

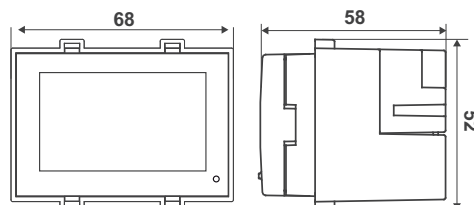
# CH121TS-CH123TS

Flush mounting touchscreen thermostat, with batteries or power supply at 230V-50Hz

Thermostat with microprocessor to control heating and air-conditioning installations.



Dimensions (mm)



|         | Temperature regulation range | Prescribed differential* | Temperature displayed range | Adjustable antifreeze temperature range | Power supply         | Contacts rating |
|---------|------------------------------|--------------------------|-----------------------------|---|----------------------|-----------------|
| CH121TS | 2 ÷ 40 °C                    | 0,25 K                   | -40 ÷ 50 °C                 | 0 ÷ 7 °C                                | 2 batteries AAA 1,5V | 5(3)A 250Vac    |
| CH123TS | 2 ÷ 40 °C                    | 0,25 K                   | -40 ÷ 50 °C                 | 0 ÷ 7 °C                                | 230V 50Hz            | 5(3)A 250Vac    |

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



## “MULTIPLATE” KIT

Suitable for all the plates (3 module) thanks to the KIT consisting of: programmable thermostat, coloured plates(white, silver and anthracite), frames and adaptors

## ELECTRICAL FEATURES

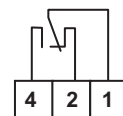
Contacts rating: 5(3)A 250Vac.

Power supply without connection to the electric circuit with two 1,5 V AAA alkaline batteries for CH121.

Power supply from the electric circuit - 230V-50Hz for CH123.

Micro disconnection (1BU).

Voltage-free switching contact.



## HOMOLOGATION AND STANDARDS

Complies with EN 60730-2-9 standards.

ErP: ErP Class IV; 2% (Reg. EU 811/2013 -813/2013)



# INSTALLATION

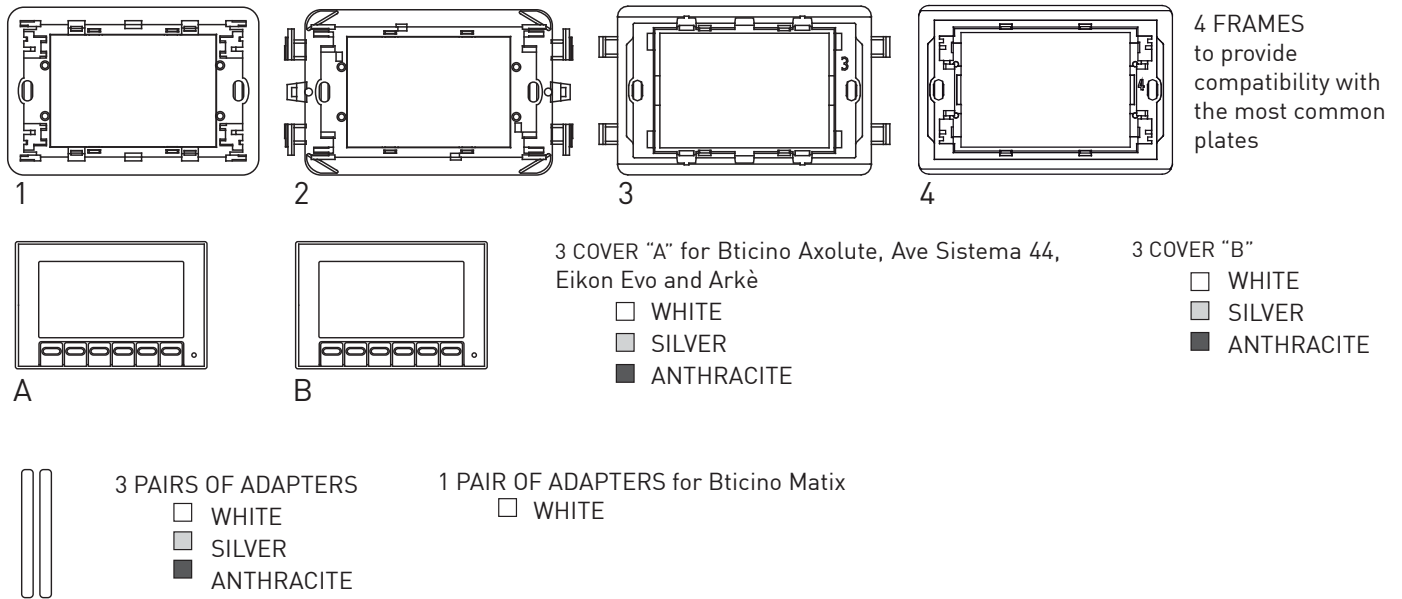
Flush-mounting in 3-module 503 embedded boxes by means of 2 screws (supplied).

Two-wire connection with the user.

Install the thermostat 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:

## INCLUDED IN THE PACKAGE:



## COMPATIBLE PLATES

| MODELS   | COVER TYPE | FRAME TYPE | LATERAL ADAPTERS |
|--|------------|------------|------------------|
| Bticino Living International and Transizione Piana | B          | 1          | NO               |
| Bticino Living Light Air                           | B          | 3          | NO               |
| Bticino Light, Light tech                          | B          | 1          | NO               |
| Bticino Axolute                                    | A          | 1          | NO               |
| Bticino Axolue Air                                 | A          | 4          | NO               |
| Bticino Matix                                      | B          | 2          | YES (included)   |
| Vimar Idea e Rondò                                 | B          | 2          | YES              |
| Vimar Plana e Eikon                                | B          | 1          | NO               |
| Vimar Eikon Evo                                    | A          | 3          | NO               |
| Vimar Arkè   | A          | 3          | NO               |
| Gewiss Chorus One, Lux, Art                        | B          | 2          | NO               |
| Ave sistema 45: Zama, Banquise, Yes, Ral           | B          | 2          | YES              |
| Ave sistema 44: Zama, Personal, Tecnopolimero      | A          | 1          | NO               |
| Legrand Cross, Vela quadra, Vela tonda             | B          | 2          | NO               |
| ABB Elos   | B          | 4          | YES              |
| ABB Mylos  | B          | 4          | NO               |

## OPERATION

With CH121TS is possible to extract thermostat's body from the frame after mounting and connections, this for doing more easily the adjusting or programming with the device in hand.

With CH123TS isn't possible to extract thermostat's body.

The thermostat has:

- 4 front keys to access directly the operating modes that can be changed by pressing the corresponding key.

### VISUALIZATION

- Ambient temperature
- 4 icons for programming



When the temperature increases: 1-2 opens and close 1-4

3 operation modes:

- COMFORT
- ECONOMY
- OFF

OFF operation mode can be used as "antifreeze" mode or to shutdown completely the system (OFF).

3 set temperatures:

- COMFORT
- ECONOMY
- OFF

COMFORT operates system's comfort temperature that can be set from 2°C to 40°C.

ECONOMY operates system's economy temperature that can be set from 2°C to 40°C.

OFF temperature set in the "regulation" mode from 0 to 7°C to ensure frost protection function..

SUMMER-WINTER control

Possibility to connect a high or low limit temperature probe.

## FEATURES

The packaging includes:

- 4 frames to provide compatibility with the most common plates
- 3 coloured covers,
- 3 special covers for Bticino Axolute and Ave Sistema 44, Eikon Evo,
- 3 pairs of coloured adapters,
- 1 pair of adapters for Bticino Matix.

LCD display: 7-segment symbols and digits.

LED, back lighting (blue) display.

Adjustable backlight duration.

Possibility to visualize Celsius or Fahrenheit temperature values.

Maximum ambient temperature 45 °C.

Settable differential.

Protection degree IP20.