



Intellicomfort+
MULTI-ZONE WIRELESS CLIMATE CONTROL SYSTEM



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.

NO CABLE, ONLY BATTERIES

The components of the Intellicomfort+ system are battery powered and communicate with each other wirelessly, so they can be installed in any flat or office without the need for masonry work.

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.

ENERGY SAVING UNDER CONTROL

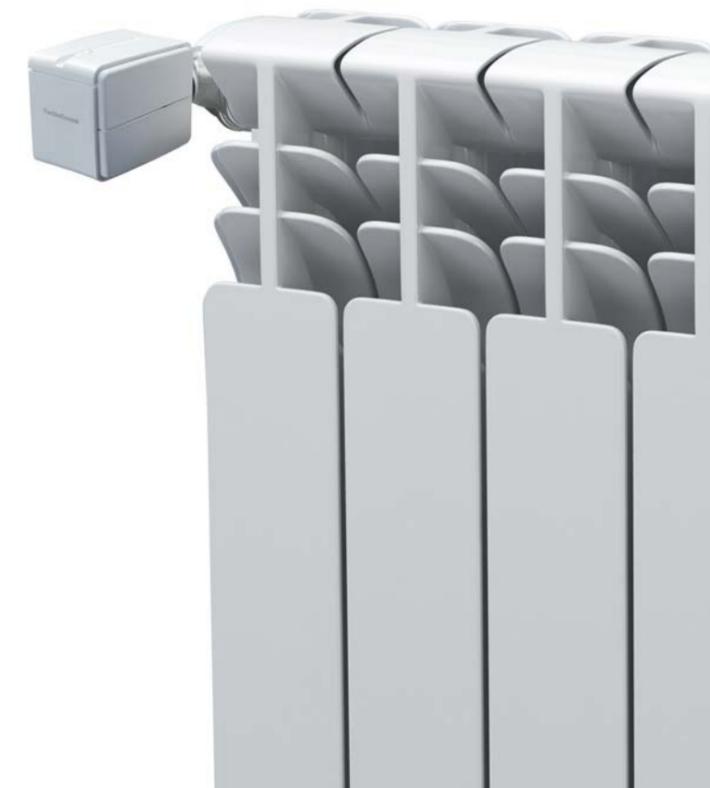
With Intellicomfort+ you can monitor the energy consumption log directly on the programmable thermostat through a daily, monthly and yearly report of the real-time system use.



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.

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.



23°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.



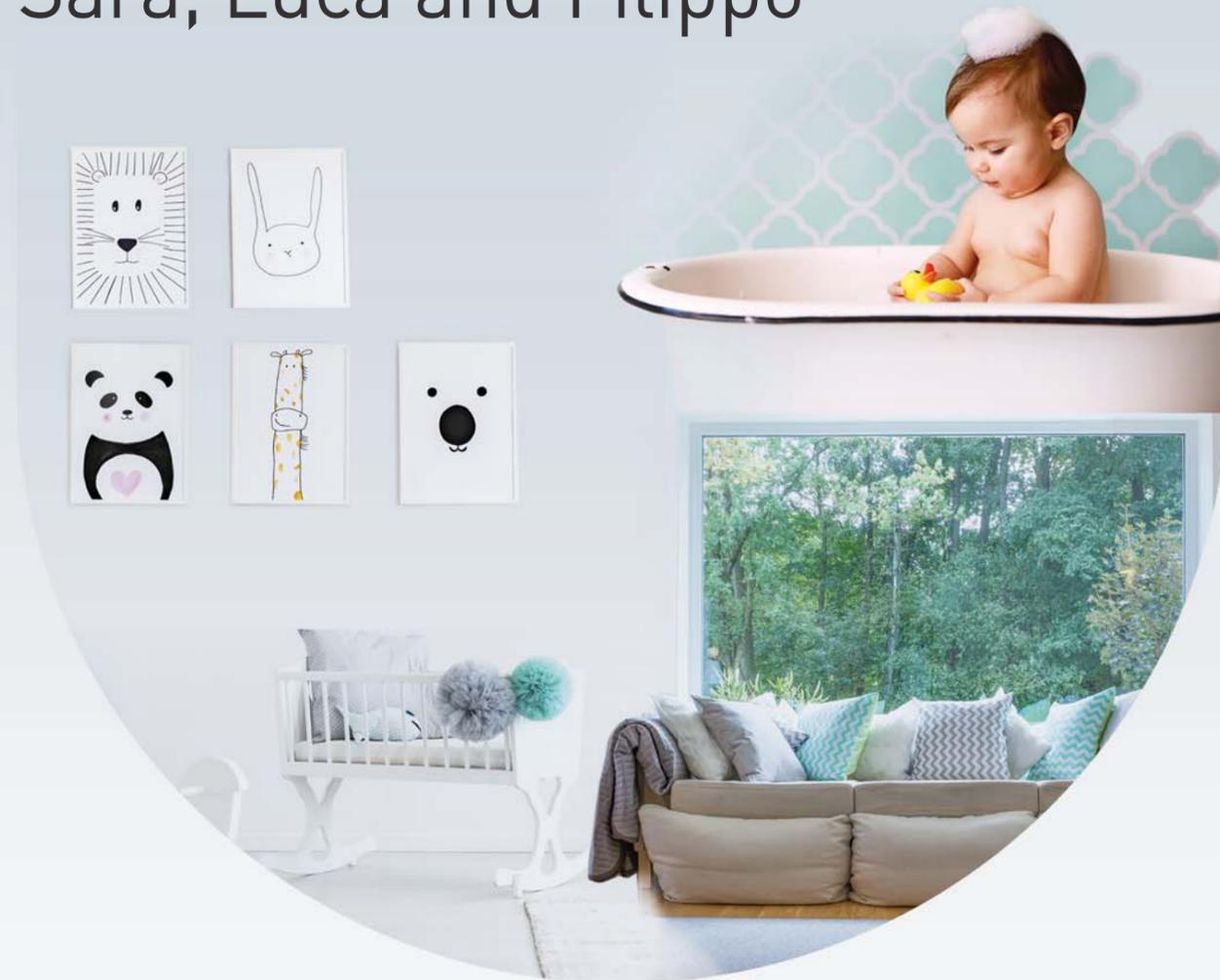
19°C Bedroom

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

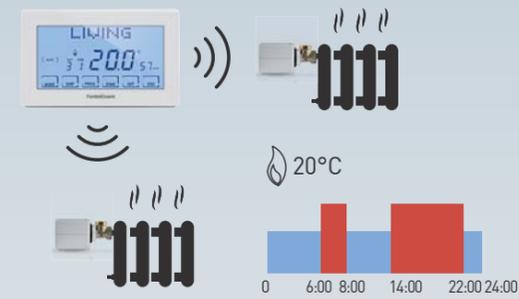


COMFORT FOR EVERY NEED

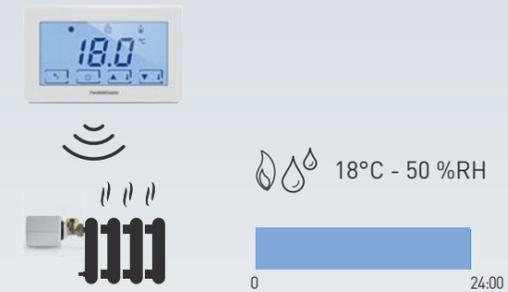
Sara, Luca and Filippo



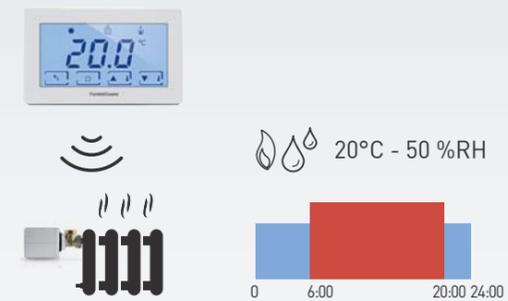
Living



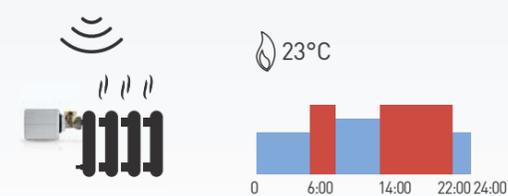
Bedroom



Filippo's bedroom



Bathroom



For a family living in a block of flats with a central heating system, an independent ambient temperature control becomes possible with Intellicomfort+.

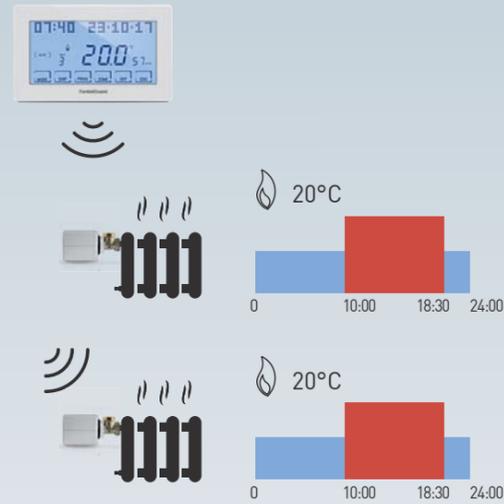
For example, Sara and Luca can easily set different temperatures in each room, and program a higher temperature in the bathroom to ensure little Filippo a warm and comfortable environment.

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.



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.

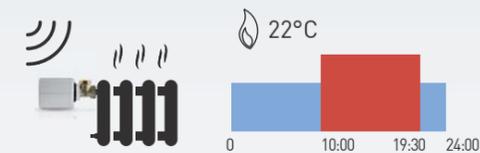
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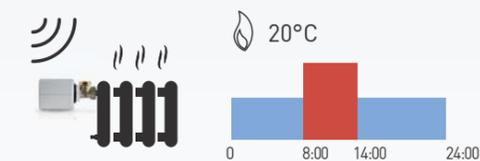
Andrea's office



Laura's office



Marco's office



Andrea, Laura and Marco

Anna and Paolo



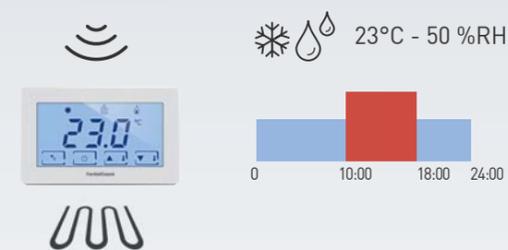
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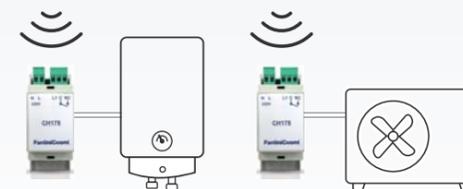
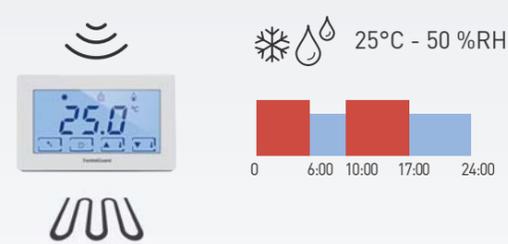
Kitchen



Bedroom



Bathroom



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.

THE SYSTEM COMPONENTS

Weekly wireless touch screen programmable thermostat



ErP Class VIII; 5% (Reg. EU 811/2013 - 813/2013)

- 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;
- 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	MOUNTING	TEMPERATURE RANGE	CONTACT RATING
CH180RF	2 batteries AA 1,5V	wall	2 ÷ 40 °C	5(3)A 250VCA

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

Wireless radiator actuator



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

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.

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

System configurator



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

1590880

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

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

1 relay wireless actuator



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

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.

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



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