

Intellitherm C51A-C53A

Flushmounting weekly chronothermostats, 2 temperature levels, with batteries and supplied at 230V-50Hz

Electronic chronothermostats with microprocessor, with weekly programming, to control heating and air-conditioning installations.



	COMFORT and ECONOMY regulation range °C	Body admissible temperature °C	Differential* K	Preset antifreeze temperature °C	Power supply	Contacts rating
C51A	■ 2 ÷ 62	- 10 ÷ 50	0,25	5	2 batteries AA	5(3)A-250Vca
C53A	■ 2 ÷ 62	- 10 ÷ 50	0,25	5	230V-50Hz	5(3)A-250Vca

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

- C51A ANTHRACITE
- C51AB WHITE
- C53A ANTHRACITE
- C53AB WHITE



ELECTRICAL CHARACTERISTICS

C51A - Power supply without connection to the electric circuit with two 1,5 V AA alkaline batteries.

C53A - Power supply from the electric circuit 230V-50Hz.

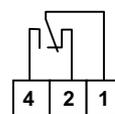
Contacts rating: 5(3)A 250Vca.

Software class A.

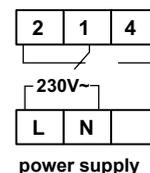
Micro disconnection (1BU).

Voltage-free switching contact.

Intellitherm C51A



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HOMOLOGATION AND STANDARDS

In conformity with EN 60730-2-9 standards.

INSTALLATION

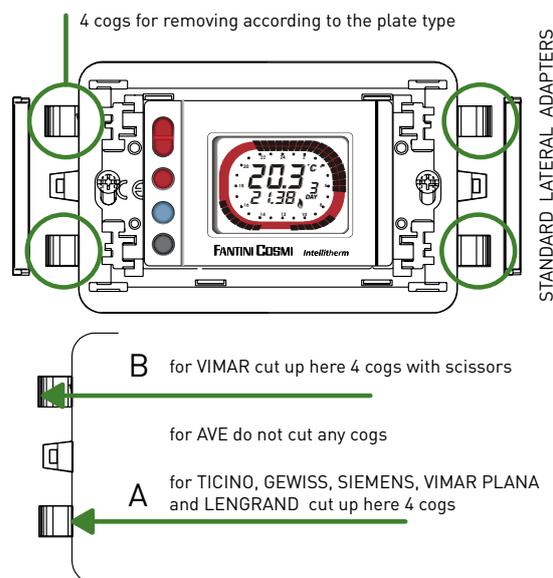
Flush mounting in 3-module 503 embedded boxes by means of 2 screws (supplied).

Two-wire connection with the user.

Install the chronothermostat at 1,5 meters above the floor, away from kitchens, heat sources, windows and doors.

Can be applied, without any connection accessory, the following plates:

COMPATIBLE PLATES	LATERAL ADAPTERS	POSITION 4 COGS FOR MOVING AWAY
BTICINO Living International, Living di transizione	NO	A
BTICINO Light, Light Tech	NO	A
BTICINO Axolute	on frame	A
VIMAR Idea and Rondò	lateral	B
VIMAR Plana, Eikon	NO	A
GEWISS Playbus and Playbus Young	lateral	A
AVE sistema 45, Noir, Blanc	lateral	none
AVE Banquise, Ave Yes	lateral	none
Siemens Delta Futura Graphit	lateral	A
Legrand Cross	NO	A



OPERATION

After C51A/C53A has been installed and connected, move up the sliding display to access the programming commands.

With Intellicomfort C51A is possible to extract chronothermostat's body from the frame after mounting and connections, this for doing more easily the adjusting or programming with the device in hand.

With IntelliComfort C53A isn't possible to extract chronothermostat's body.

The chronothermostat has:

- 2 colored buttons, a red one and another blue for COMFORT and ECONOMY temperatures adjustment.
- 1 cursor for choosing the operation mode: AUTOMATIC, COMFORT, ECONOMY, ANTIFREEZE.
- 1 cursor for choosing operation type: SUMMER or WINTER and for accessing the programming.
- 2 keys for current time setting.
- 3 keys (red-blue-black) to select between COMFORT, ECONOMY and ANTIFREEZE periods.
- 1 RESET button to reset the prescribed program.
- 1 key for copying the program to the next day.
- 1 key for passing to the next day without copying the program.
- 1 key to select ANTIFREEZE mode at 5°C or OFF (ON at 0°C).



VISUALIZATION

- Ambient temperature
- Current time
- Current day
- Circular crown that represents a 24-hour format clock, is divided in 48 sectors (red, black, red and black): red color indicates COMFORT period; black indicates ANTIFREEZE period; red-black indicates the ECONOMY period.
- Possibility to visualize the statistical data of the installation: operation hours of the previous day and functioning beginning of Intellitherm C51A-C53A, previous day minimum and maximum temperature and time when it was measured.

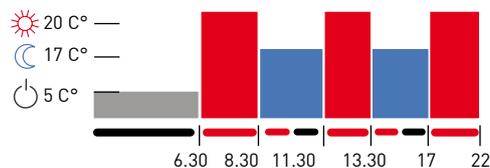
OPERATION MODES

A ready weekly program:

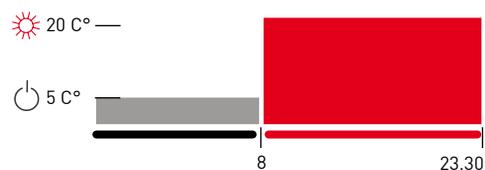
- AUTOMATIC PRESET customizable
- 3 operation modes:
 -  COMFORT keeps constant throughout the day and night the prescribed comfort temperature.
 -  ECONOMY keeps constant throughout the day and night the prescribed economy temperature.
 -  ANTIFREEZE keeps the ambient temperature fixed in 5°C to protect the system from frost danger.

STANDARD AUTOMATIC PROGRAMS WITH THE TIME AND TEMPERATURE ALREADY PROGRAMMED IN THE FACTORY

from Monday DAY 1 to Friday DAY 5



from Saturday DAY 6 to Sunday DAY 7



- Personalized programming without intervention limits, even every half hour.
- Three temperatures, programmable as COMFORT and ECONOMY, and fixed as ANTIFREEZE (preset at 5°C).
- JOLLY function to exclude temporarily the automatic program, for obtaining continuously from 1 to 240 hours always the desired temperature (comfort, economy, OFF).
- COPY function for copying the program to the next day.
- DAY function for passing to the next day without copying the program.

FEATURES

Large sliding display to access the adjustment and programming commands.

Display flashing in case of low batteries charge.

Maintenance of all data during batteries replacement.

Reset button to restore the preset program.

Availability of statistical data in the system.

Software class A.

double insulation.

OFF with frost protection possibility (5 ° C), set using dip switch.

Protection degree IP20.

FANTINI COSMI SYSTEM

CT3M/CT3MA - GSM PHONE ACTIVATOR

Intellitherm C51A-C53A is designed to be connected to the mobile line GSM phone activator Telecomfort CT3M/CT3MA. Telecomfort CT3M/CT3MA allows chronothermostat's remote control via SMS messages. It also allows the remote verification of the ambient temperature and the correct functioning of the chronothermostat.

CHRONOTHERMOSTAT



INTERFACE CTI5X



TELECOMFORT CT3M (see page 92)



EXAMPLE OF INFORMATION FROM THE HEATING SYSTEM

SMS for
sending
#STATUS

SMS answer
Ambient: 25.5
Economy: 17.0
Comfort: 21.0
Input1: OFF
Output: OFF
Program: OFF
Remote: Auto 1



Ambient temperature
Set economy temperature
Set comfort temperature
Alarm input status
Output relay status (connected to the user)
In use program, set
In use program, set via SMS (remotely)