Tuo Wi-Fi Lite Bianco

VE785700

Smart thermostats / Climate Control



230 Vac wall-mounted electronic touch-screen smart thermostat with Wi-Fi module, weekly programming. The keyboard features four touch keys, positioned on either side of the display. Device designed for room temperature regulation in heating mode (winter) and cooling mode (summer). Thanks to the new Wi-Fi module with Bluetooth® technology, the initial setup is even simpler and more guided, while also ensuring greater connection stability. The free app, available on the App Store and Google Play, also allows you to program and fully control the programmable thermostat remotely via a smartphone or tablet. Possible alarm situations are notified via email to the specified address

General features

- Plastic base for wall-mounted installation or for covering a 3-module flush-mounted box
- Display showing measured temperature and 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
- Built-in Wi-Fi module compatible with the 802.11 b/g/n standard and featuring Bluetooth® technology for easier device setup and greater connection stability
- Application for iOS and Android systems
- Compatible with Google Home and Amazon Alexa
- 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
- Blue display backlighting
- 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 to reduce the range of settable temperatures (factory preset 2 ÷ 50 °C)
- Automatic summer/sunshine time change and automatic synchronisation of date and time when connected to Wi-Fi network
- A two-level password security system:• Total lock, which protects all device settings• partial lock, which allows—without a password—only the selection of the operating mode (Automatic, Manual, or Off) and the adjustment of the manual setpoint within the “LO” and “HI” limits, while keeping all other parameters protected
- "Net ON/OFF" menu item for enabling or disabling the Wi-Fi module
- Classification according to point 6 of European Commission Communication 2014/C 207/02: class IV

Technical specifications

Power supply	
Power supply	230 Vac (-10% ÷ +10%)
Frequency	50 / 60 Hz
Temperature settings	
Settable temperatures	3 + antifreeze + manual
Temperature setting range Manual	2 ÷ 50 °C
Temperature setting range Automatic	2 ÷ 50 °C
Temperature setting range Antifreeze (Off)	OFF, 1 ÷ 50 °C

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: 2026-10-05

Temperature settings	
Measured temperature compensation range	-5 ÷ 5 °C
Parameter settings	
Type of adjustment	ON-OFF or proportional
Differential/Hysteresis	0.1 ÷ 1 °C
Modes of operation	Summer Winter Off
Programming	Weekly
Programming resolution	1 hour
Measure	
Temperature measuring range	0 ÷ 50 °C
Temperature display resolution	0.1 °C
Temperature measurement accuracy	0.5 °C
Functions	
Timing function	✓
Automatic daylight saving/standard time changeover	✓
Delay function	✓
Measured temperature compensation function	✓
Manageable by application	✓
Manageable by virtual assistant	✓
Connectivity	
Transmission frequency	2,4 GHz (Wi-Fi) 2400 - 2483,5 MHz (Bluetooth)
Maximum transmitted radio frequency power	18,3 dBm (Wi-Fi) 20 dBm (Bluetooth)
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
Outputs	
Relay number	1
Relay type	Heat exchange
Relay capacity at 250 Vac	5 A

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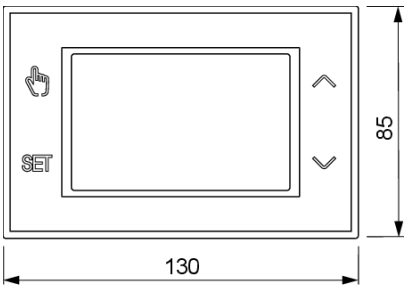
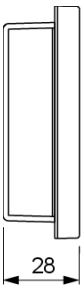
Terminations	
Maximum cable cross-section	1.5 mm²
Mechanical features	
Protection degree	IP40
Physical features	
Color	White
Device command	Touch screen
Backlighting	✓
Backlight color	Blue
Overall dimensions	
Height (A)	85 mm
Width (B)	130 mm
Depth (C)	28 mm

Dimensions

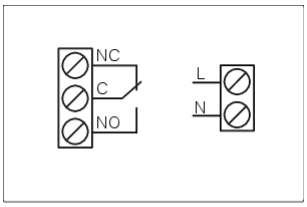
Front View



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 Wi-Fi Lite Nero

VE793800

Weekly Wi-Fi touch-screen battery-operated wall-mounted smart thermostat with backlit LCD display. 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 62479 • EN IEC 60730-2-9 • EN IEC 60730-2-7 • ETSI EN 300 328 • ETSI EN 301 489-1 • ETSI EN 301 489-17 • EN 18031-1 • EN IEC 63000

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