



FLUSH MOUNTING ROOM THERMOSTAT

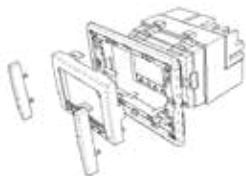


cover plate not included

CH121

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

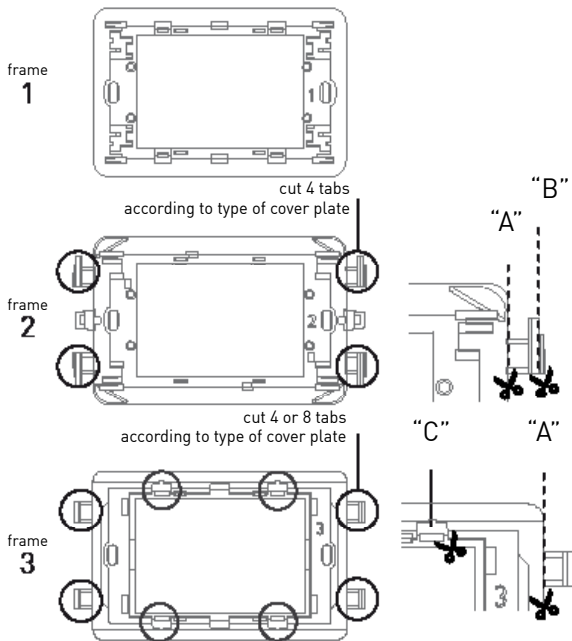


1 INSTALLATION

The CH121 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"

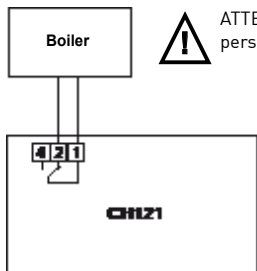
* N.B. COVER A available colours: white, silver and black;
COVER B available colours: white, silver and black, for Bticino Matix white only.



PERFORM THE FOLLOWING OPERATIONS:

1. act on the master switch on the electric panel to cut power to the electrical system;
2. when required, detach the tabs according to the type of plate;
3. when required, mount the side adapters;
4. fasten the chronothermostat to the suitable frame;
5. mount the cover on the body of the chronothermostat;
6. connect the two wires of the boiler to terminals 1-2 of CH121;
7. screw the frame onto the box using the provided screws;
8. mount the plate;
9. switch the electric system back on.

2 ELECTRICAL CONNECTIONS



ATTENTION: installation must be carried out by qualified personnel


PLEASE NOTE: when CH121 is disconnected, the boiler contact remains in its current position.

CH121

3 INSERTION AND REPLACEMENT OF BATTERIES

Insert two AAA 1.5V alkaline long lasting batteries, of a good brand, paying attention to the marked polarities.

N.B. the life of the batteries is greatly affected by the type of use and the settings made by the user, especially the set back lighting switch-on time.

When the batteries are low, the symbol of the discharged battery flashes on the display: . CH121 keeps working regularly, but the display does not light up. If the batteries are completely discharged, the chronothermostat quits working, switching off the system and disabling the keys. "OFF" together with the symbol of the discharged batteries appear on the display until they are replaced.

To replace the batteries, remove CH121 from its housing, moderately pressing inwards and at the same time on both sides of the cover.

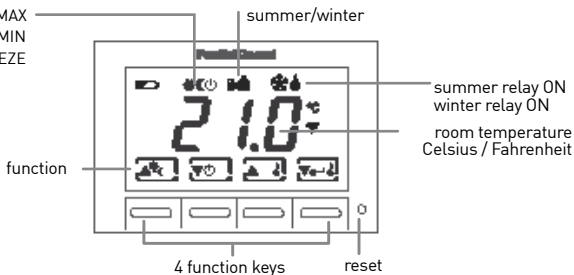
All parameters remain stored while the batteries are being replaced.

4 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.

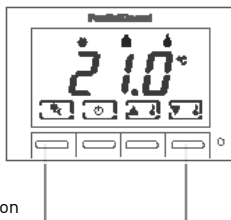
COMFORT / TMAX
ECONOMY / TMIN
OFF ANTIFREEZE



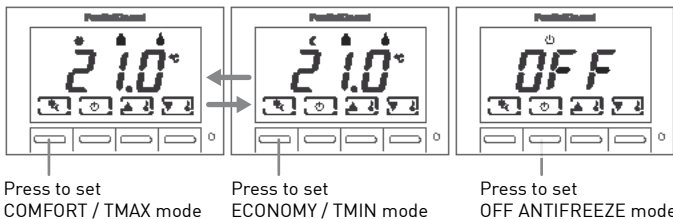
5 OPERATION

Operating mode selection
ECONOMY / TMIN
COMFORT / TMAX
OFF ANTIFREEZE

SUMMER or WINTER selection



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

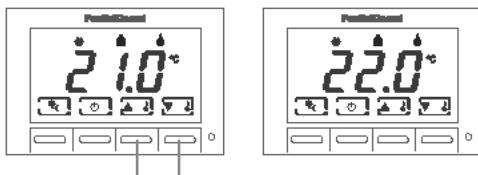


Press to set
COMFORT / TMAX mode

Press to set
ECONOMY / TMIN mode

Press to set
OFF ANTIFREEZE mode

CUSTOMISE THE TEMPERATURE



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

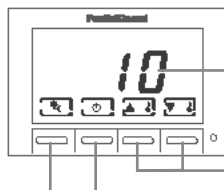
ECONOMY / TMIN 2 ÷ 40 °C

COMFORT / TMAX 2 ÷ 40 °C

OFF ANTIFREEZE 0 ÷ 7 °C

ANTIFREEZE temperature cannot be set in summer mode.

CHOICE OF BACK LIGHTING DURATION



10 sec.

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

OFF → always off

1sec 10sec

Increase\decrease back lighting duration.

Press while keeping

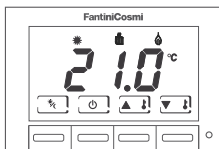
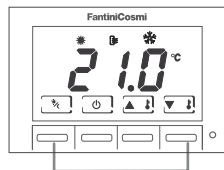
summer/winter and ON/OFF keys pressed.

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



always off

SUMMER/WINTER SELECTION

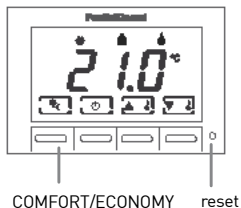


Press both keys simultaneously to select SUMMER (cooling) or WINTER (heating) mode.

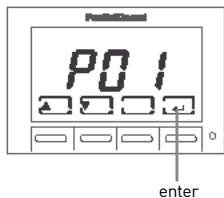
6 THERMOSTAT CONFIGURATION

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 ←.

CH121

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 reactive plants.

7 TECHNICAL FEATURES

Power supply	2 AAA 1.5V batteries
Battery duration	approximately 1 year *
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	ErPClassIV;2%(Reg.EU811/2013-813/2013)

* N.B. the life of the batteries is greatly affected by the type of use and the settings made by the user, especially the set back lighting switch-on time.



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.



FANTINI COSMI S.p.A.

Via dell'Osio, 6 20090 Caleppio di Settala, Milano - ITALY

Tel. +39 02 956821 | Fax +39 02 95307006 | info@fantinicosmi.it

EXPORT DEPARTMENT

Ph +39 02 95682229 | export@fantinicosmi.it

www.fantinicosmi.com