Intellitherm C52A-C54A

Flush mounting daily chronothermostats, 2 temperature levels, with batteries and supplied at 230V-50Hz

Electronic chronothermostats with microprocessor, with daily 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
C52A	■	2 ÷ 62	– 10 ÷ 50	0,25	5	2 batteries AA	5(3)A-250Vca
C54A	■	2 ÷ 62	– 10 ÷ 50	0,25	5	230V-50Hz	5(3)A-250Vca

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

■ C52A ANTHRACITE
□ C52AB WHITE
■ C54A ANTHRACITE
□ C54AB WHITE

ELECTRICAL CHARACTERISTICS

C52A: Power supply without connection to the electric circuit with two 1,5 V AA alkaline batteries.
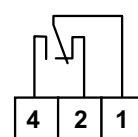C54A: Power supply from the electric circuit 230Vca 50Hz.
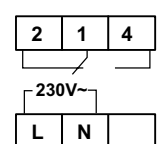Contacts rating: 5(3)A 250Vca.
Software class A.
Micro disconnection (1BU).
Voltage-free switching contact.

Intellitherm C52A

4 2 1

Intellitherm C54A

2 1 4

230V~

L N

power supply

HOMOLOGATION AND STANDARDS

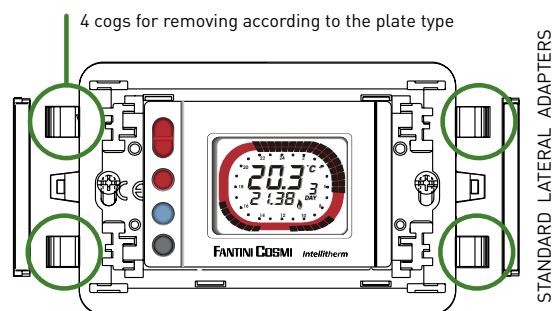In conformity with EN 60730-2-9 standards.

INSTALLATION

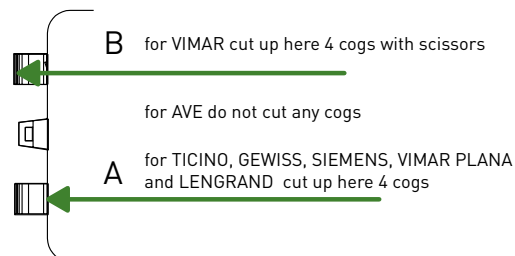Flush mounting in 3-module 503 embedded boxes by means of 2 screws (supplied).
Two-wire connection with the user.
Install the chronothermostat at 1,5 meters above the floor, away from kitchens, heat sources, windows and doors.
Can be applied, without any connection accessory, the following plates:

4 cogs for removing according to the plate type

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

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 C52A/C54A has been installed and connected, move up the sliding display to access the programming commands.
With Intellicomfort C52A 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 C54A 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: AUTO 1, AUTO 2, 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 to select ANTIFREEZE mode at 5°C or OFF (ON at 0°C).

VISUALIZATION

- Ambient temperature
- Current time
- 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 C52A-C54A, previous day minimum and maximum temperature and time when it was measured.

OPERATION MODES

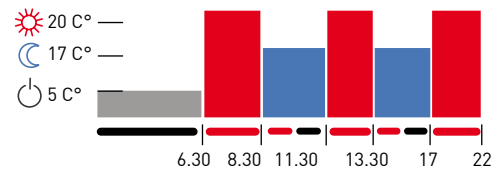Two prescribed automatic programs:
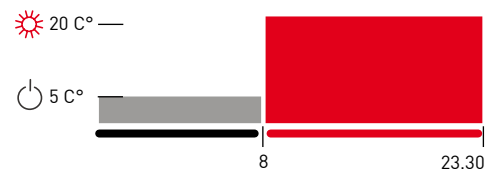
■ AUTO 1 and AUTO 2.

■ 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

AUTO 1

AUTO 2

■ Personalized programming without intervention limits, even every half hour.

■ COMFORT, ECONOMY and ANTIFREEZE (OFF) temperatures, freely programmable within twenty-four hours.

■ JOLLY function to exclude temporarily the automatic program, for obtaining continuously from 1 to 240 hours always the desired temperature (comfort, economy, OFF).

■ SUMMER-WINTER switch for heating and air-conditioning systems.

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 C52A-C54A 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)

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EXAMPLE OF INFORMATION FROM THE HEATING SYSTEM

SMS for sending #STATUS	SMS answer	
	Ambient: 25.5	Ambient temperature
	Economy: 17.0	Set economy temperature
	Comfort: 21.0	Set comfort temperature
	Input1: OFF	Alarm input status
	Output: OFF	Output relay status (connected to the user)
	Program: OFF	In use program, set
	Remote: Auto 1	In use program, set via SMS (remotely)