Tuo 4G Nero

VE795900

Smart thermostats / Climate Control



230 Vac wall-mounted electronic touch-screen smart thermostat with integrated 4G-LTE module and SIM card, weekly programming. Black colour The keyboard features four touch keys, positioned on either side of the display. The colour of the display backlight can be customised by the user. Device designed for room temperature regulation in heating mode (winter) and cooling mode (summer). The free app, available on App Store and Google Play, allows full programming and control from smartphone or tablet. Possible alarm situations are notified via email to the specified address and/or via push notifications on the smartphone

General features

- Plastic base for wall-mounted installation or for covering a 3-module flush-mounted box
- Display showing measured temperature and humidity as well as set programming
- Backlit touch keys on the sides of the display
- Terminal block on the back of the device for connecting load and power supply
- Integrated 4G-LTE module with SIM included for Internet connection
- Application for iOS and Android systems
- Automatic weekly programming with 3 temperature levels: T1, T2, T3
- Temperature control: on/off (with adjustable differential) or proportional
- Anti-freeze temperature to prevent system freezing when the device is in OFF state
- Configurable display backlighting:
  - Always off
  - Always on in a colour chosen from 48 shades
  - Always on, variable between red, green, and blue depending on difference between measured and set temperature
  - Switched on with daily timing by selecting ON and OFF times
- Timing function: Maintains the current operating mode (automatic, manual, or off) for a set period of time, after which the device automatically switches to the specified mode.
- Delay function (configurable for each hour): adjusts the temperature for the first 15, 30, or 45 minutes of the current hour according to the temperature level set for the previous hour
- Local operation lock function: device can only be controlled via the app (keyboard input ignored)
- Possibility of reducing the settable temperature range (factory setting: 2 ÷ 50 °C)
- Automatic summer/sunshine time change and automatic synchronisation of date and time when connected to Wi-Fi network
- Keypad lock function with password to prevent modifications by unauthorised people
- SIM card supplied and pre-installed in the device with data service included, renewable via the app or replaceable
- The device alerts you when the measured temperature exceeds a set minimum or maximum value, when there is a power failure/restore, or when a fault is detected in the backup battery
- Classification according to point 6 of European Commission Communication 2014/C 207/02: class IV

Technical specifications

Power supply	
Power supply	230 Vac (-15% ÷ +10%)
Frequency	50 / 60 Hz
Buffer battery type	AAA NiMH 1.2 V (Rechargeable)
Temperature settings	
Settable temperatures	3 + antifreeze + manual

Vemer S.p.A. declines all responsibility for the use of the products for purposes other than those for which they are intended, as indicated in the technical documentation. Vemer S.p.A. reserves the right to make, without prior notice, such changes as may, in its sole discretion, improve the technical and functional characteristics of the products and the related production logic. The technical characteristics and images of the products indicated are given for information only and are not binding in any way, since they may be modified without prior notice.

Revision date: 2026-02-02

Temperature settings	
Temperature setting range Manual	2 ÷ 50 °C
Temperature setting range Automatic	2 ÷ 50 °C
Temperature setting range Antifreeze (Off)	OFF, 1 ÷ 50 °C
Parameter settings	
Type of adjustment	ON-OFF or proportional
Differential/Hysteresis	0.1 ÷ 1 °C
Modes of operation	Summer Winter
Programming	Weekly
Programming resolution	1 hour
Measure	
Temperature measuring range	0 ÷ 50 °C
Temperature display resolution	0.1 °C
Humidity display resolution	0,1% RH
Temperature measurement accuracy	± 0.5 °C
Humidity measurement accuracy	± 5% RH
Functions	
Measured humidity value displaying	✓
Timing function	✓
Automatic daylight saving/standard time changeover	✓
Keypad lock function	✓
Delay function	✓
Manageable by application	✓
Manageable by virtual assistant	✓
Connectivity	
Transmission frequency	GSM/GPRS/EDGE 900/1800 MHz LTE-FDD B1/B3/B5/B7/B8/B20
Maximum transmitted radio frequency power	33 dBm
Operating conditions	
Operating temperature range	0 ÷ 50 °C
Relative humidity	20% ÷ 90% non-condensing RH
Storage temperature range	-25 ÷ 70 °C
Approvals and certifications	
Classification according to point 6 of Communication 2014/C 207/02 of the European Commission:	Class IV
Viewing	
Display	Backlit LCD

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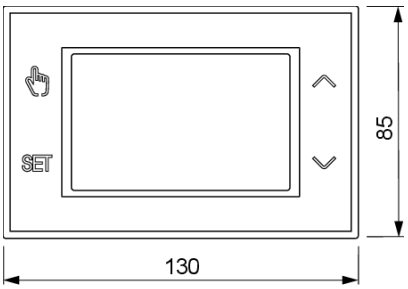
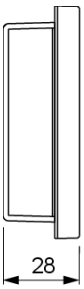
Outputs	
Relay number	1
Relay type	Heat exchange
Relay capacity at 250 Vac	5 A
Mechanical features	
Protection degree	IP40
Physical features	
Color	Black
Device command	Touch screen
Backlighting	✓
Backlight color	Multicolor
Overall dimensions	
Height (A)	85 mm
Width (B)	130 mm
Depth (C)	28 mm

Dimensions

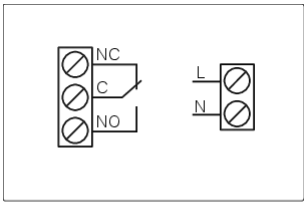
Front View



Side View



Wiring diagram



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Remote control

Fully manageable via smartphone and tablet app

Clima Vemer

Clima Vemer is the smart app designed to provide total control over Vemer's entire range of Smart thermostats and humidistats even remotely. With this app, users can adjust their heating and air conditioning system settings quickly and conveniently, ensuring maximum comfort and energy efficiency, all through Internet connectivity.

App features

• **Program management**
Allows creating, editing, and renaming programs directly on the smartphone.

• **On / Off**
Allows switching the air-conditioning system on and off.

• **Temperature management**
Allows changing the operating temperature values.

• **Holiday**
Allows setting vacation days during which the system remains off.

• **Local operation**
Allows controlling the device exclusively via app, ignoring changes made via the keypad.

• **Room Management**
In each home, office or building, it allows the identification of various rooms (Living Room, Bathroom, Room,...).

• **Building management**
It allows you to create the home, office, and general buildings that group devices together.

• **Alarm notifications**
Allows setting alarm notifications (e.g. exceeding preset thresholds) to be notified by email or via push notification.

Product variants

Tuo 4G Bianco

VE795800

Weekly 230 Vac touch-screen wall-mounted smart thermostat with multi-colour backlit LCD display, 4G-LTE module. White colour

Reference standards

Compliance with Community Directives:

• 2014/53/UE (RED) • 2011/65/UE e 2015/863/UE (ROHS)

is declared with reference to the following Standards:

• EN IEC 60730-2-7 • EN IEC 60730-2-9 • ETSI EN 301 489-1 • ETSI EN 301 489-52 • ETSI EN 301 511 • EN 18031-1 • EN IEC 63000

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