Intellitherm C51AT
Flush mounting weekly chronothermostat with non-jutting display, with batteries

Electronic chronothermostat with microprocessor, with weekly programming, to control heating and air-conditioning installations. Intellitherm C51AT chronothermostat's body differs from Intellitherm C51A, as it is in line with the applied frame (non-jutting display); therefore, do not exist any unit projection.

	COMFORT and ECONOMY regulation range °C	Body admissible temperature °C	Differential* K	Preset antifreeze temperature °C	Power supply	Contacts rating
C51AT ■	2 ÷ 62	– 10 ÷ 50	0,25	5	2 batteries AAA	5(3)A-250Vca

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

■ C51AT ANTHRACITE
□ C51ABT WHITE
▨ C51ACT SILVER
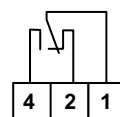

ELECTRICAL CHARACTERISTICS

Contacts rating: 5(3)A 250Vca.
Power supply without connection to the electric circuit with two 1,5 V AAA alkaline batteries.
Software class A.
Micro disconnection (1BU).
Voltage-free switching contact.

HOMOLOGATION AND STANDARDS

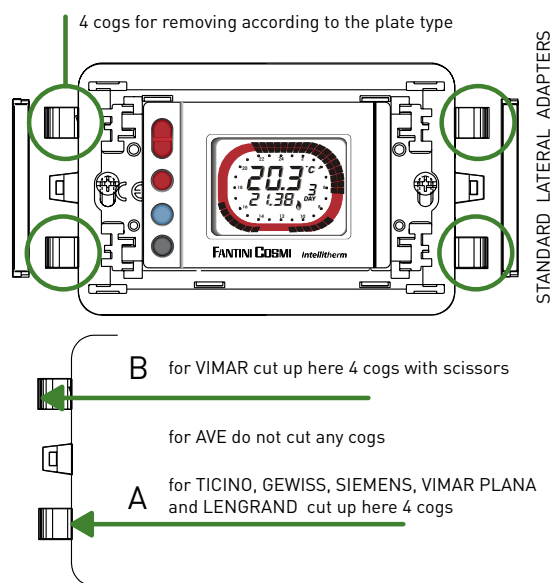In conformity with EN 60730-2-9 standards.

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:

4 cogs for removing according to the plate type

STANDARD LATERAL ADAPTERS

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

B   for VIMAR cut up here 4 cogs with scissors

for AVE do not cut any cogs

A   for TICINO, GEWISS, SIEMENS, VIMAR PLANA and LENGRAND cut up here 4 cogs

OPERATION

After C51AT has been installed and connected, press to release the body of the chronothermostat, move up the sliding display to access the programming commands.
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 C51AT, previous day minimum and maximum temperature and time when it was measured.
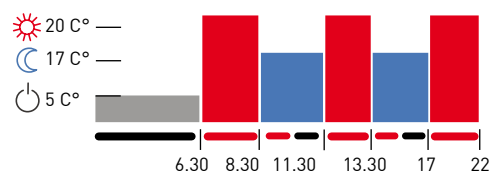
OPERATION MODES

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.

- 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.

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

from Monday DAY 1 to Friday DAY 5

☀ 20 C° —
☾ 17 C° —
⏻ 5 C°

6.30 8.30 11.30 13.30 17 22

from Saturday DAY 6 to Sunday DAY 7

☀ 20 C° —
⏻ 5 C°

8   23.30

FEATURES

Sliding display to access the adjustment and programming commands.
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Display flashing in case of low batteries charge.
Maintenance of all data during batteries replacement.
Availability of statistical data in the system.
Software class A.
▣ double insulation.
Protection degree IP20.
Reference thermal gradient 4°K/h.
OFF with frost protection possibility (5 ° C), set using dip switch.