

# Digital chronothermostats

TUO

DIMENSIONS (mm)

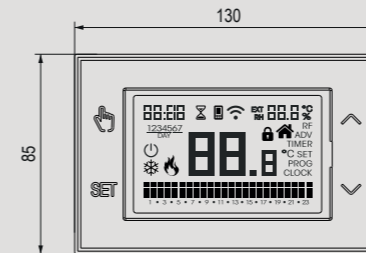
CONNECTION DIAGRAM

Touch screen electronic chronothermostats with weekly programming and wall-mounting, designed to control the ambient temperature both in heating (winter) and in cooling (summer). The keypad consists of four touch keys placed on the sides of the display. The colour of the display backlighting can be customized by the user.

- 1 Plastic base for wall-mounting or to cover the 3 modules flush-mounting box
- 2 Wide backlit display to view the measured temperature and humidity and the set programming
- 3 Backlit touch keys on the sides of the display
- 4 Terminals on the back of the device for connecting the load and the power supply



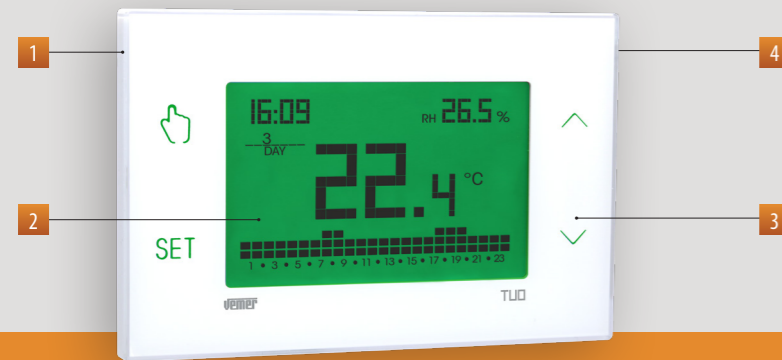
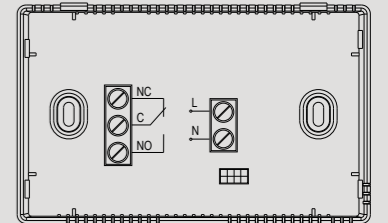
Front view



Side view



Diagram



## CLIMATE CONTROL

### TECHNICAL INFORMATION

### WEEKLY WALL-MOUNTING CHRONOTHERMOSTATS

- Automatic programming on a weekly basis with 3 temperature levels T1, T2, T3
- On/off temperature regulation (with adjustable differential) or proportional
- Antifreeze function: allows setting a minimum temperature (antifreeze temperature) to be maintained when the device is switched off to prevent system freezing
- Configurable display backlighting:
  - always off
  - of a colour chosen among 48 possible shades
  - variable between red, green and blue based on the difference between the measured temperature and the set one
- Display of the measured humidity value
- Timing function: allows you to extend the current operation for the specified period (hours or days), after which the device changes operation from automatic to off, from manual to automatic, from off to on (manual or automatic)
- Delay function (settable for each hour independently): allows to adjust the temperature for the first 15, 30 or 45 minutes of the current time based on the temperature level set for the previous hour
- Possibility to reduce the settable temperatures range (factory setting 2 ÷ 50 °C)
- Automatic summer/winter time change and vice versa
- Keypad lock with password to prevent changes by unauthorized persons



### GENERAL CHARACTERISTICS

Power supply		230V AC (-15% ÷ ±15%)
Charge reserve	h	12
Frequency	Hz	50/60
Mounting		Wall /Box 503
Programming		Weekly
Operating mode		summer/winter
Settable temperatures		3 + antifreeze + manual
Temperature setpoint range	Automatic °C	+2 ÷ +50
	Manual °C	+2 ÷ +50
	Antifreeze °C	OFF, +1 ÷ +50
Relay capacity 250 V AC	A	5
Temperature measurement range	°C	0 ÷ +50
Measurement precision	°C	0.5

Temperature resolution	°C	0.1
Programming resolution	h	1
Gap between two temperature measurements	s	20
Regulation type		ON-OFF or proportional
Adjustable differential (in OFF-ON)	°C	0.1 ÷ 1
Displayed humidity	Range	RH +20 ÷ +90%
	Resolution	RH 0.1%
	Precision	RH 5%
Protection degree	IP	XXD
Operating temperature	°C	0 ÷ +50
Storage temperature	°C	-20°C ÷ +65°C
Relative humidity	HR	20 ÷ 90% non condensing

Code	Model	Description	Colour	Power supply
VE771600	Tuo Bianco	Touch screen weekly chronothermostat with multicolour backlit LCD	White	230 V~
VE771700	Tuo Nero	Touch screen weekly chronothermostat with multicolour backlit LCD	Black	230 V~

### REFERENCE STANDARDS

Compliance with Community Directives: 2014/35/EU (LVD) • 2014/30/EU (EMCD) is declared with reference to the following standards: EN 60730-2-7 • EN 60730-2-9



TUO-ENG-201903

