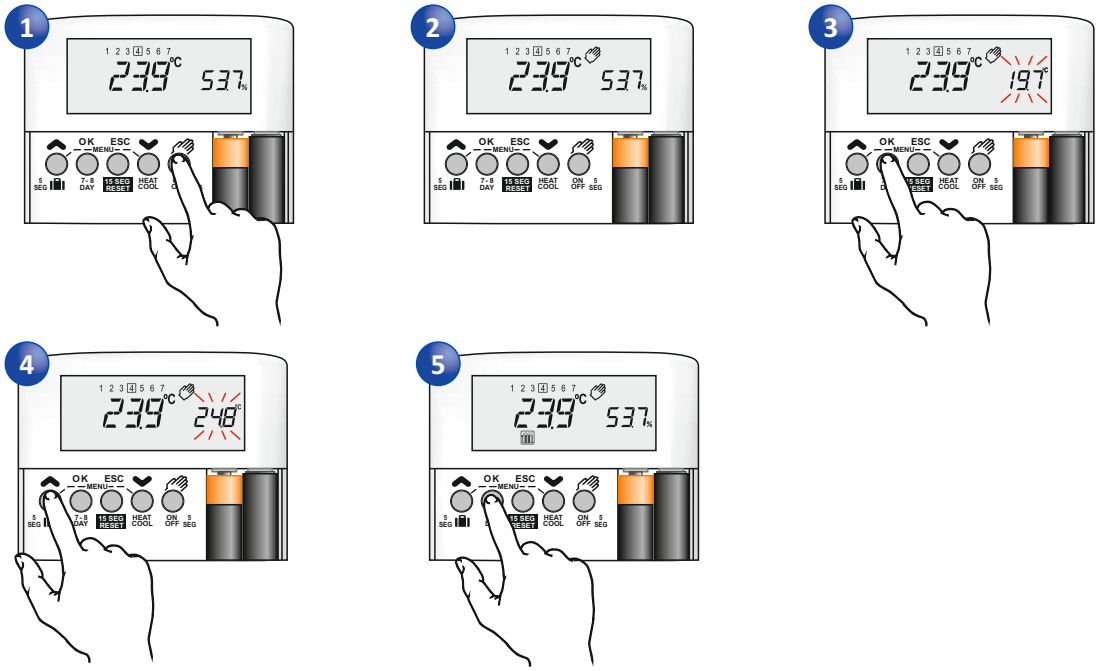
Setpoint temperature

Current time

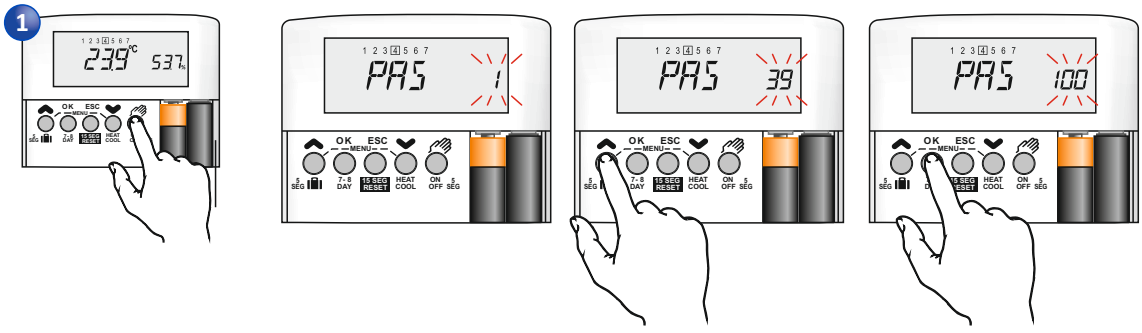
Relative humidity

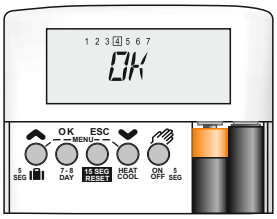
Temperature of the external probe

Regulation in manual mode



Operating with password





once introduced to control the correct password is stored in memory while manipulating the control & for two minutes more

Programming for automatic mode

Programming example for automatic mode

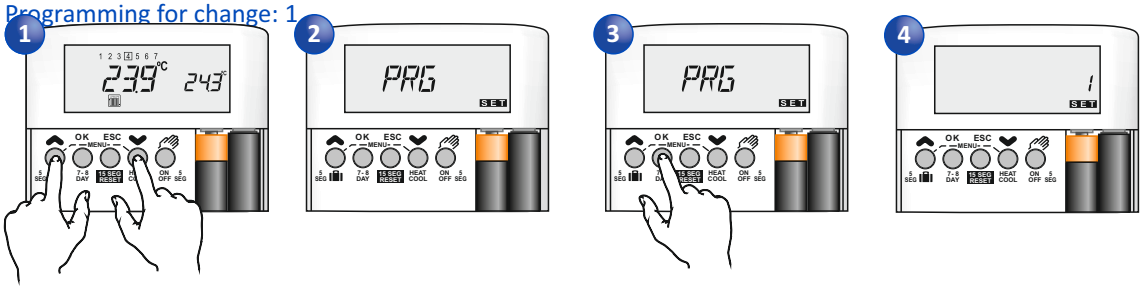
Nr. change	Hour	Temperature	Independent days	Every days	Monday to Friday	Saturday & Sunday
1	6:00	22°C			X	
2	7:35	18°C			X	
3	8:10	22°C				X
4	10:00	18°C				X
5	13:00	22°C		X		
6	16:00	18°C		X		
7	18:00	22°C		X		
8	23:30	18°C		X		

Monday to Friday..... [1][2][3][4][5] 6 7
Monday to Saturday.. [1][2][3][4][5][6] 7
Saturday & Sunday... 1 2 3 4 5 [6][7]
Every days..... [1][2][3][4][5][6][7]

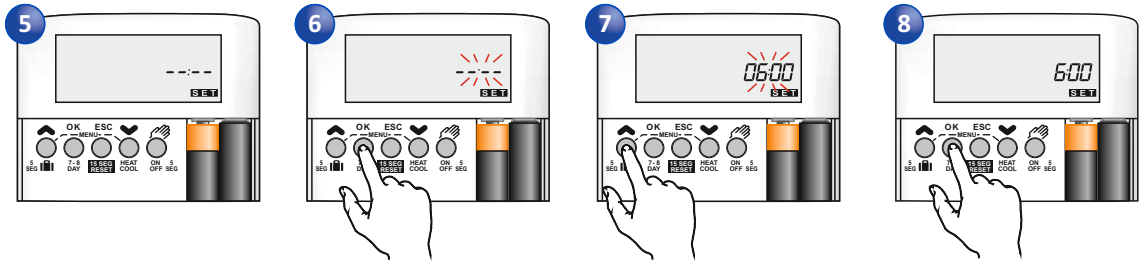
Monday..... [1] 2 3 4 5 6 7
Tuesday..... 1 [2] 3 4 5 6 7
Wednesday..... 1 2 [3] 4 5 6 7
Thursday..... 1 2 3 [4] 5 6 7

Friday..... 1 2 3 4 [5] 6 7
Saturday..... 1 2 3 4 5 [6] 7
Sunday..... 1 2 3 4 5 6 [7]

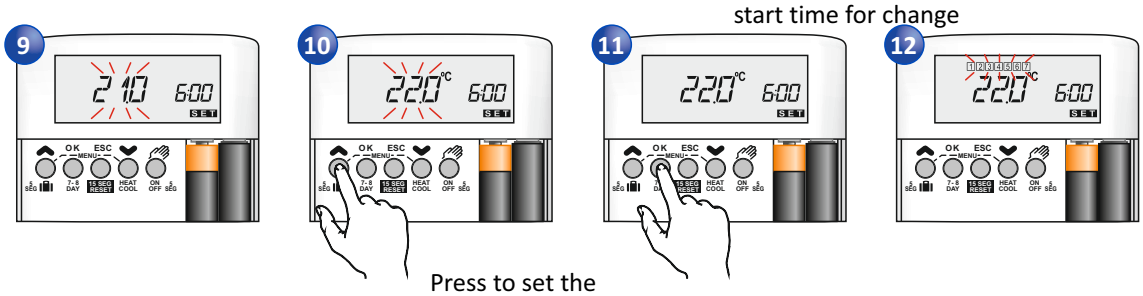
Programming for change: 1



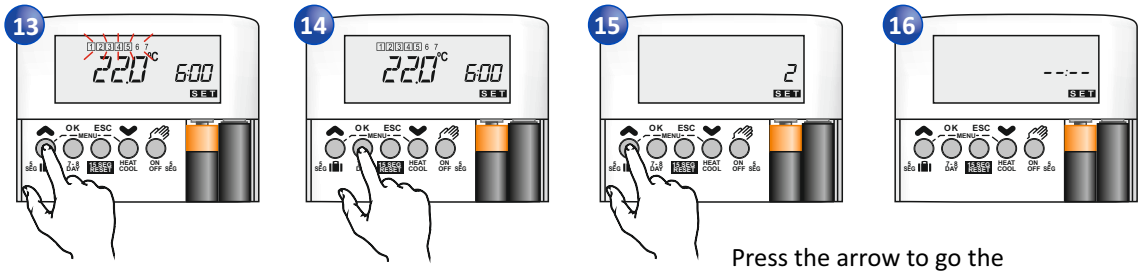
3 seconds



Press to adjust the start time for change



Press to set the desired temperature

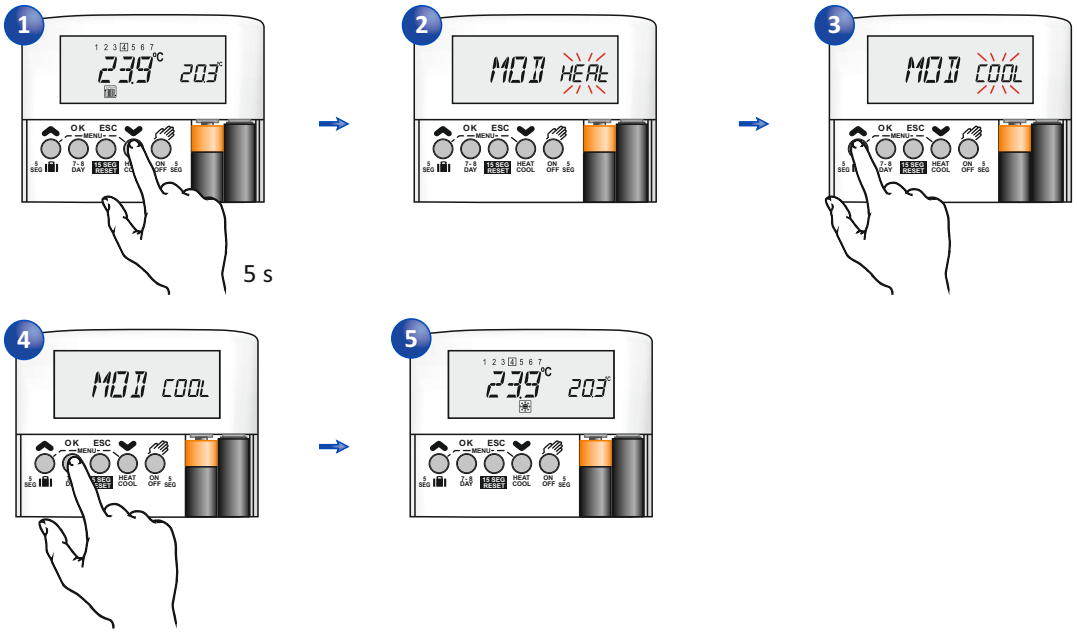


Press to set the days for these change

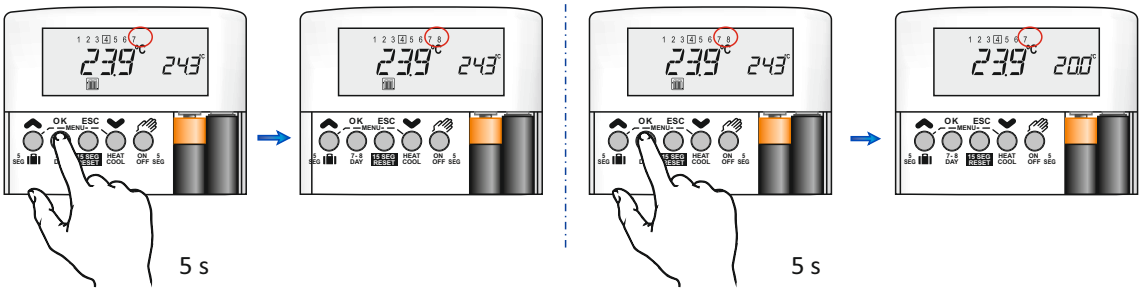
Change 1 is now complete

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

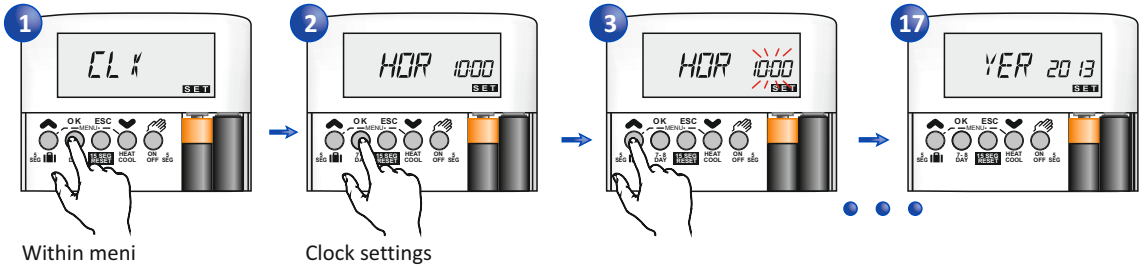
Regulation mode: Heating / Cooling

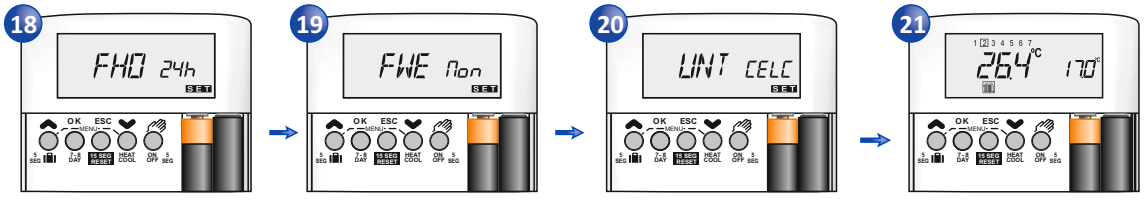


Festive day function

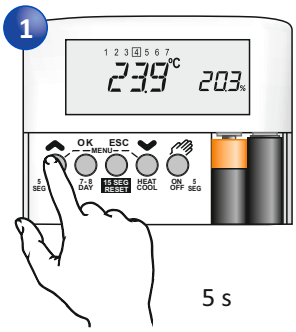


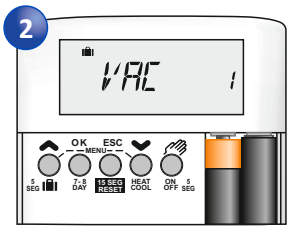
Configuration for Clock & Temperature units

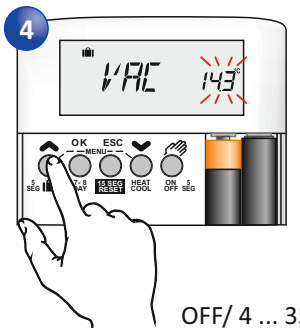


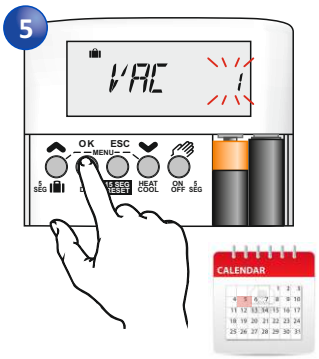


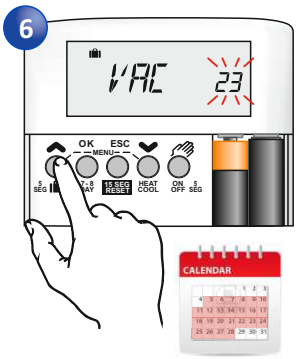
Holidays function



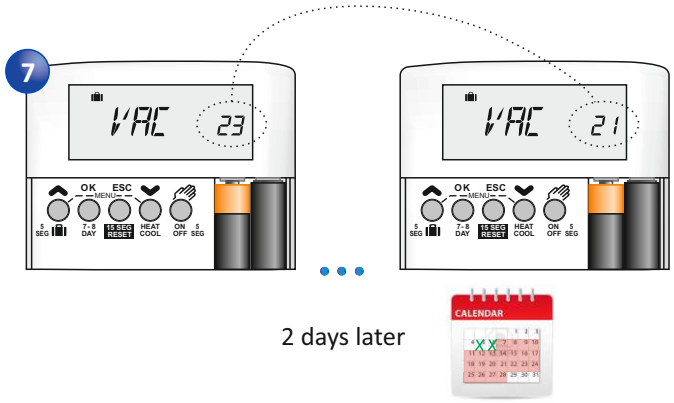


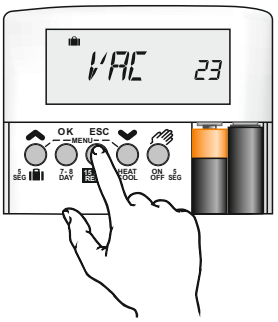




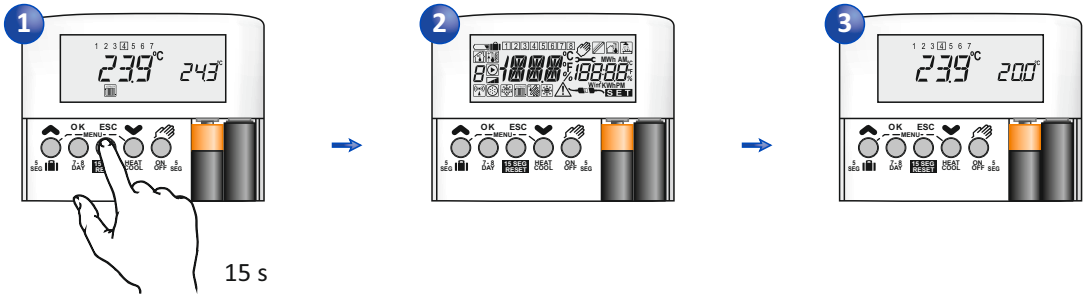


Disables the function





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 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.sonderregulacion.com**

SONDER
Energy Control