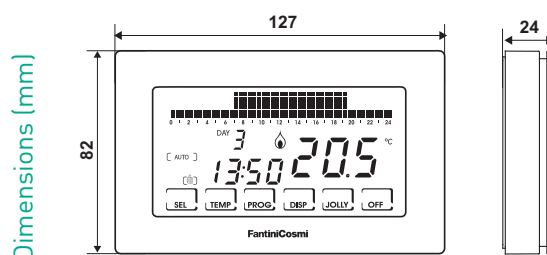


Intellicomfort CH180

Weekly programmable thermostat touch screen, with batteries

Electronic programmable thermostat with microprocessor, white positive backlight LCD touch screen, and weekly program to control the heating and air-conditioning systems.



	Temperature range	Preset differential*	Displayed temperature	Adjustable antifreeze temperature range	Power supply	Contact rating
CH180	2 ÷ 40 °C	0,3 K	-35 ÷ 50 °C	0 ÷ 7 °C	2 batteries AA 1,5V	5(3)A 250Vac

* Differential values are related to a thermal gradient of 4K/h

ELECTRICAL CHARACTERISTICS

Power supply without connection to the electric circuit with two 1,5 V AA alkaline batteries

Insulation class: II

Pulse voltage: 4000V

Connection: 3 screw terminals (contact switching NC and NO)

Type of action: 1BU (micro disconnection)

Software: A class

HOMOLOGATION AND STANDARDS

Complies with EN 60730-2-9 standards.

ErP Class IV; 2% (Reg. EU 811/2013 - 813/2013)

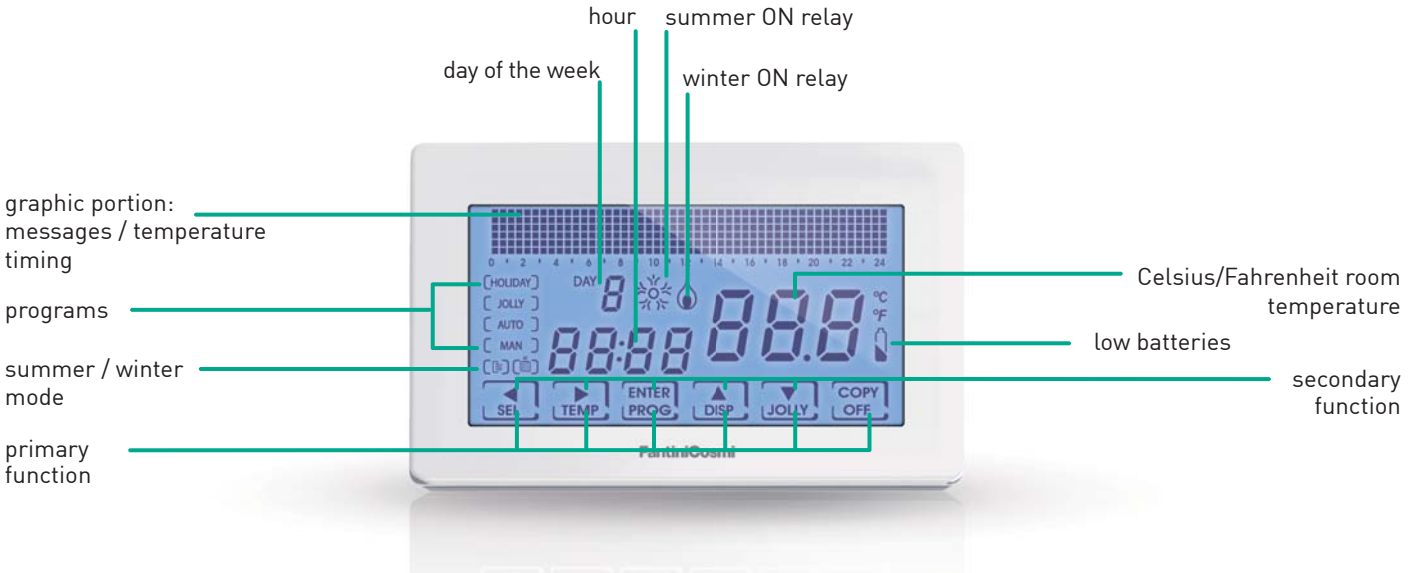


INSTALLATION

Intellicomfort CH180 has to be installed on the wall or in a 3 modules or round flush mounting box, at about 1,5 meters above the floor.

OPERATION

Intellicomfort CH180 has 6 touch-keys, which function depends on the situation and is described by the symbol that appears on the display.



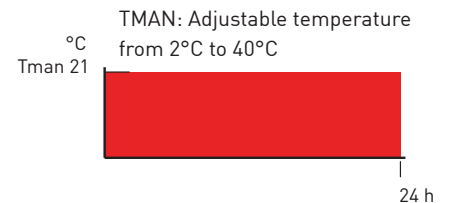
OPERATION MODES

Intellicomfort CH180 programmable thermostat allows different modes of use, called programs:

- MAN Manual program
- AUTO Weekly program
- HOLIDAY Daily program
- JOLLY Temporary program
- OFF Switched off system or antifreeze program

MAN

Intellicomfort CH180 programmable thermostat adjust the room temperature using the temperature set in 24 hours.



AUTO

Intellicomfort CH180 programmable thermostat manages the set temperatures according to the time programs on the weekly profile. It is provided with 1 preset winter program and 1 preset summer program.

In the Auto mode it is possible to set 3 temperature levels (T1-T2-T3).

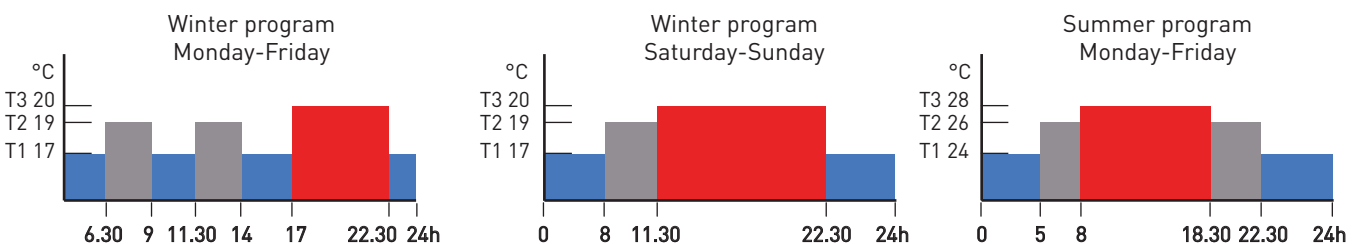
T1 can be set from 2°C to 40°C

T2 can be set from 2°C to 40°C

T3 can be set from 2°C to 40°C

Ta antifreeze temperature can be set from 2°C to 7°C

Note: T3 cannot be lower than T2 and T2 cannot be lower than T1.



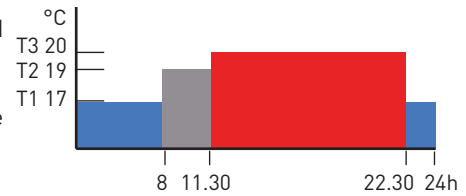
HOLIDAY

Intellicomfort CH180 programmable thermostat follows the timing and temperatures set in the "HOLIDAY" day.

Such program ends exclusively when another profile is selected.

The programmable thermostat is provided with a preset Holiday program same as Saturday and Sunday.

In the Auto mode it is possible to set 3 temperature levels (T1-T2-T3).



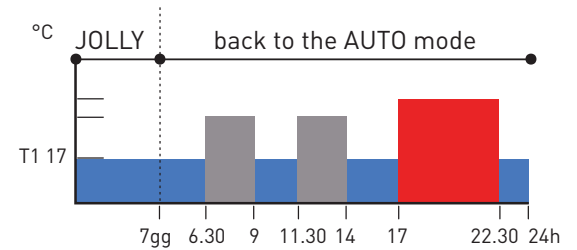
JOLLY

Intellicomfort CH180 programmable thermostat manage the system using 1 temperature that can be set on a variable period between 1 and 240 hours.

When such period finishes, the programmable thermostat resume the operation mode used before. Such operation can be excluded at anytime setting a different operation mode.

EXAMPLE: Auto Mode – Jolly for 1 week – When the Jolly period finishes, the programmable thermostat resume the Auto mode.

TJ: manual temperature can be set from 2°C to 40°C.



OFF

Operation mode to manage the antifreeze temperature from 2°C to 7°C.

It switches the system off completely (Ta=OFF).

SPECIAL FUNCTIONS

These functions are selected accessing the technical menu of the programmable thermostat.

FREQUENT SETTINGS MENU

- Summer / Winter
- Summer time / Standard time
- Time / Day setting
- Lock function for screen cleaning.

CONFIGURATION MENU

- Celsius / Fahrenheit
- Temperature correction
- Time profile customization
- Backlight customizable in intensity and duration
- 4 languages: Italian, English, French and Spanish
- Lock function with PIN code to prevent unauthorized setting changes.
- Default settings reset

CHARACTERISTICS

LCD display: graphic, 7-segment symbols and digits.

LED, back timed lighting (white) display.

Possibility to visualize Celsius or Fahrenheit temperature values

Protection degree: IP20

Minimum differential: $\pm 0,1K$.

Thermal gradient: 4K/h.

Maximum ambient temperature: 45 °C

Auxiliary relay output (free voltage contacts) programmable by user (external probe or alarm management)

FANTINI COSMI SYSTEM

Separate probe
2-wire connection



EC18 External probe



EC19 Floor probe



EC20 Ambient probe