

cover plate not included



CH143AK

ENG

FLUSH MOUNTING WEEKLY PROGRAMMABLE THERMOSTAT 230V
(KIT)

INSTALLATION AND USER MANUAL

FLUSH MOUNTING WEEKLY PROGRAMMABLE THERMOSTAT

Dear customer, thank you for purchasing the Fantini Cosmi flush mounting weekly programmable thermostat, model CH143AK, for the temperature management and home comfort.

This manual contains all the information required for a correct installation and configuration.

You can also download this manual in digital format and in several languages by framing the QR code below and entering the product code.



pdf.fantinicosmi.it



ITALIANO
ENGLISH
FRANÇAIS
ESPAÑOL
DEUTSCH
РУССКИЙ
УКРАЇНСЬКИЙ

Warnings



Carefully read the installation instructions, safety warnings, operating modes and maintenance instructions in this booklet, which should be kept for further reference.

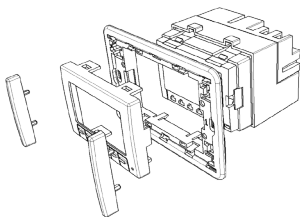
- After removing the packaging, check the integrity of the appliance; if in doubt, do not use it.
- Installation of the appliance should only be carried out by qualified technicians in compliance with current standards.
- The use of any electrical appliance involves observing certain basic rules. In particular:
 - DO NOT touch the device with wet hands or wet feet or bare feet.
 - DO NOT expose the device to the weather (rain, sun, etc.).
 - Before carrying out any maintenance or cleaning work, switch off the power supply.
 - DO NOT power the appliance with the cover open.

INDEX


1. TECHNICAL FEATURES	page 4
2. INSTALLATION	page 5
3. ELECTRICAL CONNECTIONS	page 7
4. BUFFER BATTERY FUNCTION	page 7
5. QUICK GUIDE FOR PROGRAMMING	page 8
5.1 DESCRIPTION OF KEYS	page 8
5.2 SETTING TIME AND DATE	page 8
5.3 OPERATING PROGRAMS	page 9
5.4 SETTABLE TEMPERATURES	page 10
5.5 SETTING OPERATING PROGRAMS	page 10
6. FUNCTIONS IN DETAIL	page 13
6.1 AVAILABLE PROGRAMS	page 13
6.2 SETTABLE TEMPERATURES	page 15
6.3 ADVANCED KEYS AND FUNCTIONS	page 16
6.4 RESET	page 21
7. MAINTENANCE	page 21
8. DISPOSAL	page 21

Contents of package

- 1 programmable 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 - TECHNICAL FEATURES

Temperature adjustment scale	2 ÷ 40 °C, increase 0.1°C
Measurement scale/room T display	-35 ÷ +60 °C
Power supply	230V 50Hz
Maximum power consumption	5.5 VA
Connection to boiler	3 screw clamps (closed + open)
Contact range	5(3)A / 250 Vac
Type of action	1BU. (micro disconnection)
Software	class A
Minimum adjustment differential	0.1°C
Thermal gradient of reference	4K/h
Maximum room temperature	T45
Electric insulation	 double insulation
Degree of protection	IP20
Pollution degree	2
Pulse voltage	4000V
Assembly	recessed in 3-module box type 503, with 2 screws
Dimensions	68 x 52,5 x 58 mm
Compliant with standards	EN 60730-1 and second parts
ErP classification	ErP Class IV ; 2% (Reg. EU 811/2013 - 813/2013)

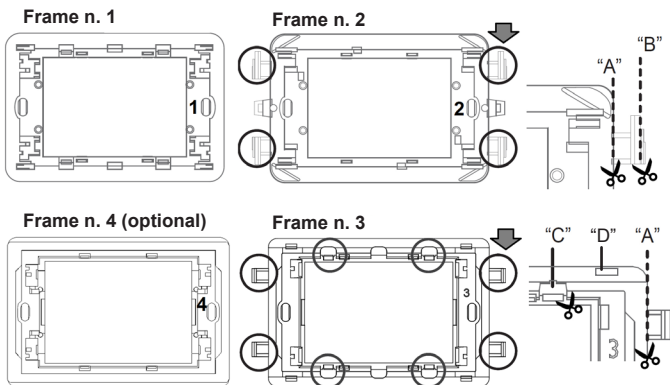
Product not manufactured in Italy.

2 - INSTALLATION

The CH143AK programmable thermostat 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. **Dedicated adapter kits are available for the Bticino Matix GO (silver), Bticino Living Now and Vimar Linea configurations (see technical sheet on the website www.fantiniCosmi.it).**

COMPATIBLE PLATES	COVER TYPE	TELAIO TYPE	TABS TO DETACH	ADAPTERS KIT
Bticino Living International and Transizione Piana	B	1	NO	NO
Bticino Living Light Air	B	3	NO	YES position "A+C+D"
Bticino Light, Light tech	B	1	NO	NO
Bticino Axolute	A	1	NO	NO
Bticino Matix	B	2	YES (dedicated)	YES position "A"
Bticino Matix GO	A	3	NO	"A+C"
Bticino Axolute Air	A	4	NO	NO
Vimar Idea e Rondò	B	2	SI	YES position "B"
Vimar Piana e Eikon	B	1	NO	NO
Vimar Eikon Evo	A	3	NO	YES position "A+D"
Vimar Arké	A	3	NO	NO
Vimar Arké Fit	A	1	NO	NO
Gewiss Chorus One, Lux, Art, Geo, Ego	B	2	NO	YES position "A"
Ave sistema 45: Zama, Banquise, Yes, Ral	B	2	YES	NO
Ave sistema 44: Zama, Personal, Tecnopolimero	A	1	NO	NO
Legrand Cross, Vela quadra, Vela tonda	B	2	NO	YES position "A"
ABB Elos	B	4	YES	NO
ABB Mylos	B	4	NO	NO

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



cut 4, 8 or 12 tabs
according to type of cover plate

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 (A or B) and proceed as follows:

Cover "A"

- 4a. Fix the thermostat to the appropriate frame;
- 5a. Mount the cover on the thermostat body;

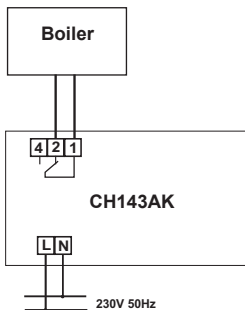
Cover "B"

- 4b. Mount the cover on the thermostat body;
- 5b. Fix the thermostat to the appropriate frame;
6. connect the two wires of the boiler to terminals 1-2 of CH143AK;
7. connect the two power cables L-N;
8. screw the frame onto the box using the provided screws;
9. mount the plate;
10. switch the electric system back on.

3 - ELECTRICAL CONNECTIONS



Installation and maintenance operations must be carried out with the system's electrical power switched off and by qualified personnel, in compliance with the regulations in force.



PLEASE NOTE: when CH143AK is disconnected, the boiler contact remains in its current position.

4 - BUFFER BATTERY FUNCTION

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

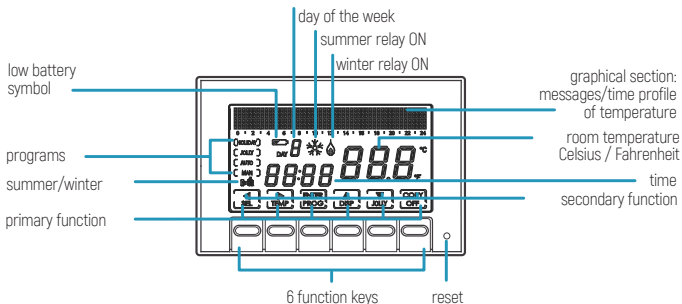
The internal battery of CH143AK allows it to maintain the date/time during blackouts.

N.B. the programmable thermostat works properly even when the battery is discharged, but during blackouts it is not assured that the date/time will be maintained.

5 - QUICK GUIDE FOR PROGRAMMING

5.1 - DESCRIPTION OF KEYS

The programmable thermostat is equipped with 6 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.



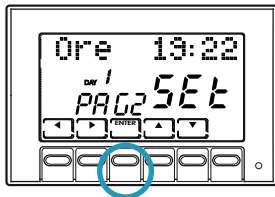
N.B.: pressing a key once has no effect aside from switching on the light on the display to have a better view.

5.2 - SETTING TIME AND DATE

After the device switches on, press the key **PROG** briefly: the text "Setup" is displayed; now press **▶** to enter the "Hours" page. Set the hour by pressing **▲** and **▼**. Then press **▶** to go to the "Minutes" setting. Again press **▶** to select, in order, the Year, Month and Day.

Pressing **▶** again allows you to choose whether to disable automatic change of summer/winter time: initially this function is active can but can be deactivated by pressing "NO" using the keys **▲** and **▼**.

Pressing **◀** allows you to go back to the previous page. To exit the Setup menu, press **ENTER**.

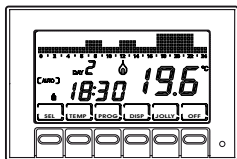


5.3 - OPERATING PROGRAMS

The CH143AK programmable thermostat has different operating modes, called programs:

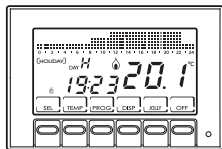
■ "AUTO" WEEKLY PROGRAM:

one of the four programmable temperatures can be associated to each half hour for each day of the week. This is the program displayed when the programmable thermostat is switched on and is generally the one most used.



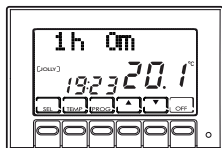
■ "HOLIDAY" DAILY PROGRAM:

Like in the AUTO program, you may select one of the 4 programmable temperatures for each half hour, but the identical sequence will be repeated every day.



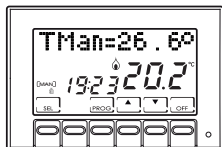
■ "JOLLY" TEMPORARY PROGRAM:

you may choose to hold a certain temperature for a certain number of hours, after which it will go back to the previously active program.



■ "MAN" MANUAL PROGRAM:

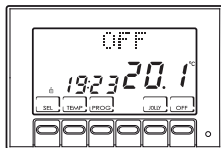
the programmable thermostat maintains a fixed temperature, specified each time, for an unlimited amount of time until another program is selected.



■ SYSTEM OFF OR WITH ANTIFREEZE PROGRAM "OFF/

ANTIFREEZE*:

the system remains off or else maintains a very low temperature (from 2 to 7°C) to prevent the fluid in the heating system from freezing.



5.4 - SETTABLE TEMPERATURES

Four different temperatures can be set and one can be selected for each half hour of the day in the AUTO and HOLIDAY programs. Three of these temperatures (T1, T2 and T3) can have values from 2° to 40°C, while the fourth, T antifreeze (TA), can range from 2° to 7°C, or be set at "OFF" (system off). The manual program has its specific temperature (TMan), like the JOLLY program (Tj), which are set in the respective screens and can range from 2° to 40°C.

The ANTIFREEZE/OFF program, on the other hand, follows the temperature TA which, as we have said, can range from 2° to 7°C; or else, it can be set at "OFF", switching the plant completely off.

5.5 - SETTING OPERATING PROGRAMS

→ PROGRAM SELECTION

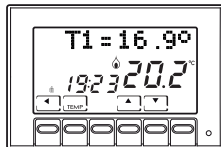
press **SEL** to select, in cyclical sequence, the different operating programs: AUTO -> MAN -> OFF -> HOLIDAY -> AUTO.

PLEASE NOTE: the JOLLY temporary program is not included in the program sequence, but can be selected directly by pressing the JOLLY key.

→ SETTING THE TEMPERATURES

press **TEMP** in the AUTO, HOLIDAY and OFF programs to change the value of the 4 programmable temperatures: when you press **TEMP** several times, the values T1, T2, T3, Ta appear in sequence; stop at the T you want to change and use the arrow keys ▲ and ▼ to increase or decrease the temperature by a tenth of degree at a time. Press ◀ to go back to the initial status.

Remember that T1 will always be less than or equal to T2, and T2 to T3.



In the JOLLY program, pressing **TEMP** alternates the view of the set temperature T_j and of the hours remaining until the end of the program: these two values can be changed using \blacktriangle and \blacktriangledown . The MAN program allows you to modify the fixed temperature T_{Man} using the keys \blacktriangle and \blacktriangledown .

→ EDITING CURRENT DATE AND TIME

briefly press the key **PROG** to enter the "Setup" menu where you may change the time, date, winter/summer mode and the automatic summer/winter time change function.

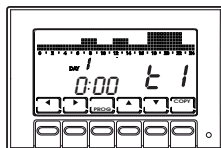
→ CUSTOMISATION OF WEEKLY "AUTO" PROGRAMMING AND DAILY "HOLIDAY" PROGRAMMING

keep the key **PROG** pressed until the text "Config" is displayed.

This menu allows you to program the weekly profiles (AUTO program) and daily profiles (HOLIDAY program) and to set the advanced functions (see the following paragraphs for their description).

PLEASE NOTE: if the text "Setup" appears instead of "Config", you did not press the key long enough and you must press **ENTER** to go back to the normal operating condition and try again.

When you enter the "Config" menu, a page appears which allows you to choose the desired temperature ($T_1/T_2/T_3/T_a$) for each half hour of the indicated day (from 1 to 7 indicating the days from Monday to Sunday).



PLEASE NOTE: $T_1/T_2/T_3/T_a$ are displayed on the right of the screen with the symbols

$t_1 - t_2 - t_3 - t_A$

Pressing \blacktriangleright and \blacktriangleleft allows you to move one half hour at a time to the right or to the left.

Pressing \blacktriangle and \blacktriangledown allows you to go from one programmed temperature to another.

Pressing **PROG** (briefly) switches you to the next day (DAY 1 -> 2 -> 3 -> 4 -> 5 -> 6 -> 7 -> H).

Press **COPY** to copy the temperature profile of the current day on the following day.

After H (profile of the Holiday daily program) you go to the Correction parameter page.

Pressing **PROG** (long) or \blacktriangleleft on day 1 sends you immediately to the Correction page.

Then pressing **ENTER** from the Correction page allows you to exit the "Config" menu.

→ "JOLLY" PROGRAM SETTING

In all programs, except MAN, pressing the key **JOLLY** selects the temporary program: this program allows you to define the desired temperature and its duration in hours (up to a maximum of 240, so to say 10 days).

For example, you may want to keep a lower temperature during the entire weekend when no one is home.

When you enter this program, you may modify the duration, which initially is one hour, and increase the number of hours by pressing ▲, or decrease them by pressing ▼.

Pressing **TEMP** allows you to view and modify temperature T_j, again using the keys ▲ and ▼.

Pressing **TEMP** again sends you back to view the duration of the JOLLY program.

When this time elapses, you go back to the initial program.

→ "OFF/ANTIFREEZE" PROGRAM SETTING

Pressing **OFF** from any program switches the programmable thermostat to the off/antifreeze status.

The antifreeze temperature [T_a] can be programmed by pressing **TEMP**, from OFF (boiler always off) to an interval between 2.0 and 7.0°C, by tenth of a degree, using the arrow keys ▲ and ▼.

Go back to the OFF status by pressing ◀.

Pressing OFF again sends you back to the previous operating status.

→ ALTERNATIVE DISPLAYS

Other information can be viewed in the AUTO and HOLIDAY programs in place of the temperature profile, by pressing the key **DISP** several times.

The first time it is pressed the programmed temperature for the current half hour appears, the second time it displays the date and the third time it goes back to the initial temperature profile.

6 - FUNCTIONS IN DETAIL

6.1 - AVAILABLE PROGRAMS

CH143AK has several operating modes (programs):

- "AUTO" weekly program
- "HOLIDAY" daily program
- "JOLLY" temporary program
- "MAN" manual program
- system off or with antifreeze "OFF"program

→ "AUTO" WEEKLY PROGRAM

4 temperature levels can be used in the AUTO operating mode (T_a, T₁, T₂, T₃), according to a programming with 30 minute steps, 24 hours a day, 7 days a week. The days are numbered from 1 to 7 and correspond to the seven days of the week, starting from Monday.

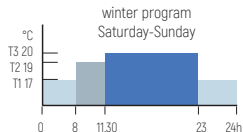
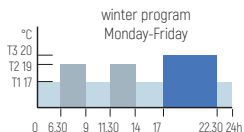
To simplify programming, you may set the first day and copy it on the following days.

The default for days 1 – 5 (Monday to Friday) is:

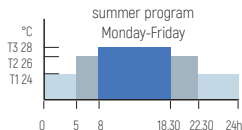
00:00 – 06:30 T₁
 06:30 – 09:00 T₂
 09:00 – 11:30 T₁
 11:30 – 14:00 T₂
 14:00 – 17:00 T₁
 17:00 – 22:30 T₃
 22:30 – 24:00 T₁

while the default for days 6 and 7 (Saturday and Sunday) is:

00:00 – 08:00 T₁
 08:00 – 11:30 T₂
 11:30 – 23:00 T₃
 23:00 – 24:00 T₁



The value of the 4 temperatures can be programmed using the TEMP function.
The temperature profile (hourly variation) can be programmed using the PROG function.



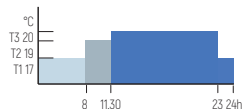
For summer mode (air conditioning), the default program is that shown in the figure.

→ "HOLIDAY" DAILY PROGRAM

4 temperature levels can be used in HOLIDAY operating mode, according to a programming with 30 minute steps, 24 hours a day.

This achieves a daily programming, regardless of the days of the week. The default temperature profile is:

00:00 – 08:00 T1
08:00 – 11:30 T2
11:30 – 23:00 T3
23:00 – 24:00 T1

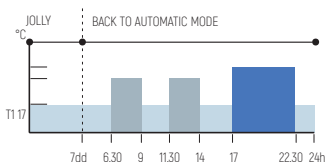


The value of the temperatures can be programmed using the TEMP function.
The temperature profile (hourly variation) can be programmed using the PROG function.

→ JOLLY

The JOLLY mode allows you to set a programmable temperature [Tj] for a programmable number of hours (from 1 to 24h). It is used when you wish to introduce a temporary variation to programming without changing the parameters, for example to maintain a high temperature for longer when spending an evening with friends or to keep it low when no one is home the weekend.

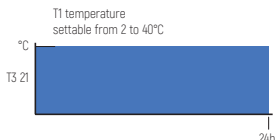
If you enter JOLLY mode using the specific function key, when time is up it goes back automatically to programming in progress.



→ MANUAL

MAN mode allows you to set a fixed temperature manually (Tman), ranging from +2.0 to +40.0 degrees, without expiring and without needing to modify the weekly or daily program.

For example it can be used to keep the house at a different temperature than that of the daily program when no one is home, or to switch on the system remotely, bringing it to a constant temperature.



→ OFF

OFF mode is used when you want to switch the system off.

It uses the temperature TA (antifreeze) as a reference, to guarantee protection of the system at low temperatures.

TA is normally set at +5 degrees, but it can also be set at OFF, to switch the boiler completely off. Weekly or daily programs remain unchanged.

6.2 - SETTABLE TEMPERATURES

The system can use 4 different temperature levels, three for normal use and one, called "antifreeze", to be used when you wish to keep the boiler off, but without risking having the fluid in the system freeze.

Programming of the three T is conditioned by reciprocal values, meaning that T1 cannot be higher than T2, T2 cannot be higher than T3 or lower than T1, and T3 cannot be lower than T2.

You must therefore pay attention to their programming, set by using the **TEMP** key.

T1 ranges between +2.0 and +T2 degrees, with variations every tenth of degree [default 17.0]

T2 ranges between +T1 and +T3 degrees, with variations every tenth of degree [default 19.0]

T3 ranges between +T2 and +40.0 degrees, with variations every tenth of degree [default 20.0]

TA (antifreeze) ranges between +2.0 and +7.0 degrees, with variations every tenth of degree, or a can be OFF, when the boiler remains off [default 5.0].

6.3 - ADVANCED KEYS AND FUNCTIONS

■ USING THE **SEL** KEY

The **SEL** key allows you to select the operating mode of the programmable thermostat, according to the following programs:

- HOLIDAY
- AUTO
- MANUAL
- OFF

To change the selected program, press **SEL** in sequence [cyclical]. The first 3 statuses are signalled with a small text on the left of the display, while the OFF status appears in the graphical area at the top.

■ USING THE **TEMP** KEY

- In AUTO, HOLIDAY and OFF

Pressing **TEMP** allows you to enter programming of the 4 temperatures used in these statuses

Change the temperatures using the arrow keys ▲ and ▼, as long as T1 is no higher than T2, T2 is not lower than T1 and higher than T3, T3 is not lower than T2.

Press **TEMP** to go to the next temperature [cyclical] T1>T2>T3>TA>T1.

Press ◀ to go back to the home page.

- In JOLLY

Pressing **TEMP** alternates from programming of Tj to that of the duration of Jolly (from zero to 240 hours, equal to 10 days).

Use ▲ and ▼ to change Tj (between +2 and +40°) and the duration (1 hour steps).

■ USING THE **PROG** KEY

→ **PROG** (brief) -> SETUP

- Winter/PAG1/Set
using ▲ or ▼ you switch from Winter to Summer and vice versa
press ► to change page and press **ENTER** to exit **PROG**.
- Hours HH (flashing) : MM/PAG2/Set
pressing ▲ cyclically increases the hours while ▼ decreases them.
press ► to change page and press **ENTER** to exit **PROG**.
- Min. HH:MM (flashing) /PAG3/Set
pressing ▲ cyclically increases the minutes while ▼ decreases them.
press ► to change page and press **ENTER** to exit **PROG**.
- Year: YYYY/PAG4/Set
pressing ▲ increases the years while ▼ decreases them
press ► to change page and press **ENTER** to exit **PROG**.
- Month: MM/PAG5/Set
pressing ▲ cyclically increases the months while ▼ decreases them
press ► to change page and press **ENTER** to exit **PROG**.
- Date: DD/PAG6/Set
pressing ▲ cyclically increases the days while ▼ decreases them.
press ► to change page and press **ENTER** to exit **PROG**.
PLEASE NOTE: when the date is set, the programmable thermostat automatically determines the day of the week.
- Summer Time YES/PAG7/Set
Automatically selects summer time, applicable in Europe and some of the countries. This set up automatically updates the time when it changes (March and October). Use ▲ or ▼ to say YES or NO. Press ► to go back to page.1 (Winter/Summer) and press **ENTER** to exit **PROG**.

→ **PROG** (long) -> CONFIG.

The display of day 1 appears, with the graphical display of the temperatures each half hour, indication of the half hour and the associated temperature (**T 1 - T 2 - T 3 - T H**).

Day 1 corresponds to Monday, and so on. Day H is the Holiday, which does not Change during the week.

Pressing **▶** moves forward a half hour.

Pressing **▲** or **▼** moves up or down from T_A to T₁ to T₂ to T₃.

Press **PROG** (briefly) to change the day [1, 2, 3, 4, 5, 6, 7, H].

After H you go to page1 (Correction).

Pressing **PROG** (long) sends you right away to page 1.

Press **COPY** to copy the temperature profile of the current day on the following day.

From page 2 on, pressing **ENTER** allows you to exit programming.

Press **◀** to go back to the previous half hour (even the day before).

Press **◀** at the start of day 1 to go right to page 2.

→ Correction/PAG1/XX.X°

This allows you to modify the read temperature, which due to the recessed wall installation or perhaps a non-ideal height might not indicate the true temperature perceived.

It is recommended to calibrate it by comparing it with a thermometer placed at the desired height/area.

Use **▲** and **▼** to modify the temperature value on the display.

Press **▶** to go to page 2 and **ENTER** to exit.

→ Celsius/PAG2/XX.X°

This allows you to choose the temperature display scale between Celsius and Fahrenheit degrees.

Press **▲** or **▼** to switch from Celsius to Fahrenheit.

Press **▶** to go to page 3 and **ENTER** to exit.

→ Light OFF-ON Xs/PAG3

To adjust back lighting of the display (sky blue light). You can choose not to have it (OFF) or to have it with a duration programmed from 1 to 9 seconds.

When back lighting is set at "always OFF", simply press the keys once to activate the various functions. Press **▲** or **▼** to switch from OFF to ON, then choosing the duration (1-9 sec).

Press **▶** to go to page 4 and **ENTER** to exit.

→ Int. Light X/PAG4

Allows you to modify the luminous intensity of the display, at 9 levels.

Press **▲** or **▼** to modify the brightness level (1-9).

Press **▶** to go to page 5 and **ENTER** to exit.

- Italiano/PAG5
Allows you to change the language used during programming.
Press ▲ or ▼ to cyclically switch from one language to another.
Press ► to go to page 6 and **ENTER** to exit.

- Block? NO{YES}/PAG6
Allows you to block the keyboard, with the 4-digit password. It only works once and then must be re-enabled.
Pressing ▲ or ▼ switches from NO to YES, and press **ENTER** to request the password, entered with the arrow keys ▲ or ▼, selecting the digits with ► and ◀.
Press **ENTER** to store it, going back to the normal operating display, where only the function key **ENTER** is visible. When you press it you are requested to enter the password, using the arrow keys ▲ and ▼, followed by **ENTER**. The display goes back to normal programming, enabling all the functions.
Press ► to go to page 7 and **ENTER** to exit.

- Reset? NO {YES}/PAG7
Press ▲ or ▼ to switch from NO to YES. Pressing **ENTER**, while "YES" is displayed restores all the parameters (except date and time) to the default values.
Press ► to go to page 8 and **ENTER** to exit.

- CH143AK vX.Y/PAG8
Displays the software version of the CH143AK programmable thermostat.
Press **ENTER** to exit and to go back to the normal operation page.
Pressing ► allows you to go back to programming the hourly profile (page 1).

■ USING THE **DISP** KEY

The **DISP** key allows you to view windows with different information regardless of the operating status, only when in AUTO or HOLIDAY modes.

The following windows may be viewed:

- Profile of the day / hour:min / Tamb
- Currently set temperature [e.g T3=20.0°] / hour:min / Tamb
- Dd/Mm/Yyyy / hour:min / Tamb

■ USING THE **JOLLY** KEY

The **JOLLY** key allows you to force a temperature to a fixed value for a preset amount of time to replace normal operation.

The following window is displayed:

- Duration of JOLLY status (HH h MM m) / hour:min / Tamb

Using the arrow keys ▲ and ▼ allows you to change the duration of the JOLLY status with hourly steps. The Jolly temperature is set by pressing the key **TEMP**, which displays a window such as the following:

- Tj=xx.x° / hour:min / Tamb

This window remains displayed until you press the key ◀ once again, going back to the previous display, which indicates the duration of the status.

To exit JOLLY mode before time is up, you can change the number of hours to zero using the arrow key ▼ to go back automatically to the initial status, or else press **SEL** to choose the desired status, with the AUTO, MAN, HOLIDAY, OFF cycle.

■ USING THE **OFF** KEY

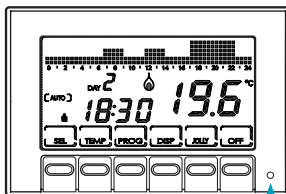
The **OFF** key allows you to switch the system off, in whatever operating status it is found. The following window is displayed:

- OFF / hour:min / Tamb

Pressing **OFF** again sends you back to the previous operating status.

6.4 - RESET

Due to unexpected events, the device could need to be restarted (e.g following strong electromagnetic interference): in this case, you may act by pressing the round key (RESET) located inside the device in the bottom right corner, using a paper clip or pin; the device restarts displaying the text: "Fantini Cosmi / CH143AK" for a few seconds, and then goes to AUTO mode.



The previous configuration is retained as it is stored by the programmable thermostat. The date and clock are normally not changed.

If you wish to go back to default programming, the system can be restored by pressing RESET in PROG/CONFIG, which is exited in AUTO mode. In this case, all the settings and customisations made by the user will be lost and replaced with default settings, except date and time.

7 - MAINTENANCE

Use only a soft and dry cloth to clean the device. Do not use water or other liquid substances.

6 - DISPOSAL



Symbol of the crossed-out wheeled bin indicates that the product must be collected and disposed of separately from household waste. Batteries and the 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 programs available in your country, contact the local authorities or the sales point where you purchased the product.



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