

# CH121E - CH123E

## Flush mounting thermostat, battery operated and 230V

Electronic thermostat to control heating and air-conditioning installations.

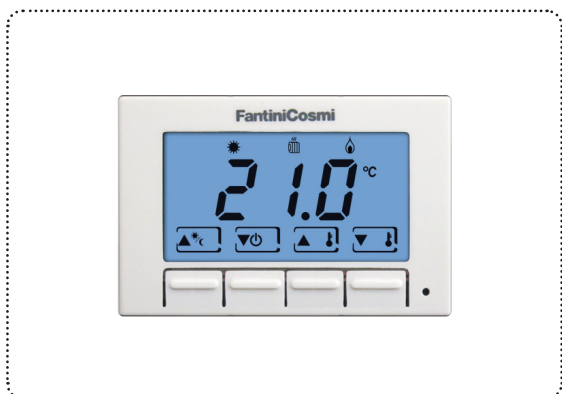
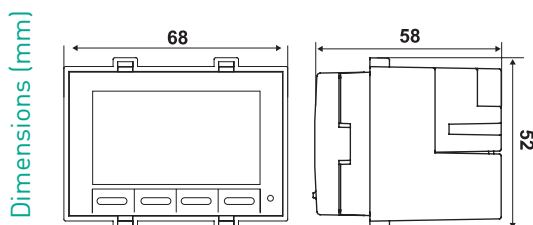


Plate not included in the package.



	Temperature regulation range	Differential*	Temperature displayed range	Adjustable antifreeze temperature range	Power supply	Contacts rating
CH121E	2 ÷ 40 °C	0,25 K	-40 ÷ 50 °C	0 ÷ 7 °C	2 batteries AAA 1,5V	5(3)A 250Vca
CH123E	2 ÷ 40 °C	0,25 K	-40 ÷ 50 °C	0 ÷ 7 °C	230V 50Hz	5(3)A 250Vca

\* Differential values are referred to a thermal gradient of 4K/h.



Plate not included in the package.

### "MULTIPLATE" FRAME

Compatible with most common plates on the market, thanks to the multiplate frame.

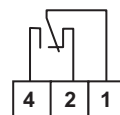
## ELECTRICAL FEATURES

Software class A.

Type of action: 1B (micro disconnection)

Voltage-free switching contact.

As the temperature increases, the thermostat opens contact 1-2 and closes contact 1-4.



## HOMOLOGATION AND STANDARDS

Complies with EN 60730-1 standards.

ErP: ErP Class IV; 2% (Reg. EU 811/2013 -813/2013)



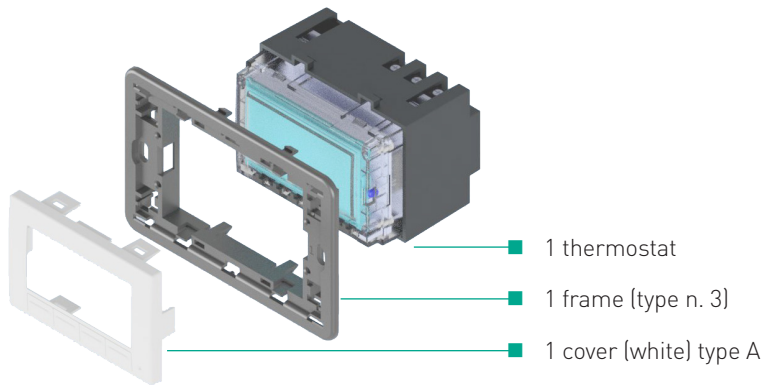
# INSTALLATION

Flush-mounting in 3-module 503 embedded boxes by means of 2 screws (supplied).

Two-wire connection with the user.

Install the programmable thermostat at 1,5 meters above the floor, away from kitchens, heat sources, windows and doors.

## INCLUDED IN THE PACKAGE



MODELS	COVER TYPE	FRAME TYPE	TABS TO DETACH	COVER COLOR	ADAPTERS KIT **
Bticino Matix GO	A	3	YES position "A+C"	white	--
				silver	Code 1576891
Bticino Living Now	A	4**	NO	white	Code 1576895
				black	Code 1576896
				sand	Code 1576897
Vimar Eikon Evo	A	3	YES position "A+D"	white	--
Vimar Arké	A	3	NO	white	--
Vimar Linea	C**	3	YES position "A+C+D"	white	Code 1576892
				black	Code 1576893
				sand	Code 1576894

\*\* For some configurations, it is necessary to purchase the adapter kit indicated in the table.

## GENERAL FEATURES

LCD display: graphic, 7-segment symbols and digits.

LED, back lighting (blue) display.

Selection of backlight duration.

Possibility to visualize Celsius or Fahrenheit temperature values.

Minimum adjustment differential 0,1°C.

Maximum room temperature 45 °C.

IP20 protection degree.

# OPERATION

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With CH121E is possible to extract thermostat's body from the frame after mounting and connections, this for doing more easily the adjusting or programming with the device in hand.




With CH123E isn't possible to extract thermostat's body.

The thermostat has 4 front keys to access directly the operating modes that can be changed by pressing the corresponding key.

## VISUALIZATION:

- Ambient temperature
- 4 icons for programming

## OPERATION MODE:

-  COMFORT operates system's comfort temperature that can be set from 2°C to 40°C.
-  ECONOMY operates system's economy temperature that can be set from 2°C to 40°C.
-  OFF mode can be used as "antifreeze" mode (temperature can be set from 0 to 7°C) or to shutdown completely the system.

SUMMER-WINTER control