

# BLISS<sub>Wi-Fi</sub>

CHRONOTHERMOSTAT 1C.91



ENGLISH





Finder YOU



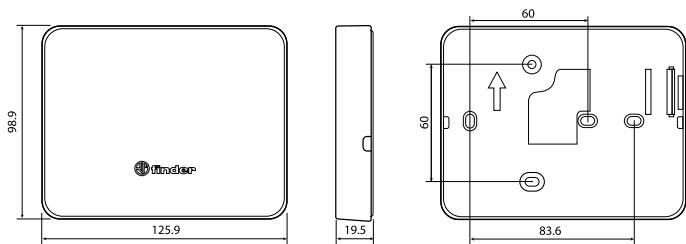
**finder**<sup>®</sup>  
SWITCH TO THE FUTURE

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## TECHNICAL FEATURES

Power supply: **4 alkaline batteries 1.5V type AA**  
Temperature adjustment WINTER: **(+5...+37)°C**  
Temperature adjustment SUMMER: **(+5...+37)°C**  
Resolution: **0.1°C**  
Tolerance: **+/- 0.5°C at 20°C**  
Differential: **Self-adjusting by product and adjustable by APP**  
Operation mode: **Summer - Winter - Auto - Manual - OFF**  
Degree of protection: **IP20**  
PIN lock: **yes, by Finder Bliss App**  
Output: **5 A 250 V AC volt-free changeover contact**  
Mounting: **Wall**

## DIMENSIONS

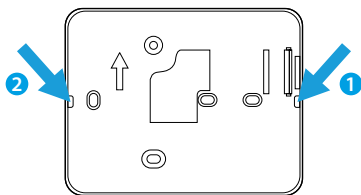


## INSTALLATION NOTES

### SAFETY REQUIREMENTS

The installation and assembly of electrical equipment must be performed by expert personnel. Before connecting the chronothermostat make sure that the load (pumps, valves, boiler, etc ...) are not powered-up and are within the rating of the contact.

To remove the base use the appropriate slots **1** and **2**



## POSITIONING

Install the chronothermostat away from heat sources (radiators, direct sunlight, kitchens) and doors/windows. Mount about 1.5 meters above floor level.

## FIXING

Use screws  $\varnothing$  3.5 mm MAX - maximum head thickness 3 mm.

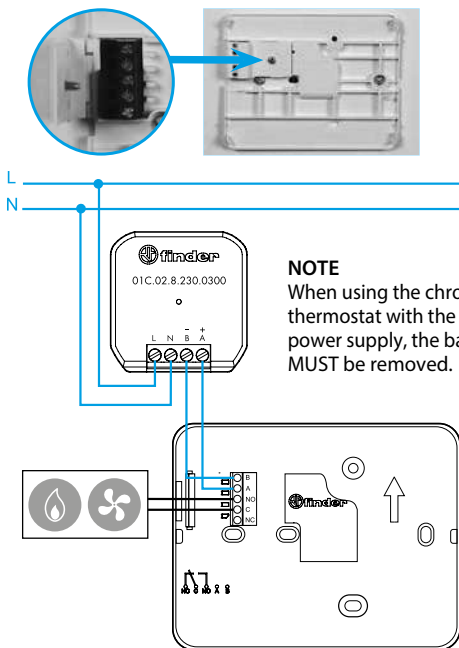
When fastening, do not over tighten the screws to avoid distorting the base.

## CLEANING

Use only a damp cloth for cleaning.

## INSTALLATION

Fix the base on the wall and make the electrical connection as shown on the diagram



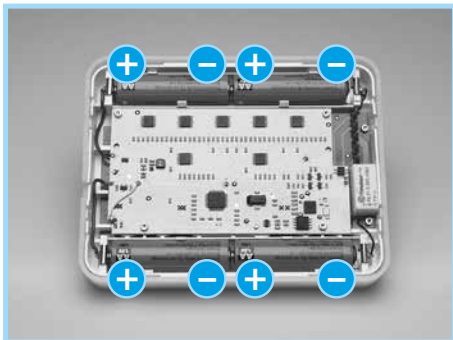
## NOTE

Even if it is supplied by a power supply, the Bliss Wi-Fi display will NOT stay always on.

Insert the batteries into the battery compartment, respecting the indicated polarities.

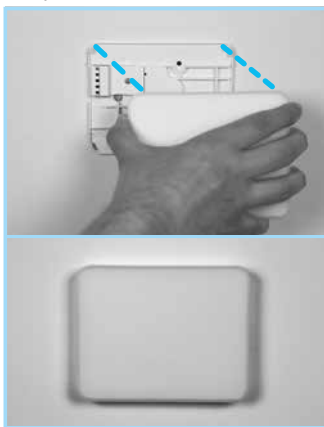
**CAUTION** Incorrect battery polarity can cause the batteries to leak acid and damage the chronothermostat, invalidating the guarantee.

\*



Fix the chronothermostat on its base as shown in the figure below

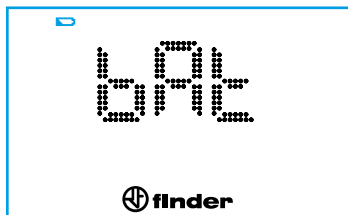
**NOTE** To disassemble it, proceed in reverse



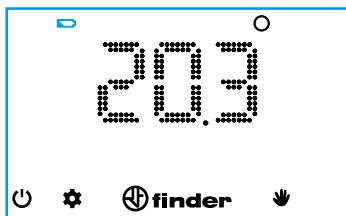
\* **NOTE**

If only one of the two pairs is reversed, the device works the same, only the battery life is halved.

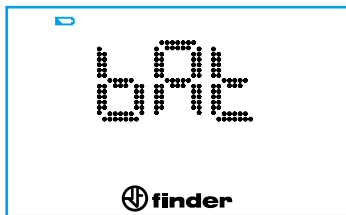
The Chronothermostat is provided with 2 battery thresholds: the first threshold indicates that the batteries are low and must be replaced. In this condition, and with the display in the off state, the word BAT appears, flashing every 60 seconds.



After touching the Finder button and turning on the display, the battery icon will continue to flash.



At the second threshold the Chronothermostat turns off, this condition the battery icon and BAT every 60 seconds followed by the word OFF. In this mode it is not possible to act on the display and the relay is disabled.

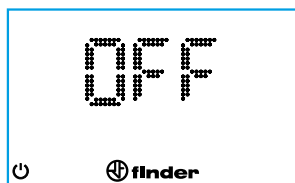


If the chronothermostat is not connected to the Wi-Fi, after replacing the batteries reset the date and time.

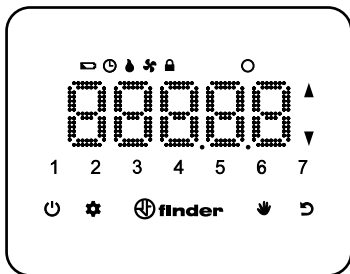
## POWER ON THE DISPLAY















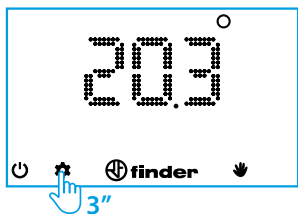
## CHRONOTHERMOSTAT OFF



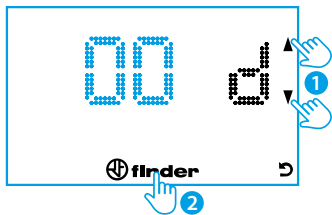




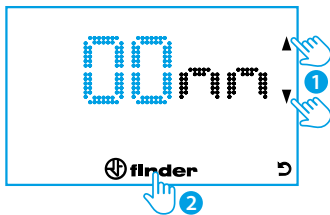
	Switch on display/confirm Press for 2 seconds to save and exit
	Chronothermostat switching on/off Press for 4 seconds to access the settings
	Weekly programming Date/time programming (press 3 seconds)
	Manual function
	Back to previous step
	Cursors for changing values
	Output ON (WINTER setting)
	Output ON (SUMMER setting)
	Hourly programming
	Display locked
	Low battery
	Degree centigrade



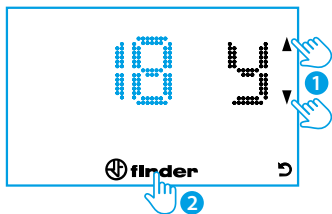
## DAY



## MONTH



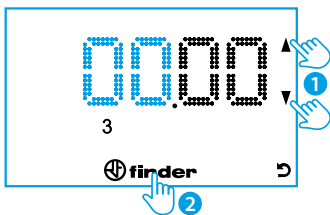
## YEAR



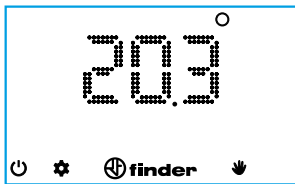
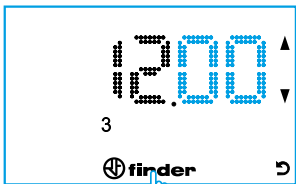
**NOTE** After setting the year, the chronothermostat automatically recognizes the day of the week and automatically a number from 1 to 7 will appear on the display to indicate the day of the week



## HOUR



## MINUTES

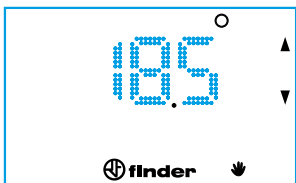
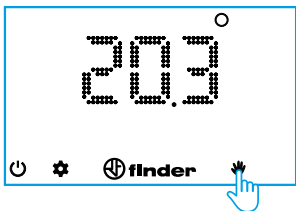


### NOTE

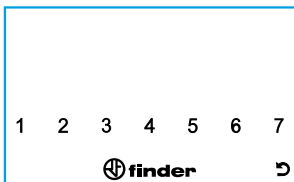
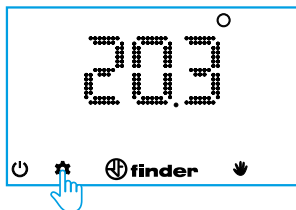
At each programming step it is possible to go back one step using the back button ↶.

Holding down the Finder button for 2 seconds saves and exits (returning to the main menu).

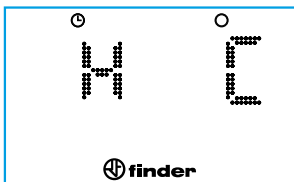
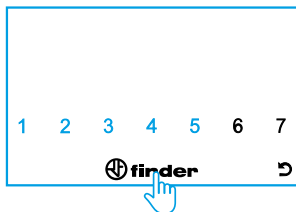
## MANUAL PROGRAMMING



To exit the manual setting and return to the main screen, press the "hand" button.



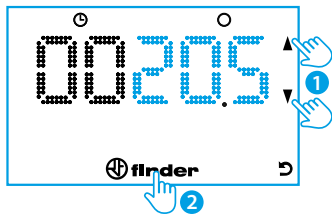
Press the numbers corresponding to the days of the week to be programmed (1 = Monday ... 7 = Sunday). At the end of the selection, press the Finder key.

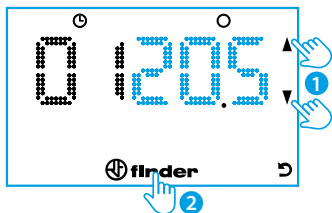


The screen indicates that the temperature will be programmed (right) at the time indicated on the left.

Set the desired temperature with the cursor at the indicated time (in this case between midnight and one in the morning).

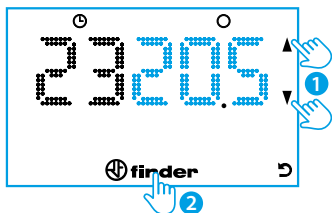
Press Finder to confirm the schedule and move to the next hour.





Set the desired temperature with the cursor at the indicated time (in this case between one and two in the morning). Press Finder to confirm the schedule and move to the next hour.

Proceed in the same way until reaching the 23:00 Hour time period.



#### NOTE

To go back to the previous step, use the back button or the Finder button to switch to the next time programming.

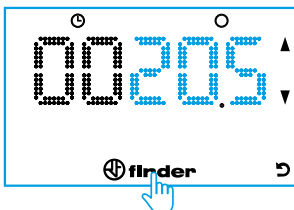
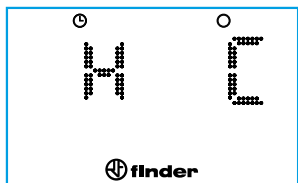
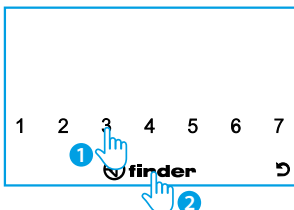
To exit programming and save the values set so far, press the Finder button for 2 seconds.

## COPY PROGRAM

To copy the program of one day to use for other day(s), simply press the day to be copied first and then the day (or days) on which to obtain the same programming.

Then press the Finder button for 2 seconds to confirm and return to the main menu.

**Example:** reviewing day 3 (Wednesday)



Repeatedly press the Finder button to step through and display the hours together with the appropriate set temperature.

To go back to the previous step use the back button.

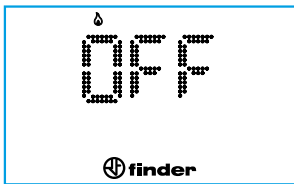
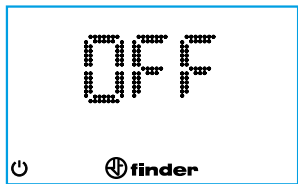
Press the Finder button for 2 seconds to save and exit the review.

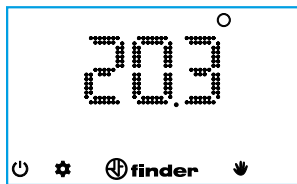
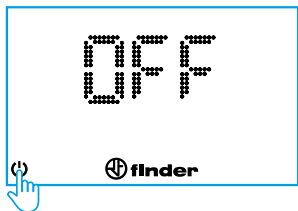
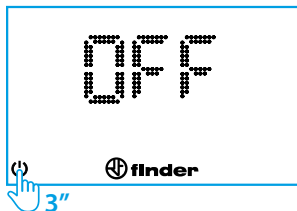
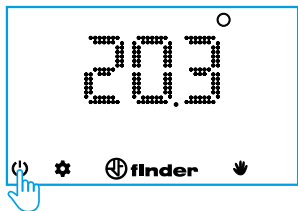
## OFF STATE & FROST PROTECTION FUNCTION

When the chronothermostat is off, the display will show the word OFF.

But in this condition the frost protection function remains active.

If the room temperature falls below the frost protection temperature, the flame icon will appear together with the word OFF.

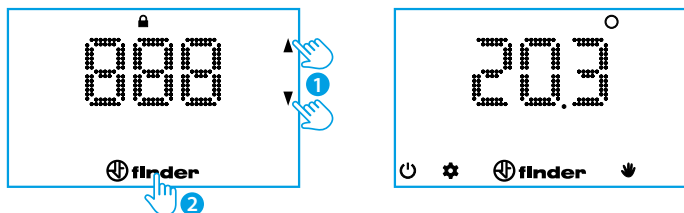




The chronothermostat can only be locked using the **Finder Bliss** application. When the lock mode is activated, the Chronothermostat will display a lock icon.



To unlock the chronothermostat you will need to enter the PIN as shown below



### Caution

By entering an incorrect PIN code, the Chronothermostat will display **Err** for an instant and then propose a re-try.

After entering the wrong PIN 3 times, the chronothermostat will remain locked for 20 seconds with the word **Err** displayed (the display will turn off after 5 seconds to reduce battery drain).

This procedure repeats for any further attempt to enter the wrong PIN.

### NOTE

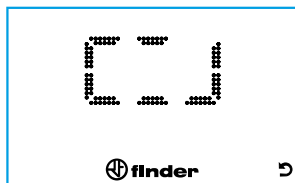
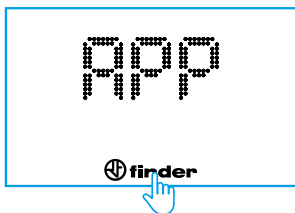
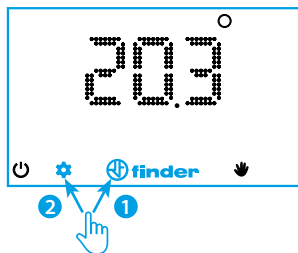
Removing the batteries will not cancel the lock.

If you forget your PIN, use **code 618** to unlock the product.

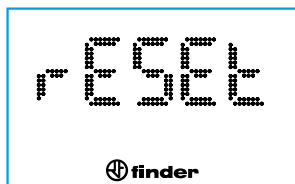


Download the **Finder Bliss** application to your smartphone.  
The pairing procedure will be described in the application.

Turn on Wi-Fi and search for a network

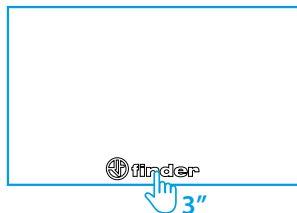


In the case where the APP credentials were not inserted by the expiry of the timeout, the Chronothermostat performs a RESET of the configuration and the internal Wi-Fi is turned off.

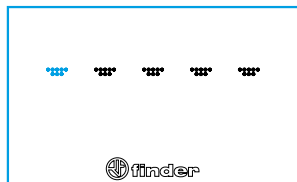


After connecting the timer-thermostat to the home network, the update will take place within 4 to 40 minutes, depending on the update time set on the application.

To immediately connect the chronothermostat to the App, with display off, press the Finder button for 3 seconds. Segments will appear to indicate waiting for parameters to be synchronized with the APP.



## Update in progress



## Updated



If the wait for synchronization persists for too long it means that the chronothermostat has difficulty updating with the cloud (via the APP). The problem may be due either to the poor network signal (seen by the Chronothermostat) or to a slow home connection, busy broadband or slow server response. Battery life depends greatly on connection times. After 20 seconds, if the connection has not occurred, an error message appears (see page 18). If there was a previous connection to the Cloud the chronothermostat will display the last setting received from the server.

## GENERAL CHARACTERISTICS

Type	Wi-Fi wall-mounted weekly programmable thermostat
Wi-Fi frequency	2.4 GHz
Encryption	WPA2 / PSK
Display	LED
Resolution	1 hour (1 minute via APP*)
Daylight Saving Time	Automatic Update
Battery life	About 1 year (Over 1 year depending on the mode set by APP)
Functions	Additional settings available on the APP

\* The time slot can not start and end at the same time

## DEFAULT PARAMETERS

Season set	Winter
Frost protection	Fixed at 5°C
Thermal differential	0.2°C

## TROUBLE SHOOTING

- Perform a force sync: long press the "Finder" logo while the display is off until the horizontally-moving dashes appear.  
NB: wait a few seconds after the display has turned off before pressing on the "Finder" logo.
- Check the result of the forcing: if the current temperature appears, the connection was successful, otherwise check the error code shown on the table below.  
Verify that the network is not 5 GHz only, 2.4 GHz networks or both frequencies are accepted.
- Wi-Fi signal repeaters may in some cases reduce the BLISS operation.  
If you have problems, try moving it near the router.
- The router must support WPA2 encryption.  
BLISS does not work on corporate networks (enterprise networks).
- Respect uppercase, lowercase letters and special characters in the SSID and password.  
Remove any empty spaces inserted inadvertently at the end of the data entered.

## INDICATION OF ERRORS (ACCORDING TO VERSION)

### ER0 GENERIC ERROR

### ER1 INTERNET FAILURE

ADSL off / WiFi too distant / WiFi traffic congested /  
Network name SSID or PW incorrect

### ER2 DATA CONNECTION MADE BUT BLISS DID NOT RECEIVE ANSWER

Unstable or congested data traffic /  
Communication problems with reception from the cloud

### ER3 DATA RECEIVED CORRUPTED

Connection failure during a communication with the cloud /  
Very disturbed line

## ANTENNA SIGNAL

On the APP it is advisable to check for a BLISS signal of at least 3 notches to ensure a good operation.