



FLUSH MOUNTING ROOM THERMOSTAT



cover plate not included

CH123

CONTENTS OF PACKAGE

- 1 thermostat
- 3 frames
- 3 coloured covers, type A
- 3 coloured covers, type B
- 3 pairs of adapters
- 1 pair of special adapters for Bticino Matix
- 2 screws
- 1 user manual

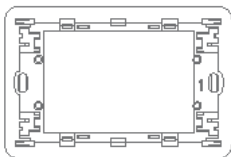
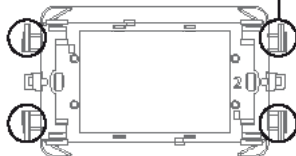
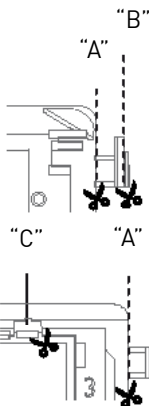
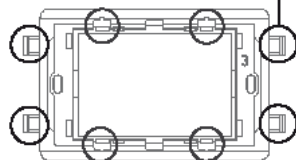


1 INSTALLATION

The CH123 chronothermostat must be installed in a 3-module recessed box, in the middle of the apartment, preferably 1.5 m off the ground. The required components, all included in the package, are used based on the plates available, according to the following table.

COMPATIBLE PLATES	COVER* TYPE	FRAME TYPE	SIDE ADAPT- ERS *	TABS TO DETACH
Bticino Living International and Transizione Piana	B	1	NO	NO
Bticino Living Light Air	B	3	NO	YES position "A+C"
Bticino Light, Light tech	B	1	NO	NO
Bticino Axolute	A	1	NO	NO
Bticino Matix	B	2	SI (dedicated)	YES position "A"
Vimar Idea and Rondò	B	2	YES	YES position "B"
Vimar Plana and Eikon	B	1	NO	NO
Vimar Eikon Evo	A	3	NO	YES position "A"
Vimar Arké	A	3	NO	NO
Gewiss Chorus One, Lux, Art	B	2	NO	YES position "A"
Ave sistema 45: Zama, Banquise, Yes, Ral	B	2	YES	NO
Ave sistema 44: Zama, Personal, Technopolymer	A	1	NO	NO
Legrand Cross, Vela square, Vela round	B	2	NO	YES position "A"

* N.B. COVER A available colours: white, silver and black;
COVER B available colours: white, silver and black, for Bticino Matix white only.

frame
1cut 4 tabs
according to type of cover plateframe
2cut 4 or 8 tabs
according to type of cover plateframe
3

PERFORM THE FOLLOWING OPERATIONS:

- act on the master switch on the electric panel to cut power to the electrical system;
- when required, detach the tabs according to the type of plate;
- when required, mount the side adapters (A or B) and proceed as follows:

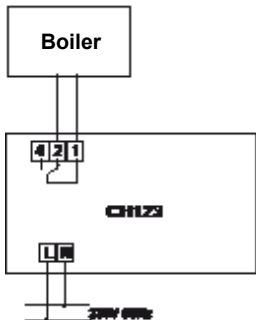
Cover "A"

- Fix the thermostat to the appropriate frame;
- Mount the cover on the thermostat body.

Cover "B"

- Mount the cover on the thermostat body
- Fix the thermostat to the appropriate frame;
- connect the two wires of the boiler to terminals 1-2 of CH123;
- connect the two power cables L-N;
- screw the frame onto the box using the provided screws;
- mount the plate;
- switch the electric system back on.

2 ELECTRICAL CONNECTIONS



ATTENTION: installation must be carried out by qualified personnel

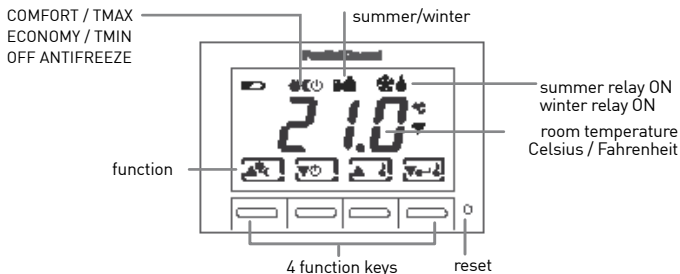
ATTENTION: before performing the electrical connections, make sure you have disconnected power to the electric system by means of the master switch on the electric panel

During black-outs, the programmed parameters will not be lost as the settings are stored in a non-volatile memory.

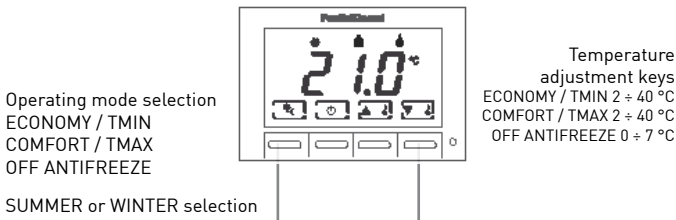
3 QUICK GUIDE FOR PROGRAMMING

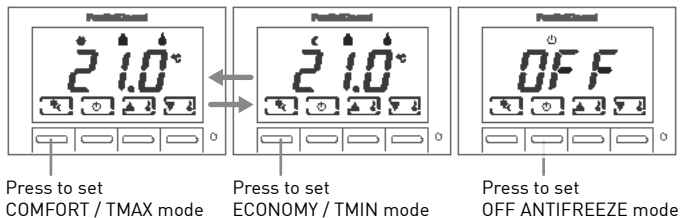
DESCRIPTION OF KEYS AND DISPLAY

The thermostat is equipped with 4 keys, the function of which varies depending on the situation. It is described by the symbol which appears on the display next to the key.

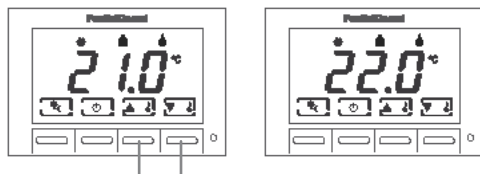


4 OPERATION





CUSTOMISE THE TEMPERATURE



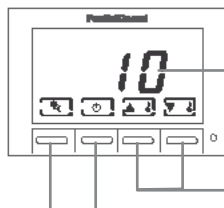
When you have set the operating mode ☀ ☾ ⏻ press the two keys (increase ▲ or decrease ▼) to set the temperature:

ECONOMY / TMIN 2 ÷ 40 °C
 COMFORT / TMAX 2 ÷ 40 °C
 OFF ANTIFREEZE 0 ÷ 7 °C

ANTIFREEZE temperature cannot be set in summer mode.

CH123

CHOICE OF BACK LIGHTING DURATION



10 sec.

You may choose the time during which back lighting remains on:

OFF → always off

1sec 10sec

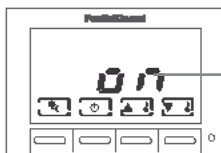
ON → always on

Press together, and keep pressed, to change back lighting duration.

Increase\decrease back lighting duration. Press while keeping summer/winter and ON/OFF keys pressed.

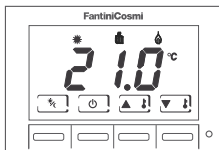
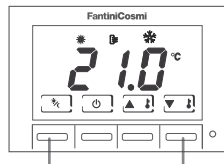


always off



always on

SUMMER/WINTER SELECTION

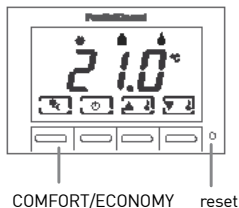


Press both keys simultaneously to select SUMMER (cooling) or WINTER (heating) mode.

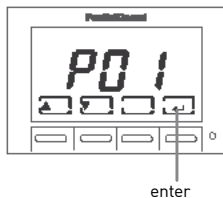
5 THERMOSTAT CONFIGURATION

ATTENTION: only qualified personnel may configure the device.

Configuring the thermostat allows you to customise the device's operating parameters. Perform the following steps to access the configuration program:



- 1 Using a sharp object, press the reset button while holding down the "COMFORT/ECONOMY" button at the same time.
- 2 When the display reads P01, release the "COMFORT/ECONOMY" button.



The display represents the configuration parameters by an index: P01, P02....

Press ▲ or ▼ to scroll the parameter indexes.

Press ↵ to edit a parameter. Use ▲ and ▼ to change the value of the parameter. Press ↵ again to go back to the parameter index.

To exit parameter configuration, press ▲ or ▼ until the display reads "END". Press ↵.

CH123

Index	Parameter	Default	Values
P01	display mode	1	1 = view room temp 2 = view set point
P02	correction of displayed temperature value	0.0°C	+/- 4°C (step 0.1°C)
P03	winter lower limit set point temperature	2.0°C	2.0°C.....40.0°C (step 1.0°C)
P04	winter upper limit set point temperature	40.0°C	2.0°C.....40.0°C (step 1.0°C)
P05	summer lower limit set point temperature	2.0°C	2.0°C.....40.0°C (step 1.0°C)
P06	summer upper limit set point temperature	40.0°C	2.0°C.....40.0°C (step 1.0°C)
P07	differential adjustment	0.3°C	±0.3°C.....±2.0°C * (step 0.1°C)
P08	temperature scale	CEL	CEL = Celsius FAH = Fahrenheit
END	exit parameter configuration and store values		

* ± 0.3°C value suited for plants with slow thermal inertia,
± 2°C value suited for very reactivate plants.

6 TECHNICAL FEATURES

Power supply	230V 50Hz
Contact range	5(3)A 250V~ voltage-free switching
Maximum room temperature	T45 °C
Temperature adjustment scale	2 ÷ 40 °C, increase 0.1°C
Measurement scale/room T display	-40 ÷ 50 °C
Type of action	micro disconnection1B
Degree of protection	IP20
Pollution degree	2
Pulse voltage	4000V
Electric insulation	□
Software	Class A
Thermal gradient of reference	4K/h
Assembly	recessed in 3-module box type 503, with 2 screws
Dimensions	68 x 52.2 x 58 mm
Product not made in Italy	
Compliance with standards	EN 60730-1 and second parts
ErP classification	ErP Class IV; 2% (Reg. EU 811/2013 - 813/2013)



WASTE DISPOSAL

The symbol of the crossed-out wheeled bin indicates that the products must be collected and disposed of separately from household waste. The batteries and integrated accumulators may be disposed of together with the product. They will be separated at the recycling facilities. A black bar indicates that the product was placed on the market after August 13th, 2005.

Participating in the separate collection of products and batteries contributes to the correct disposal of these materials and therefore avoids possible negative consequences for the environment and human health. For more detailed information on the collection and recycling programmes available in your country, contact the local authorities or the sales point where you purchased the product.



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