

R002

Environmental Thermostat

TG503



Summary

TG 503 Environmental Thermostat has an interface displaying the room temperature and the set-point value, giving the customer the possibility to change the temperature between a range of $\pm 2^{\circ}\text{C}$ comparing to the set-point value, and to vary the fan-coil speed. The thermostat is managed by room control unit TG650. On the front of the display, beyond the environment temperature indicator, there are 2 buttons regulating the temperature value (Set-Point) and 2 buttons regulating fan-coil speed.

Control Functions

By using the LCD Display and side buttons is possible to:

- Visualize the temperature surveyed by the NTC sensor placed inside the thermostat and/or remote; otherwise the thermostat can be configured to visualize the set-point value
- Visualize the adjustments and modify the set-point value
- Visualize and modify the speed of the fan-coil, manually or automatically

Orders

To order the thermostat simply specify:

Environmental Thermostat Mod. TG 503 for Bticino or Vimar as:

- TG 503 3L for Bticino Living International 3 modules (box 503)
- TG 503 4L for Bticino Living International 4 modules (box 504)
- TG 503 3V for Vimar Idea 3 modules (box 503)
- TG 503 4V for Vimar Idea 4 modules (box 504)

Planning

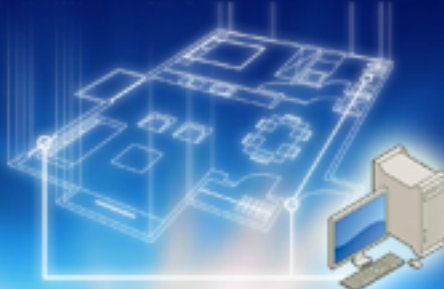
The thermostat must be mounted on 3 or 4 modules embedding boxes (type 503/4), units can be placed inside BTicino Living International and Vimar Idea supports (specify in when ordering).

Alternative solutions with different plate types are available on request.

When planning the system installation adhere to all the norms (CEI) related to electric device installation.

Installation

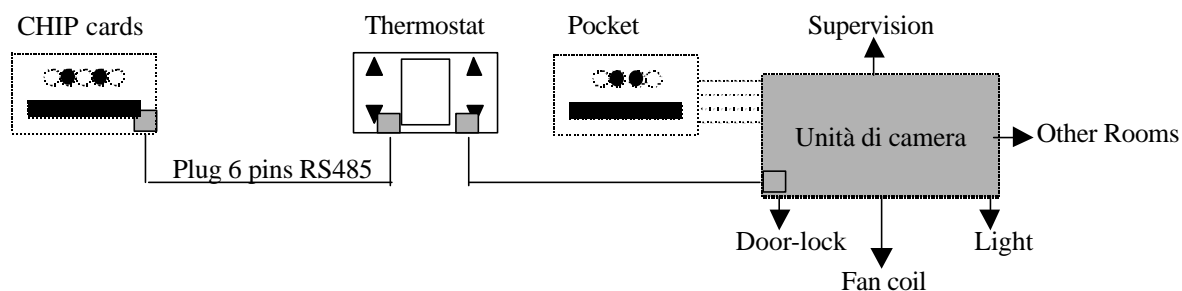
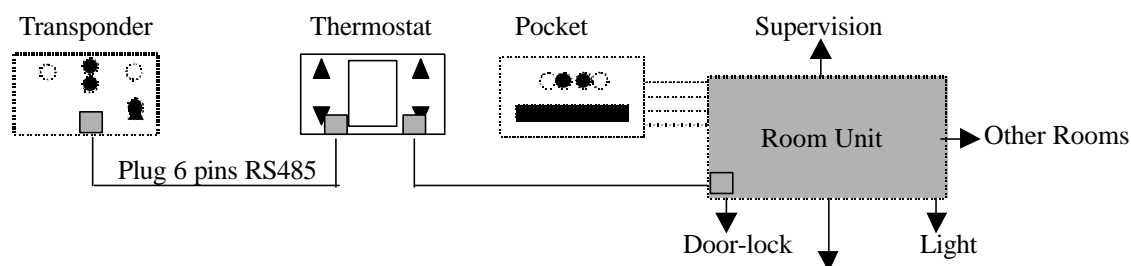
The thermostat must be installed inside of the room, in a central position allowing to take the average temperature of the room. A correct placement of the thermostat inside the room ensures a better management of the room temperature.

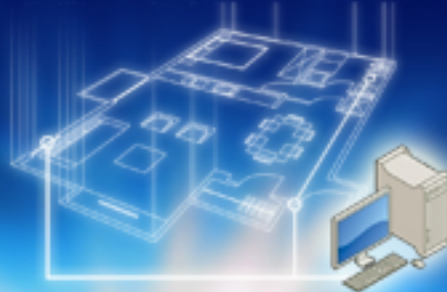


Technical Features	Feeding	10 - 16 V DC from TG650	Dimensions (AxLxP)	41x67x42 mm
	Current	25 mA	Weight	0,044 Kg
	Room Interface	RS485 (4800 baud)	Working Temp.	0..+50°C
	Entrance	Temperature Probe NTC 10 Kohm at 25°C (on board)	Store temp.	-20..+ 50°C
			Relative Humidity	80 % annual average
			Protection Grade	IP 44

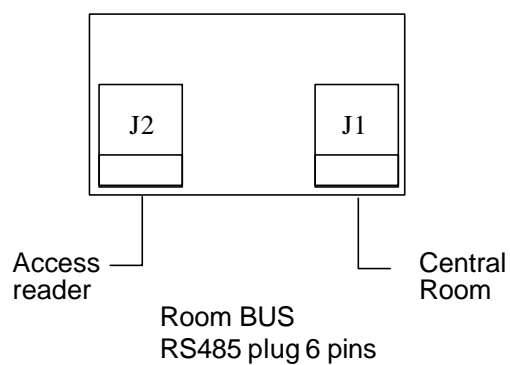
Connections

Towards room unit and access readers, for the complete control of the room comforts



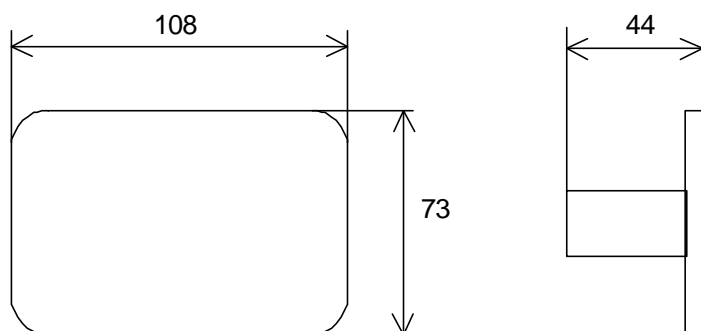


Thermostat TG503 Connection Details



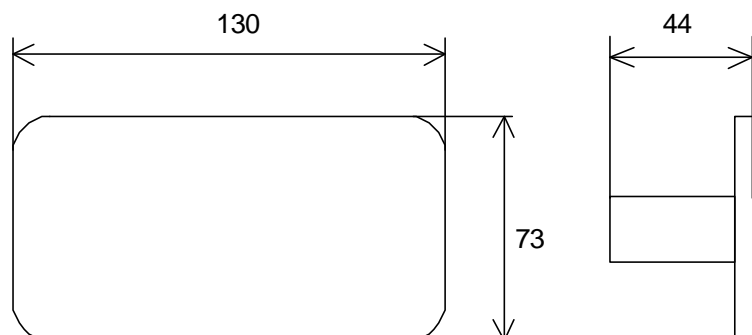
Dimensions (mm)

For Bticino Living International 3 modules version



Note: For Vimar version dimensions are:
(HxLxD) 75x114x44 mm

For Bticino Living International 4 modules version



Note: For Vimar version dimensions are:
(HxLxD) 75x139x44