

Digital chronothermostats

Touch screen electronic chronothermostats with GSM connection, weekly programming and wall installation, designed to control the ambient temperature both in heating mode (winter) and in cooling (summer). The free app, available on the AppStore and Google Play, allows the control from your smartphone or tablet. Any alarm situations are signaled by sending an SMS to the specified number. 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.



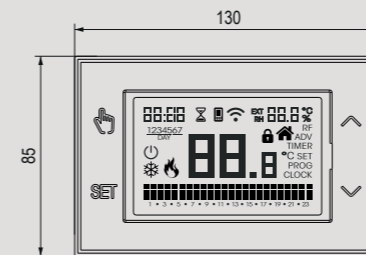
TUO GSM

- 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
- 5 Free app available for iOS and Android systems



DIMENSIONS (mm)

Front view

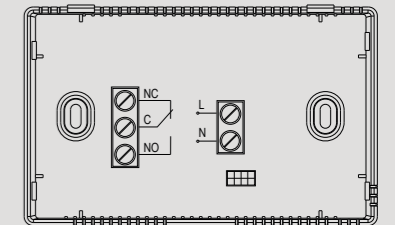


Side view



CONNECTION DIAGRAM

Diagram



CLIMATE CONTROL

WEEKLY WALL-MOUNTING GSM 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
- 5 numbers can be stored to control the device
- 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

FUNCTIONS WHEN REMOTE

Simply through a ringing telephone...
... possibility to switch on or to switch off the chronothermostat

Sending an sms to...

- ... set the operating mode (automatic, manual or off)
- ... set the regulation temperatures
- ... set the regulation temperatures

TUO GSM alerts you if...

- ...the measured temperature exceeds a minimum or maximum set value
- ... a power failure/restore mains alarm



TECHNICAL INFORMATION

GENERAL CHARACTERISTICS

Power supply	230V AC (-15% ÷ ±15%)	
Charge reserve	h	1
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 ON-OFF)	°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
VE771800	Tuo GSM Bianco	Touch screen weekly GSM chronothermostat with multicolour backlit LCD	White	230 V~
VE771900	Tuo GSM Nero	Touch screen weekly GSM 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 GSM-ENG-201905

