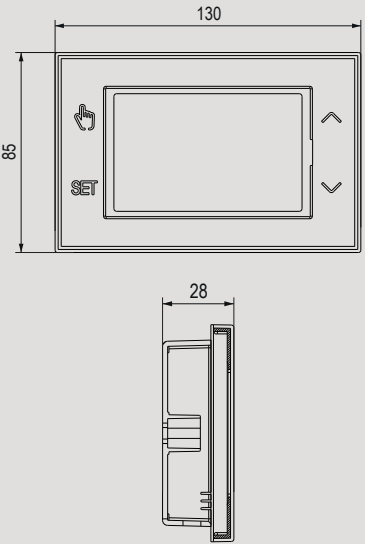# Digital chronothermostats

TUO WI-FI RF

Touchscreen electronic chronothermostats with humidistat function, equipped with wi-fi and radiofrequency modules, designed for temperature and humidity control.

Thanks to the wi-fi connection, the device can be remotely controlled in all its functions, using the free app available for iOS and Android.

The activation of the boiler (or air conditioner), the dehumidifier and the fan unit takes place by means of as many remote actuators, controlled by sending radiofrequency signals, without the need for any wiring.

It is also possible to control the boiler or air conditioner via cable thanks to the relay on the device.

The keypad consists of four touch keys placed on the sides of the display.

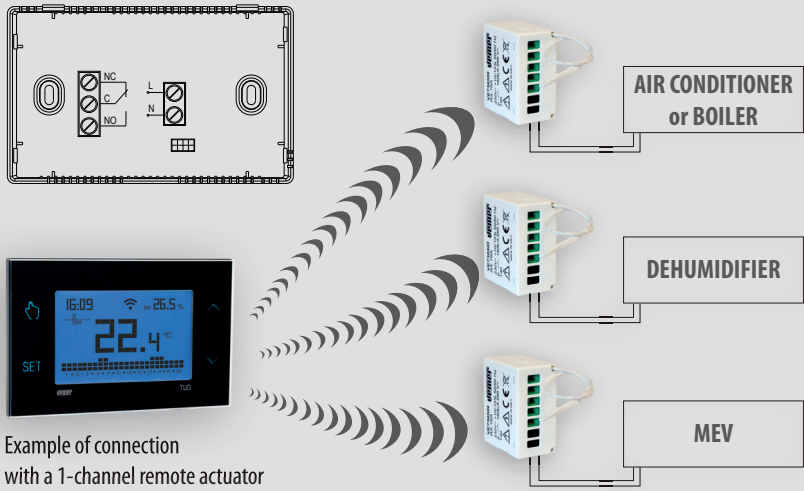The colour of the display backlighting can be customized by the user.

1. Plastic base for wall-mounting or to cover the 3 modules flush-mounting box
2. Wide display with customizable colour backlighting for displaying 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. Integrated Wi-Fi module compatible with 802.11 b/g/n standard
6. Integrated radiofrequency module for sending command signals to remote actuators
7. Free app available for iOS and Android systems

Available on the App Store
Available on the Google play

8. Compatible with Google Home and Amazon Echo

works with the Google Assistant
WORKS WITH amazon alexa

DIMENSIONS (mm)

Front and side view

130
85
28

CONNECTION DIAGRAM

Diagram

AIR CONDITIONER or BOILER

DEHUMIDIFIER

MEV

Example of connection with a 1-channel remote actuator

CLIMATE CONTROL

TECHNICAL INFORMATION

RADIOFREQUENCY WEEKLY WALL-MOUNTING WI-FI CHRONOTHERMOSTATS

- 3 independent radiofrequency communication channels for temperature, humidity, MEV
- Operating mode selectable between heating, air conditioning or OFF.
- Humidity control with intervention threshold plus alarm threshold if the conditioning mode is set
- Temperature control with weekly programming at 3 levels T1, T2, T3 and on/off type regulation (with adjustable differential), proportional or tP (with opening modulation for coupling with ThermoPro RF thermostatic valves)
- Control of a mechanical ventilation unit (MEV) controlled through independent weekly programming
- Antifreeze temperature to prevent system freezing when the device is switched off
- Configurable backlighting display: always off, of a colour chosen among 48 possible shades or variable between red, green and blue on the basis of the difference between the measured temperature and the set one
- 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 on the basis of the temperature level set for the previous hour
- "Local operation block" function: allows the device control only with the app (keypad changes are ignored)

- Possibility to reduce the settable temperature range (factory 2÷50°C)
- Automatic summer time change and automatic synchronization when connected to the network
- Keypad lock with password to prevent changes by unauthorized persons
- Classification according to point 6 of the Communication 2014 /C 207/02 of the European Commission: class IV

App   Internet network   access point   Tuo Wi-Fi RF

Code	Model	Description	Colour	Power supply
VE773600	Tuo Wi-Fi RF Bianco	Weekly Wi-Fi chronothermostat with radiofrequency humidistat function with multicolour LCD	White	230 V~
VE773700	Tuo Wi-Fi RF Nero	Weekly Wi-Fi chronothermostat with radiofrequency humidistat function with multicolour LCD	Black	230 V~

GENERAL CHARACTERISTICS

Power supply	V AC	230 (-10% ÷ +10%)
Frequency	Hz	50/60
Mounting		Wall / Box 503
Programming		Weekly
Operating mode		summer / winter
Settable temperatures		3 + antifreeze + manual
Temperature regulation 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

Regulation type		ON-OFF or proportional
Adjustable differential (in OFF-ON)	°C	0,1 ÷ 1
Humidity adjustment range		
Range	RH	+20 ÷ +90%
Resolution	RH	0,1%
Precision	RH	5%
Trasmission frequency	MHz	433.92
Protection degree	IP	XXD
Operating temperature	°C	0 ÷ 50
Storage temperature	°C	-20 ÷ 65
Relative humidity	RH	20% ÷ 90% non condensing

REFERENCE STANDARDS

Compliance with Community Directives: 2014/53/EU (RED) is declared with reference to the following standards: • ETSI EN 300 328 • ETSI EN 300 220-1 • ETSI EN 300 220-2 • ETSI EN 301 489-1 • ETSI EN 301 489-17 • ETSI EN 301 489-3

VEMER

VEMER