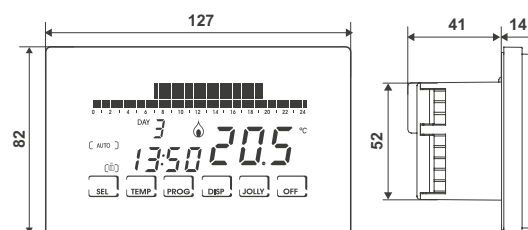# Intellitouch CH193MB

Weekly programmable thermostat, ultraflat and touch screen, MiA Bus

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

Dimensions (mm)

	Temperature regulation range	Prescribed differential*	Displayed temperature range	Adjustable antifreeze temperature range	Power supply from MiA Bus	Contacts rating
CH193MB	2 ÷ 40 °C	0,3 K	-35 ÷ 50 °C	2 ÷ 7 °C	24Vcc 50mA	5(3)A 250Vac

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

FEATURES

Power supply 24Vcc 50mA from MiA Bus
Protection degree: IP20
Pollution degree: 2
Pulse voltage: 4000V
Connection: 3 screw terminals (contact switching NC and NO).
Type of action: 1BU (micro disconnection)
ON / OFF boiler control (settable from the main menu).
Acoustic signals: buzzer feedback with key pressing.
Perpetual clock calendar with backup battery
Software Class A.
Minimum differential: ±0,1K.
Thermal gradient: 4K/h.
Maximum ambient temperature: 45 °C

HOMOLOGATION AND STANDARDS

Complies with EN 60730-1 standards
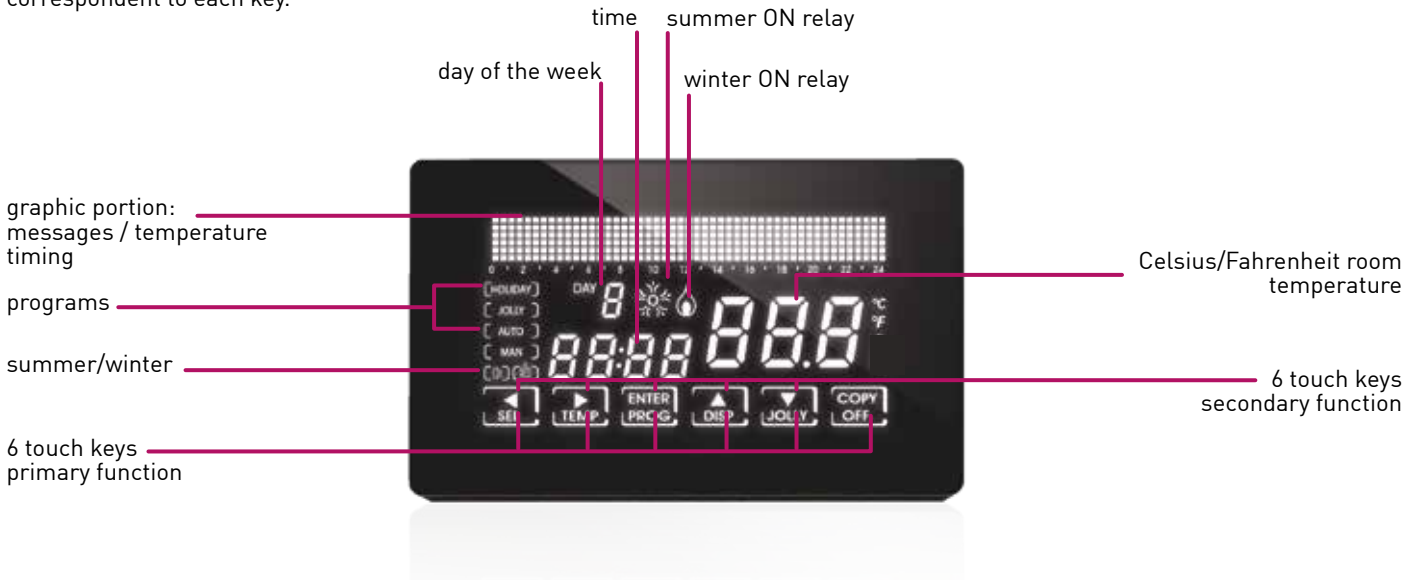ErP Class IV; 2% (Reg. EU 811/2013 - 813/2013)

CE EHC

INSTALLATION

Flush-mounting installation in 3-module 503 embedded boxes at a height of approximately 1.5 m above the floor.

OPERATION

Intellitouch programmable thermostat is provided with 6 keys and their functions change according to the displayed description correspondent to each key.

Labels on the display diagram:
- day of the week
- time
- summer ON relay
- winter ON relay
- graphic portion: messages / temperature timing
- programs
- summer/winter
- 6 touch keys primary function
- Celsius/Fahrenheit room temperature
- 6 touch keys secondary function

OPERATION MODES

Intellitouch 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

The programmable thermostat regulates the room temperature using the set temperature within 24 hours.
T1: The temperature set manually from 2 to 40°C.

AUTO

The programmable thermostat regulates the prescribed temperatures according to the schedules on weekly profile.
It has 1 winter program and 1 summer program (prescribed).
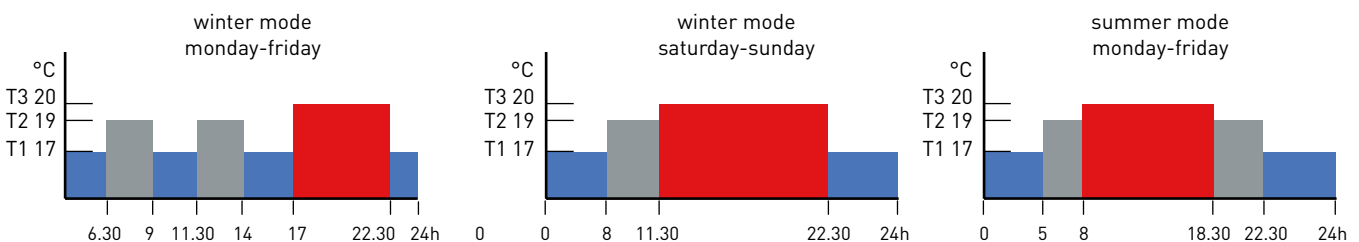In automatic mode can be set three temperature levels T1-T2-T3:
T1 can be set from 2 to 40 °C.
T2 can be set from 2 to 40 °C.
T3 can be set from 2 to 40 °C.
Antifreeze temperature -Ta it is set from 2 to 7 °C.
Note: T3 cannot be less than T2 and T2 cannot be less than T1.

winter mode monday-friday

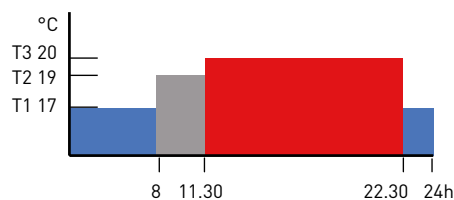winter mode saturday-sunday

summer mode monday-friday

HOLIDAY

The programmable thermostat follows time and temperature settings of the day "H".

This mode stops when it is selected another operating mode. The programmable thermostat has a predefined mode - Holiday, equal to Saturday and Sunday.

In Holiday mode can be set three temperature levels T1-T2-T3.
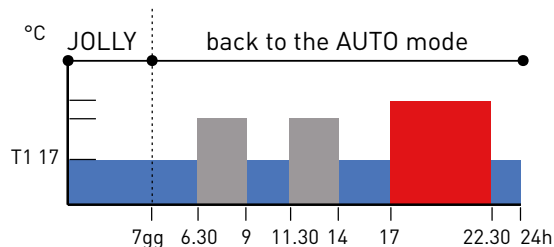
JOLLY

The programmable thermostat controls the installation using a set temperature over a period of time ranging from 1 hour to 240 hours.

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.

Example: Automatic Mode - Jolly for 1 week - the programmable thermostat completes the period of Jolly and resumes the automatic mode.

T1: The temperature set manually from 2 to 40°C.

OFF (turned OFF)

This mode is used to manage system operation for maintaining the antifreeze temperature, set from 2 to 7°C.

Complete turn-OFF of the system 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 costumizable in intensity and duration
- 4 languages: Italian, English, French and Spanish
- Lock function with PIN code to prevent unauthorized setting changes.
- Default settings reset

FANTINI COSMI SYSTEM

Separate probe
2-wire connection

EC18 External probe

EC19 Floor probe

EC20 Ambient probe