



# INTELLICOMFORT CH180WIFI

## TOUCHSCREEN PROGRAMMABLE THERMOSTAT WITH WIFI CONNECTION FOR REMOTE CONTROL

- Weekly program
- To control the heating or cooling systems
- Remote control through APP Intelliclima+ for Smartphone and Tablet



Temperature regulation range	2 ÷ 40 °C, increment 0.1°C
Power supply	230V 50Hz
Contacts rating	5(3)A 250 Vac
WiFi connection	2.4 GHz (802.11 b/g/n)
Adjustable differential	0.3 ÷ 5 K
Thermal gradient	4 K/h

### INSTALLATION

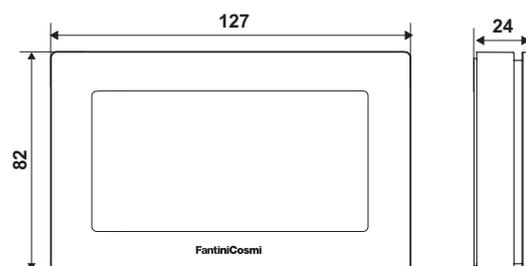
- CH180WIFI has to be installed on the wall or in a 3 modules or round flush mounting box, at about 1.5 meters above the floor.

### HOMOLOGATION AND STANDARD

- Complies with EN 60730-1 standards;
- Responding to Directive 2014/53 / EU (RED).
- ErP Class IV; 2% (Reg. EU 811/2013 - 813/2013);



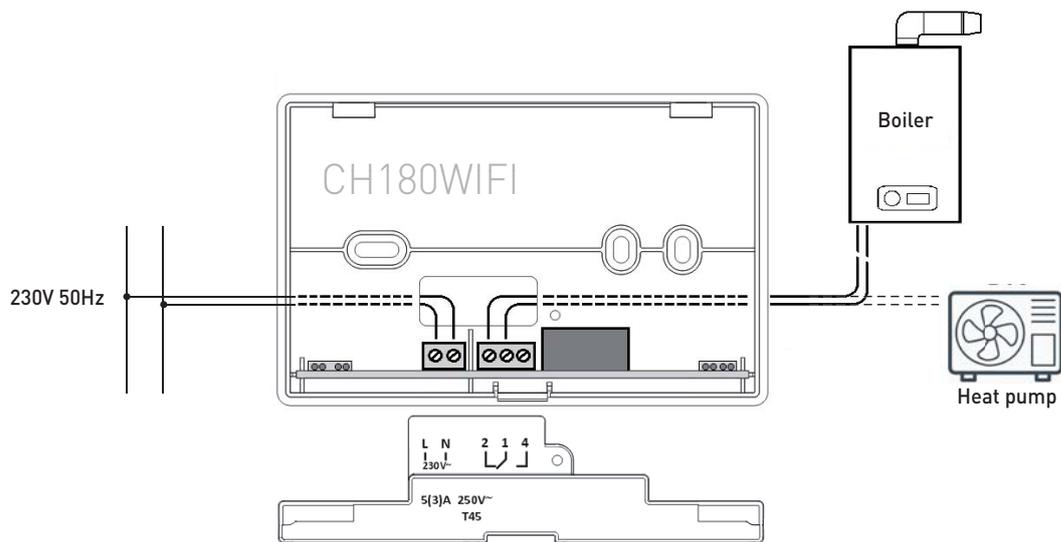
### DIMENSIONS mm



## ELECTRIC FEATURES

Power supply	230V-50Hz
Maximum absorbed power	5 W
Contacts rating	5(3)A 250 Vac
Type of action	1 B.U. (connection micro-switch)
Output type	<ul style="list-style-type: none"> <li>1 relay for heating and cooling systems (3 screw clamps (closed + open))</li> </ul>
Software	Class A
Electric insulation	Double insulation
Pulse voltage	4000V

### ■ ELECTRICAL CONNECTION

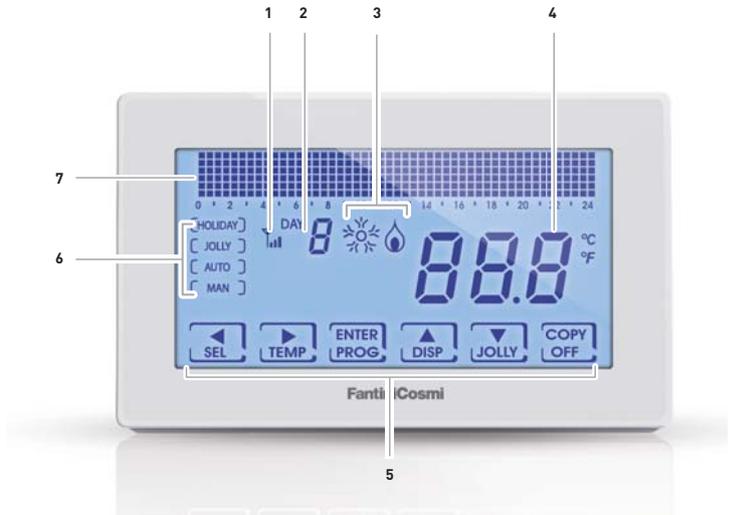


**GENERAL FEATURES**

Temperature regulation scale	2 ÷ 40 °C, increment 0.1°C
Measurement scale/room T display	- 50 ÷ + 50 °C
Differential	0.3 ÷ 5 K
Thermal gradient	4 K/h
Maximum room temperature	45°C
WiFi connection	2.4 GHz (802.11 b/g/n)
Router communication port	1080
Maximum radio frequency power transmitted	<10mW
Managements	<ul style="list-style-type: none"> <li>■ Heating and cooling</li> <li>■ Summer time / Standard time</li> <li>■ Remote change over (only with APP)</li> <li>■ Summer / Winter</li> </ul>
Viewing of energy consumption	
Storage temperature	-10°C ÷ +60°C
Protection degree	IP40
Pollution degree	2
Display	Italian, English, French, Spanish, German, Russian
Screen lock	With password

## OPERATION

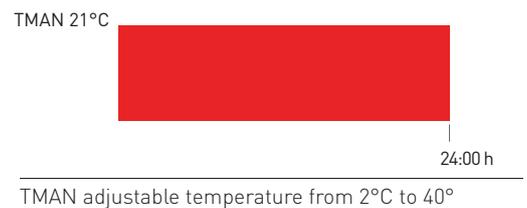
- CH180WIFI is a weekly programmable thermostat with possibility to remote control from smartphone/tablet with APP "Intellliclima+".
- Equipped with a temperature sensor with two output relays on board, it simultaneously manages heating and cooling systems.
- A simple and intuitive graph shows energy consumption directly on the white positive backlight LCD of the programmable thermostat.
- CH180WIFI is provided with 6 keys and their functions change according to the displayed description correspondent to each key.
- CH180WIFI 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



1	Antenna
2	Day of the week
3	Activation status: heating / cooling
4	Celsius/Fahrenheit room temperature
5	Multifunctional touch icons
6	Operating mode
7	Graphic portion: messages / temperature timing

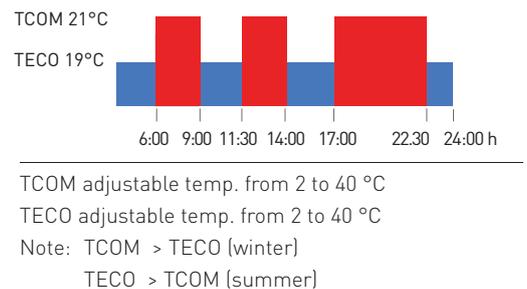
### [ MAN ]

- MANUAL PROGRAM  
The programmable thermostat adjust the room temperature using the temperature set in 24 hours.



### [AUTO]

- AUTO - WEEKLY PROGRAM  
Il CH180WIFI programmable thermostat manages the set temperatures according to the time programs on the weekly profile. It is provided with preset winter programs and preset summer programs.  
In the AUTO mode it is possible to set 2 temperature levels TCOM e TECO (comfort temperature and economy temperature).

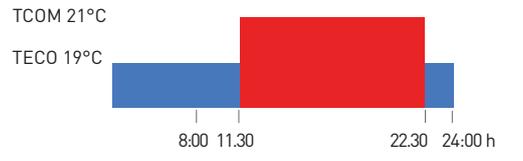


**[ HOLIDAY ]**

■ HOLIDAY - SPECIAL DAILY PROGRAM

If you stay at home on a public holiday, you can set an extra daily profile ("H"). This mode stops when it is selected another operating mode.

In the HOLIDAY mode it is possible to set 2 temperature levels TCOM e TECO (comfort temperature and economy temperature).



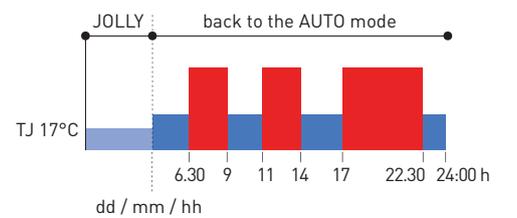
TCOM adjustable temp. from 2 to 40 °C  
 TECO adjustable temp. from 2 to 40 °C  
 Note: TCOM > TECO (winter)  
 TECO > TCOM (summer)

**[JOLLY]**

■ JOLLY - TEMPORARY PROGRAM

The weekly programmable thermostat manages the system using 1 set temperature over a variable period of time (sets the time and day to which the set temperature is to be kept\*). At the end of the set time, the programmable thermostat returns to the previously used operation mode.

This function can be excluded at any time by setting a different operation mode.



TJ adjustable temp. from 2°C to 40°C  
 \* 90 days maximum and 30 minutes resolution

■ OFF - SWITCHED OFF SYSTEM OR ANTIFREEZE PROGRAM

The selected system is switched off. During WINTER mode keeps the temperature antifreeze.



TA antifreeze adjustable temp from 2 to 7 °C

## REMOTE PROGRAMMING THROUGH APP

With the Intelleclima+ APP, from a smartphone or tablet, is possible to:

- 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;

### ■ EXAMPLE OF INFORMATIONS FOR HEATING SYSTEM



The Intelleclima+ APP is available for free on:





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