Fan

Intellicomfort+

WIRELESS MULTI-ZONE THERMOREGULATION SYSTEM
WIRELESS | WIRED

Intelliclima +

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FantiniCosmi
Industrie

EVERY ROOM HAS THE RIGHT TEMPERATURE AND HUMIDITY

With Intellicomfort + you can adjust the room temperature and humidity differently, in every single room in your flat or office.

EVERY ROOM IS CONNECTED

With the new Intelliclima+ APP

and the new CH180RFWIFI programmable thermostat you can control and edit the set programs and temperature, as well as view the humidity rate, in each zone from your smartphone or tablet.

FOR ANY KIND OF SYSTEM

Intellicomfort+ is a totally flexible system, which can be adapted to any type of system and can be customised as required.

CONSUMPTION MINIMIZED

Excessively heated rooms when unnecessary and hours of system operation when nobody is at home considerably raise the amount of energy costs. Programming on/off times on the heating and cooling system means reduced costs and a lighter energy bill.

PRESET KITS

Fantini Cosmi offers several preset kits including a programmable thermostat and radiator actuators. The kits, with integrated Wi-Fi, are ready for easy installation in various rooms of the home.
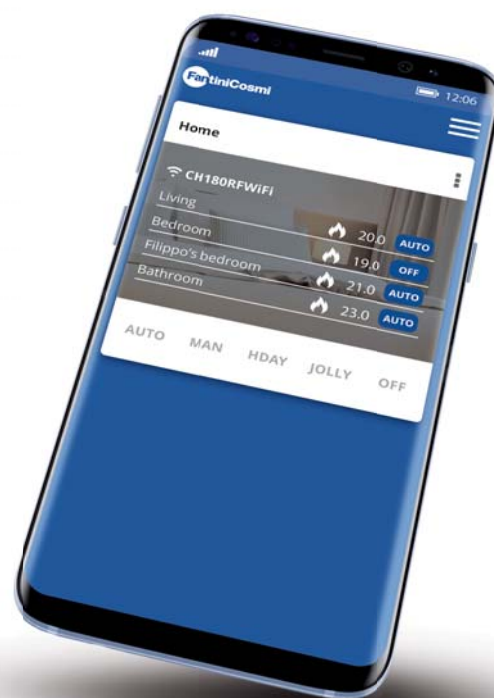
FantiniCosmi

Intellicomfort+

Every room has the right temperature and humidity

Intellicomfort+ is the new multi-zone temperature control system by Fantini Cosmi. With Intellicomfort+ you can diversify the temperature of every single room, at home or at the office, according to the different housing requirements, preventing unnecessary waste, ensuring well-being and considerable energy savings.
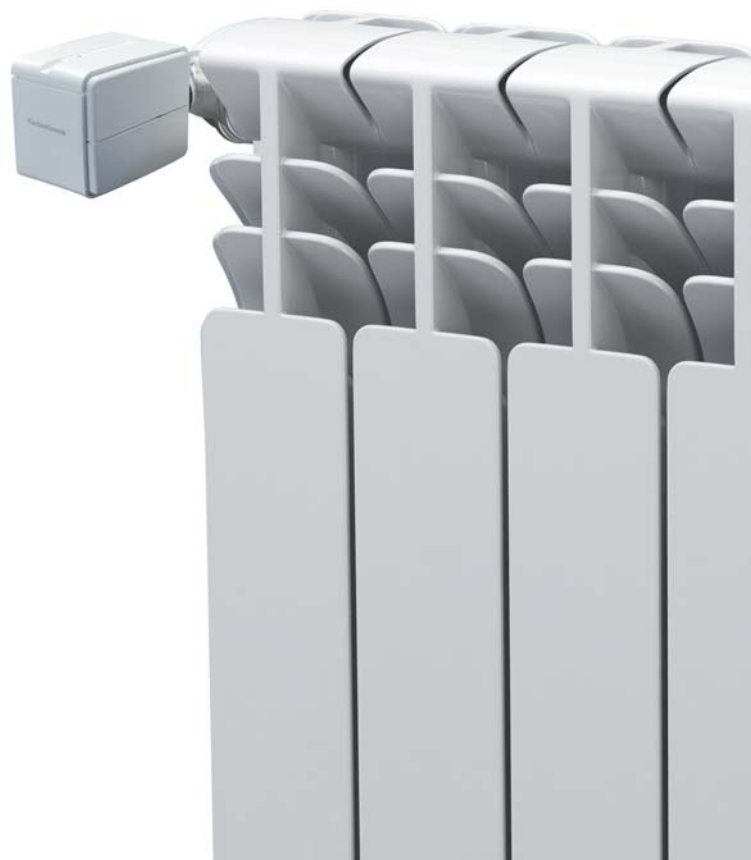
HOW TO ACHIEVE WELL-BEING AND ENERGY SAVING

Each room of your home is meant for different activities that require a correct ideal temperature, for example the lounge and the bathrooms need to be warmer, while the kitchen and the bedrooms can have a lower temperature. Fantini Cosmi helps you optimise the temperature of the rooms, which is crucial for your well-being and to save energy, without heating rooms when unnecessary.

Temperature alone is not enough to determine the ideal ambient conditions. In fact, the percentage of humidity, recommended between 40-65%, is very important for our well-being. Both in winter and summer, a high humidity rate can make you perceive an excessively high or low temperature. On the other hand, if the humidity rate is too low, the environment becomes dry and can cause other problems. With Intellicomfort+ you can control the humidity and determine the ideal ambient conditions for your home and your comfort.

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20°C Living

When you are at home at weekends, you spend most of your time in the living room, maybe relaxing and watching films on the sofa. A constant temperature at 20 °C is therefore recommended in this room.

18°C Kitchen

This room is usually the warmest one, since the oven and cooker raise the temperature. Therefore, a correct temperature should not exceed 18 °C.

22°C Bathroom

As nobody likes getting cold soon after waking up or after a hot shower, this should be the warmest room of all, especially in the morning or evening.

19°C Bedroom

It has to be the coolest room, since a low temperature around 19°C helps us breathe and relax better while we sleep.
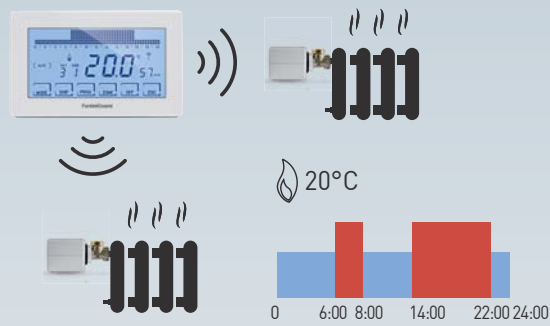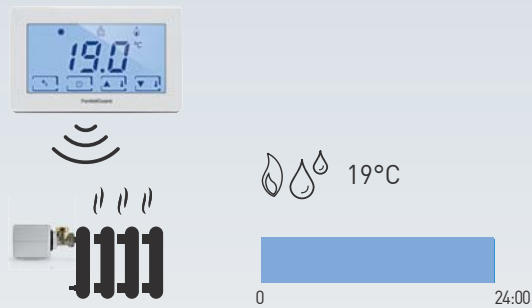
COMFORT FOR EVERY NEED

Sara, Luca and Filippo
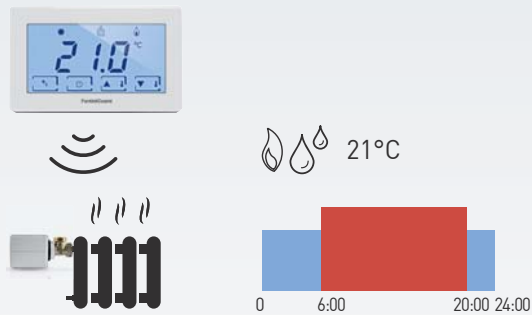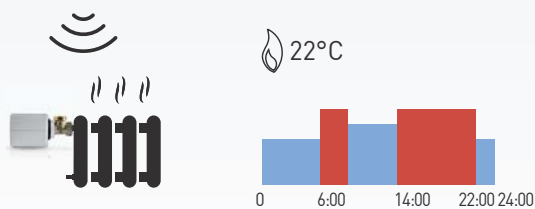
MULTI-ZONE RADIATOR CENTRAL HEATING SYSTEM

Living

20°C

0   6:00 8:00   14:00   22:00 24:00

Bedroom

19°C

0   24:00

Filippo's bedroom

21°C

0   6:00   20:00 24:00

Bathroom

22°C

0   6:00   14:00   22:00 24:00

For a family living in a block of flats with a central heating system, an independent ambient temperature control becomes possible with Intellicomfort+. For example, Sara and Luca can easily set different temperatures in each room, and program a higher temperature in the bathroom to ensure little Filippo a warm and comfortable environment. In addition, thanks to the humidity control function, Intellicomfort+ always ensures the right humidity rate, so that the air in his room does not get excessively dry. With the Intelliclima+ APP they can control and choose the ideal level of comfort in every room, at any time and wherever they are.

Andrea, Laura and Marco are partners in a law firm and share the same flat in a building, each one with a separate office and different times and habits. Heating all the offices, seven days a week, would be a waste of energy.
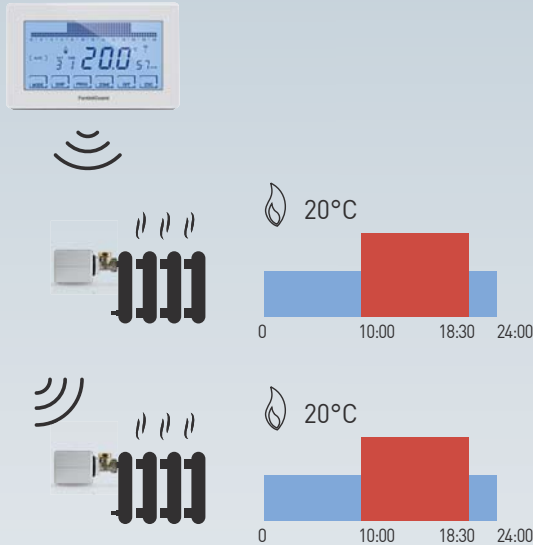
With Intellicomfort+ they can program days, times and the desired temperature as required.

With Intellicomfort+ and the Intelliclima+ APP they can program the days, times and desired temperature as required, creating a comfortable environment and avoiding unnecessary energy waste

MULTI-ZONE RADIATOR INDEPENDENT HEATING SYSTEM

Meeting room

20°C

0   10:00   18:30   24:00

20°C

0   10:00   18:30   24:00

Andrea's office

20°C

0   10:00   18:00   24:00

Laura's office

22°C

0   10:00   19:30   24:00

Marco's office

20°C

0   8:00   14:00   24:00

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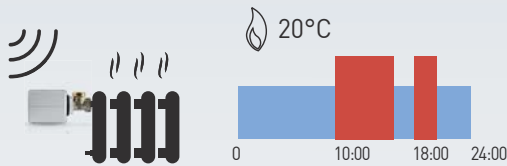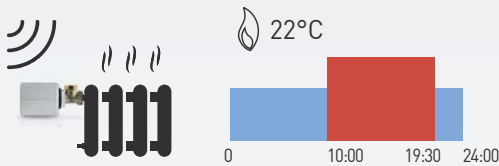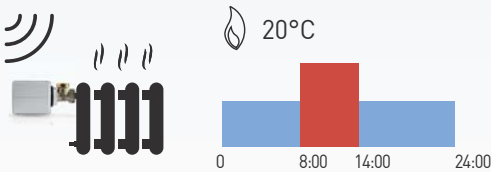
Andrea, Laura and Marco

Anna and Paolo

FartiniCosmi

MULTI-ZONE FLOOR HEATING AND COOLING SYSTEM WITH HUMIDITY REGULATION, INDEPENDENT OR CENTRALIZED

Living

26°C - 50 %UR

0   6:00 10:00 14:00   22:00 24:00
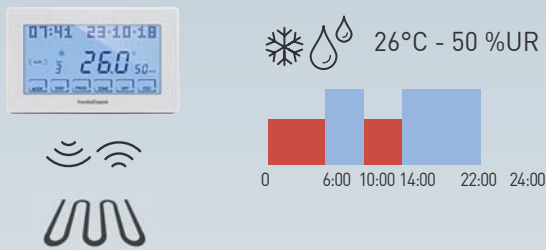
Kitchen

25°C - 50 %UR

0   6:00 10:00 14:00   21:00 24:00

Bedroom

28°C - 50 %UR

0   10:00   18:00 24:00

Studio

25°C - 50 %UR

0   6:00   10:00   17:00   24:00

THERMOACTUATORS

DEHUMIDIFIER

BOILER
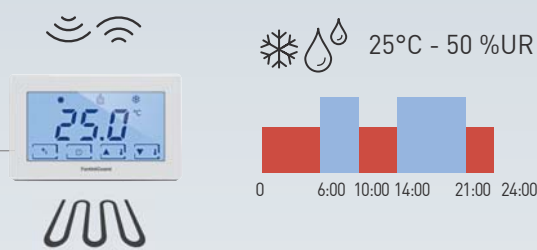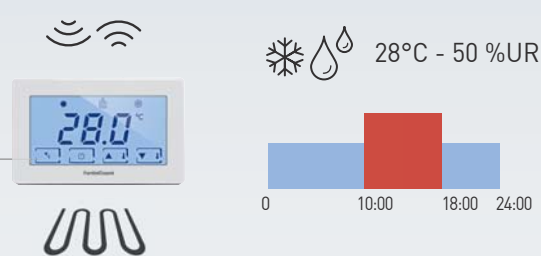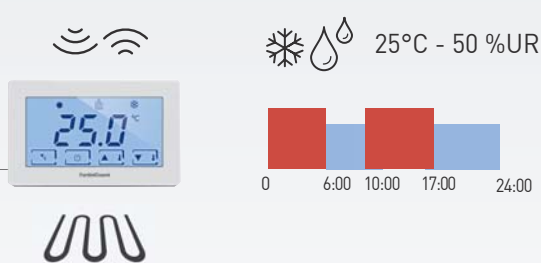
Anna and Paolo recently purchased a small detached house with a modern underfloor heating and cooling system.
With Intellicomfort+, during the summer season, they can adjust their cooling system in every room as they prefer.
Last but not least: they can achieve maximum well-being by keeping the humidity rate under control, which is very important for an optimum perceived temperature and to prevent damages to precious items.
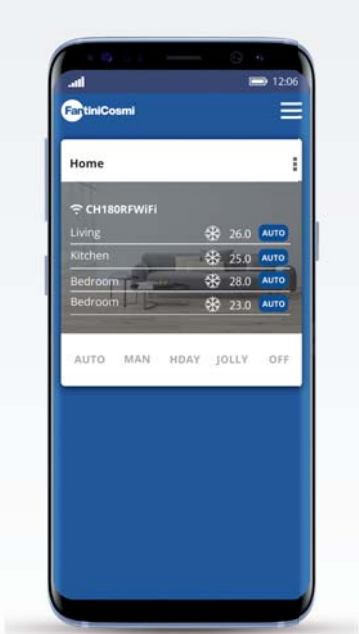
EVERY ROOM
IS CONNECTED

Intelliclima +

With the Intelliclima+ APP you are always connected to your wireless multi-zone temperature control system and you can manage your ideal comfort levels in a simple and intuitive way, from a smartphone or tablet, wherever you may be. With Intelliclima+ you can:

- Switch the heating/cooling system ON or OFF;

- Choose ideal temperature at any time and until when it set;

- Check the state of system in real time;

- Create the weekly or daily program or choose from the preset ones;

- Optimise comfort and save energy;

- Monitor the energy consumption of the plant;

- Control several homes and several programmable thermostats within a single home;

- Share the programmable thermostat with multiple users.

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SIMPLE AND INTUITIVE GRAPHICS

The graphical interface is modern, extremely intuitive and allows you to easily control your Intellicomfort+ system.
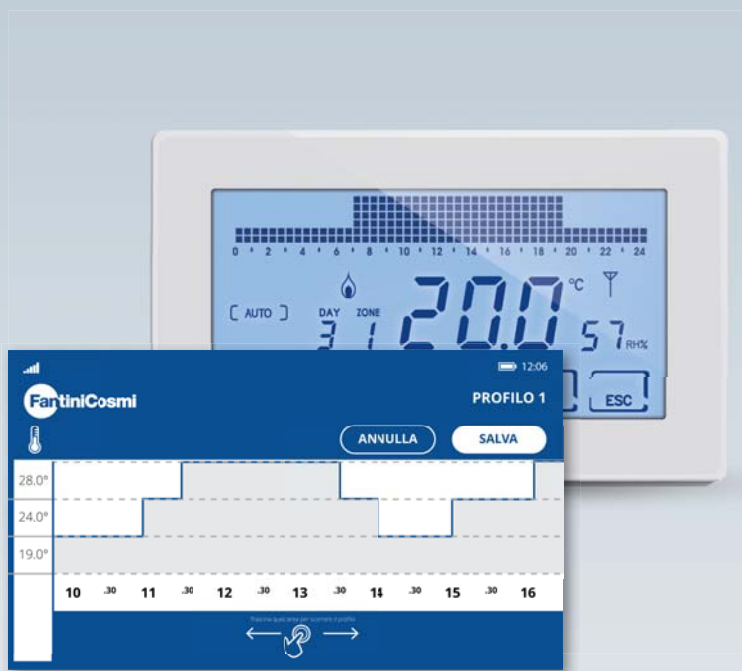
CONTROL AND SHARE

The Intelliclima+ APP lets you share your programmable thermostat control with any users of your choice.
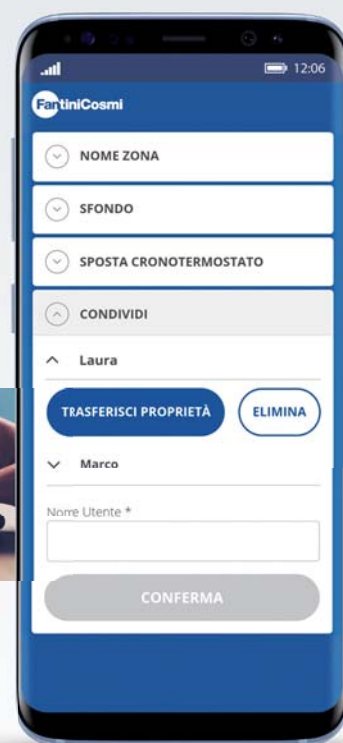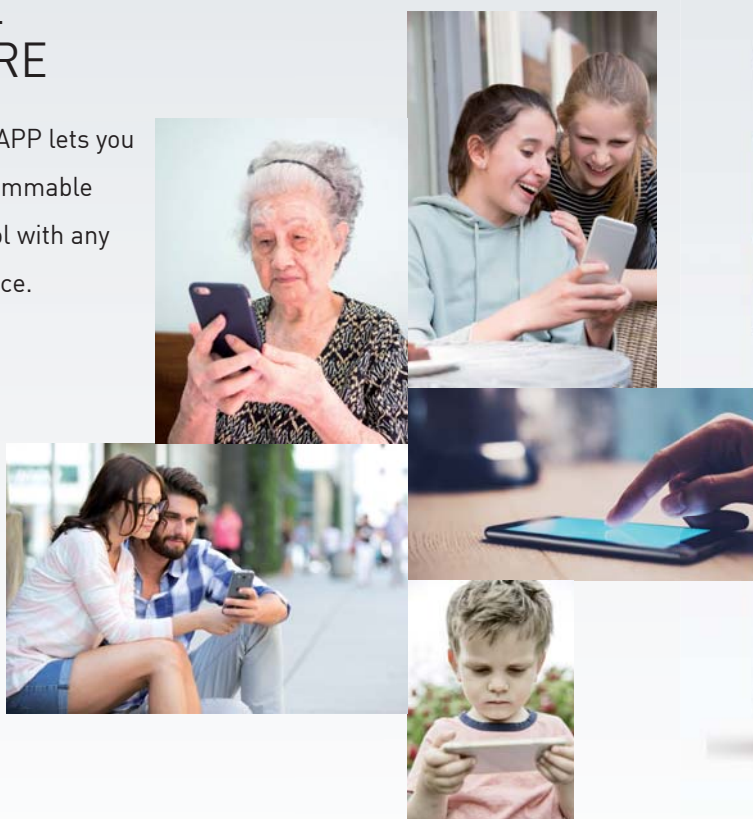
CHOOSE
YOUR COMFORT

Use the Intelliclima+ APP to remotely control every single room in your home or office. Together with the CH180RFWIFI programmable thermostat, Intelliclima+ can control several zones within a single home.

CUSTOMISE
YOUR COMFORT

Customise your APP with your pictures, click and choose your favourite ones.

FartiniCosmi
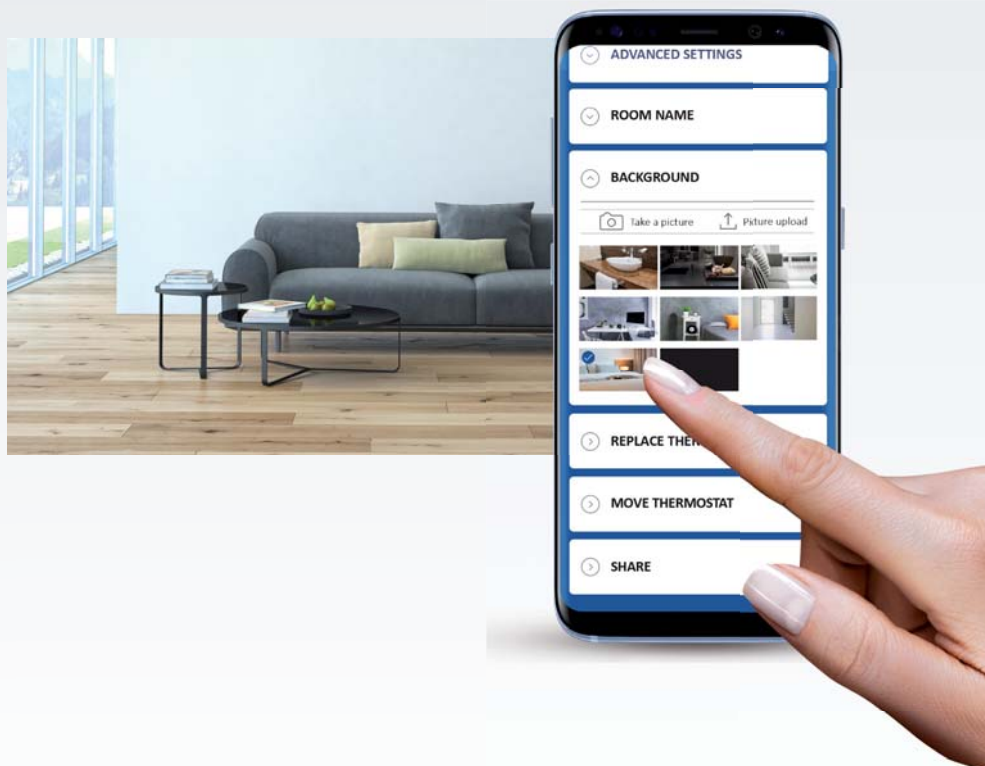
PRESET PROGRAMMES

Start using your programmable thermostat immediately with the programmes; Intelliclima+ provides you with useful preset programming profiles that will help you program and manage your comfort.
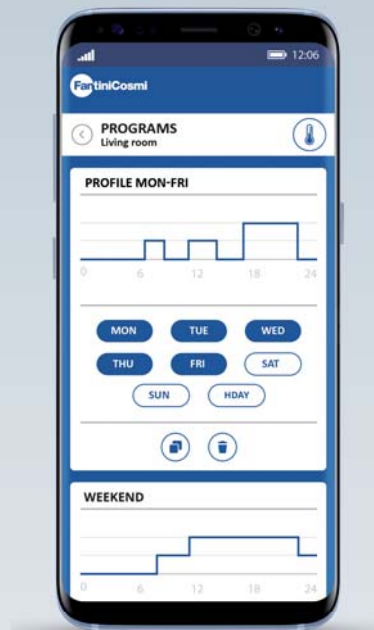
GUIDED INSTALLATION

You can use an installation wizard to configure the APP and your programmable thermostat in just a few simple steps.

The Intelliclima+ APP is available for free on:

THE **SYSTEM** COMPONENTS

Weekly wireless touch screen programmable thermostat with WiFi connection

Intellicomfort CH180RFWIFI

WIFI programmable thermostat to directly manage the wireless multi-zone thermoregulation system or by Intelliclima+ APP on your smartphone and tablet.

CH180RFWIFI "MASTER" programmable thermostat monitors the various zones in the home, communicating with the CH120RF room thermostats and the O60RF wireless radiator actuators, or with the boiler actuators or CH175 zone solenoid valve.

It can also act as zone thermostat, and can control the O60RF and CH175 actuators.

It has a custom temperature, humidity and time profile program for each zone, which can be modified as needed.

A simple and intuitive graph shows energy consumption directly on the white positive backlight LCD of the programmable thermostat.

A maximum of 8 control zones and 15 devices can be directly connected to the CH180RFWIFI.

ErP classification (EU Reg. 811/2013 - 813/2013):
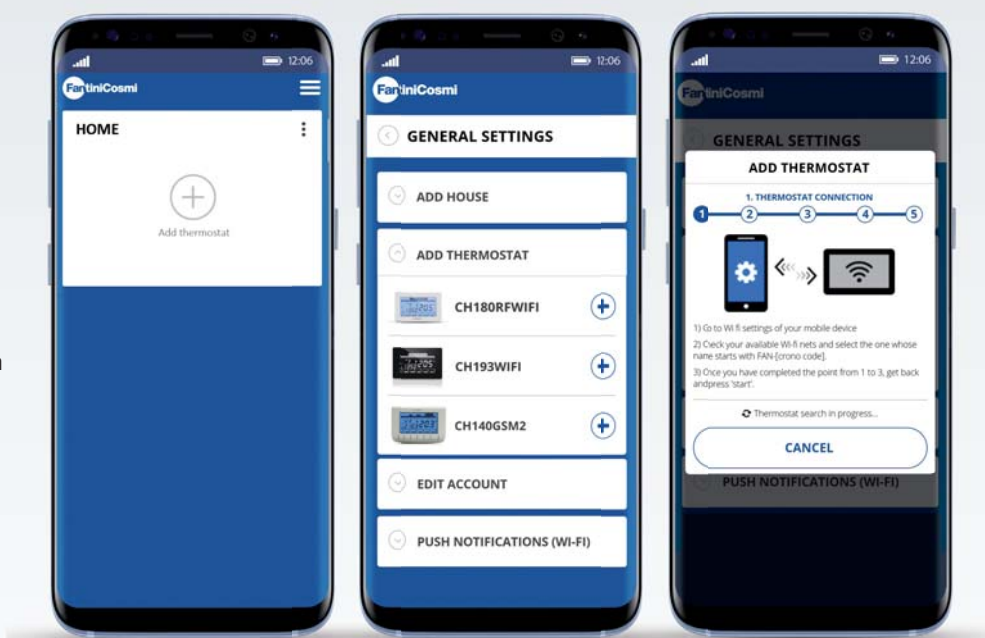- Class IV; 2%;
- Class VIII; 5% when used with O60RF actuators to create three or more heating zones.

- General heating, cooling and humidity control;
- Zone heating, cooling and humidity control;
- Direct control and by Intelliclima+ APP
- Weekly program;
- Viewing of energy consumption;
- Operating mode: MAN manual, AUTO weekly, HOLIDAY, JOLLY programmable up to 90 days, OFF system shut down or with antifreeze program;
- Adjustable differential 0.3 ÷ 5 K;
- Correction of the offset of the temperature read
- Screen lock of CH180RFWIFI and the connected CH120RFs;
- Lock function with password;
- Change-over from external relay;
- External probe management;
- 1 relay for heating/cooling or humidity systems;
- Alarm management if minimum

- and maximum temperatures are exceeded;
- System lock management if minimum and maximum temperature threshold is overcome;
- Display showing system fault anomalies;
- Standard time management;
- White positive backlight LCD;
- Power supply: 230V-50Hz;
- Wall mounting or in 3-module embedded box (503) or in round box;
- Max. management of 15 devices directly connected to the CH180RFWIFI;
- Maximum 8 control zone;
- Possibility to associate different names to all zones;
- Responding to Directive 2014/53/EU (RED).

CODE	POWER SUPPLY	TEMPERATURE RANGE	CONTACT RATING
CH180RFWIFI	230V - 50HZ	2 ÷ 40 °C	5(3)A 250VCA

CODE	
1598089	Stand-alone power supply kit
1598090	Power supply kit for CH120 -CH180 series

Weekly wireless touch screen programmable thermostat

ErP classification (EU Reg. 811/2013 - 813/2013):
- Class IV; 2%;
- Class VIII; 5% when used with O60RF actuators to create three or more heating zones.

- General heating, cooling and humidity control;
- Zone heating, cooling and humidity control;
- Weekly program;
- Viewing of energy consumption;
- Operating mode: MAN manual, AUTO weekly, HOLIDAY, JOLLY programmable up to 90 days, OFF system shut down or with antifreeze program;
- Adjustable differential 0.3 ÷ 5 K;
- Screen lock password for CH180RF and all connected CH120RF;
- Lock function with password;
- Change-over from external relay;
- Alarm management if minimum and maximum temperatures are exceeded;
- System lock management if minimum and maximum temperature threshold is overcome;

- Display showing system fault anomalies;
- Standard time management;
- White positive backlight LCD;
- Power supply with two 1.5V AA alkaline batteries;
- Wall mounting or in 3-module embedded box (503) or in round box;
- Max. management of 15 devices directly connected to the CH180RF;
- Maximum 8 control zone;
- Possibility to associate different names to all zones;
- Responding to Directive 2014/53/EU (RED).

Intellicomfort CH180RF

CH180RF "MASTER" programmable thermostat monitors the various zones in the home, communicating with the CH120RF room thermostats and the O60RF wireless radiator actuators, or with the boiler actuators or CH175 zone solenoid valve.

It can also act as zone thermostat, and can control the O60RF and CH175 actuators.

It has a custom temperature, humidity and time profile program for each zone, which can be modified as needed.

A simple and intuitive graph shows energy consumption directly on the white positive backlight LCD of the programmable thermostat.

A maximum of 8 control zones and 15 devices can be directly connected to the CH180RF.

CODE	POWER SUPPLY	TEMPERATURE RANGE	CONTACT RATING
CH180RF	2 batteries AA 1,5V	2 ÷ 40 °C	5(3)A 250VCA

CODE	
1598089	Stand-alone power supply kit
1598090	Power supply kit for CH120 -CH180 series

Wireless touch screen room thermostat

CH120RF

CH120RF room thermostat shows the current settings, temperature and humidity levels and regulates the temperature in the zone in which it is installed, by communicating with the O60RF and CH175 actuators in the zone.

CH120RF zone thermostat allows the user to temporarily change the current functional settings (modify the temperature/humidity set point, change Economy/Comfort mode, etc.).

It can control up to 15 O60RF radiators actuators and CH175 relay actuators via wireless connection.

- Zone heating, cooling and humidity control;
- 3 settable temperatures: COMFORT, ECONOMY and OFF
- Lock function with password;
- Standard time management;
- White positive backlight LCD;
- Power supply with two 1.5V AA alkaline batteries;

- Wall mounting or in 3-module embedded box (503) or in round box;
- It can control up to 15 wireless actuators, O60RF or CH175;
- Responding to Directive 2014/53/EU (RED).

CODE	POWER SUPPLY	TEMPERATURE RANGE	CONTACT RATING
CH120RF	2 batteries AA 1,5V	2 ÷ 40 °C	5(3)A 250VCA

CODE	
1598089	Stand-alone power supply kit
1598090	Power supply kit for CH120 -CH180 series

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Wireless radiator actuator

O60RF

The O60RF wireless actuator replaces the radiator thermostatic head or manual regulator already present on the thermostatable valve; acting on the valve piston, the actuator opens or closes the flow of water in order to maintain the ambient temperature set on the CH180RF / CH120RF series programmable thermostat or thermostat.

wireless

- Fixing kit included for valves not M30x1.5 mm;
- Responding to Directive 2014/53 / EU (RED).

CODE	POWER SUPPLY	VALVE CONNECTION	OPERATING TEMPERATURE
O60RF	2 batteries AA 1,5V	M30x1.5mm	0 ÷ 50°C

1 relay wireless actuator

N L   L1 C NC
230V

CH175

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CH175

CH175 device is an actuator that, when connected to the wireless network of the Intellicomfort+ system, can activate the various units of the system: boiler control, zone solenoid valve control, cooling control, dehumidification control, etc.
CH175 also works as a wireless repeater, extending the radio range of the Intellicomfort+ wireless network.

wireless   DIN   230V

- Responding to Directive 2014/53 / EU (RED).

CODE	POWER SUPPLY	MOUNTING	CONTACT RATING
CH175	230Vca - 50HZ	2 DIN-rail modules	5 (3) A – 250Vca

Wiring center suitable for 8 channels

EVWC8R

The EVWC8R connection bar is a device to be installed in the distribution manifold box to facilitate the connections between the programmable thermostats CH180RFWIFI/CH180RF, room thernostats CH120RF, the 230Vac thermal actuators and possibly a circulation pump.
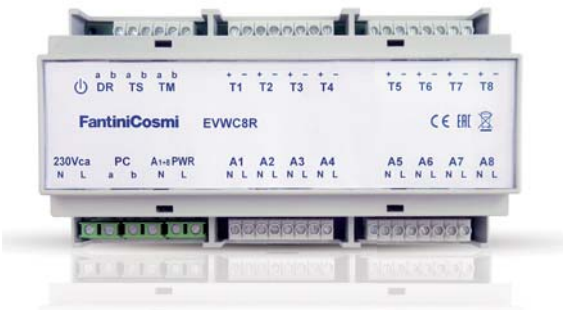
- LED signals that indicate the status of the inputs
- Relay contact range: 5(3) A–250Vac
- Absorbed power: 4VA max (load excluded)

COD.	POWER SUPPLY	MOUNTING	CONTACT RATING
EVWC8R	230Vca - 50HZ	DIN 9 modules	5 (3) A – 250Vca

Floor temperarure probe

EC19

Floor temperature probe to control the supply temperature, to be connected to the programmable thermostat and thermostats for controlling underfloor cooling systems.

- Nylon capsule 7x25mm;
- Double insulation PVC bipolar cable (white outward);
- Tinned terminals.

COD.	LENGTH
EC19	3 m

System configurator

1590880

The 1590880 unit is the programmer used to make all procedures steps required for the commissioning of the Intellicomfort+ system devices.

- Responding to Directive 2014/53 / EU (RED);

CODE	DESCRIPTION	POWER SUPPLY
1590880	Intellicomfort+ system configurator	2 batteries AAA 1,5V

THE SYSTEM **IN A KIT**

## PRESET KITS, EASY TO INSTALL AND WITH INTEGRATED WIFI

Fantini Cosmi's Intellicomfort+ system has been redesigned in the form of a kit: ultra compact equipment that allows you to set a different temperature in every single room, either at home or at work, quickly and entirely on your own. Plus, thanks to integrated Wi-Fi, Intellicomfort+ lets you manage your ideal level of comfort easily and intuitively from your smartphone and tablet, wherever you are.

HANDY FOR THE USERS

For a family living in a block of flats with a central heating system, the heating system can be managed autonomously with Intellicomfort+. Indeed, with the wireless multi-zone temperature control system you can easily set a different temperature in the various rooms. Moreover, with the Intelliclima+ App, every room is always connected and you can easily and intuitively choose the ideal level of comfort from your smartphone and tablet.

DESIGNED FOR INSTALLERS

The preset, ready for use kits are the ideal tailor-made solution for those who would like to approach small-sized, multi-zone temperature control, quickly and entirely independently. Installation of the Intellicomfort+ kit can be adapted to any kind of system and with no need for masonry work. Indeed, the O60RF radiator actuators are battery-operated and communicate in wireless mode.

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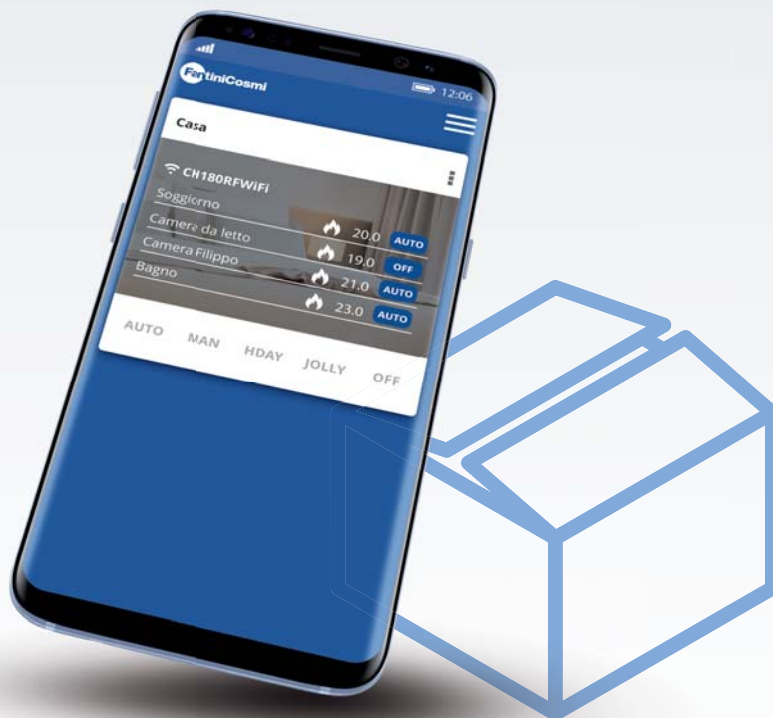
WHAT'S IN THE KIT?

The new multi-zone temperature control kit consists of a WIFI CH180RFWIFI programmable thermostat, acting as a supervisor, and several O60RF radiator actuators, depending on the chosen kit.
The actuators are battery-operated and communicate in wireless mode with the programmable thermostat; they are also ready and preset for installation in various types of rooms (kitchen, living room, bathroom and bedroom). You can choose among different kit sizes depending on your needs:

CH180K2
2-ZONE TEMPERATURE CONTROL

1	wireless programmable thermostat CH180RFWIFI
2	wireless radiator actuator O60RF

CH180K3
3-ZONE TEMPERATURE CONTROL

1	wireless programmable thermostat CH180RFWIFI
3	wireless radiator actuator O60RF

CH180K5
4-ZONE TEMPERATURE CONTROL

1	wireless programmable thermostat CH180RFWIFI
3	wireless room thermostat CH120RF
5	wireless radiator actuator O60RF

Each kit is expandable, you can add other O60RF actuators or other Intellicomfort + system components to satisfy the different requests.

FantiniCosmiIndustrie

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