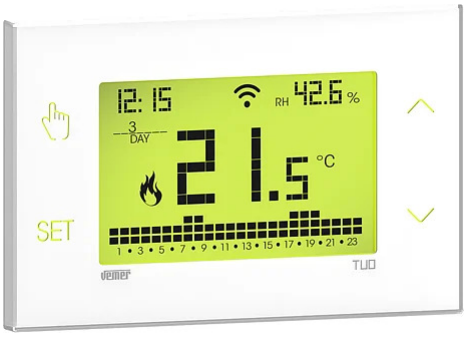
Tuo Wi-Fi Bianco

VE772000

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. 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

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 Wi-Fi module compatible with 802.11 b/g/n standards
- 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
- Configurable display backlighting:
  - Always off
  - Choice of 48 colours
  - Variable between red, green, and blue depending on the difference between measured and set temperature
- 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
- Keypad lock function with password to prevent modifications by unauthorised people
- The device alerts you when the temperature exceeds a set value
- 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

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Temperature settings	
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
Humidity measuring range	20% ÷ 90% RH
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	✓
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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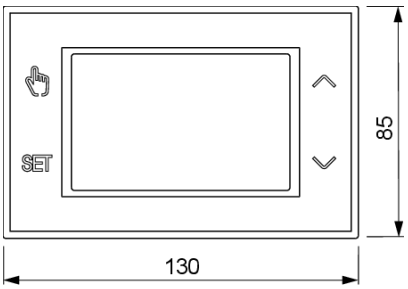
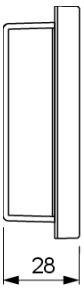
Mechanical features	
Protection degree	IP40
Physical features	
Color	White
Device command	Touch screen
Backlighting	✓
Backlight color	Multicolor
Overall dimensions	
Height (A)	85 mm
Width (B)	130 mm
Depth (C)	28 mm

Dimensions

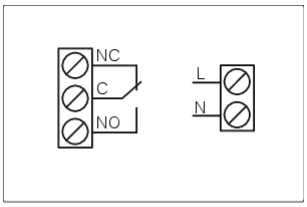
Front View



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 Wi-Fi Nero

VE772100

Weekly Wi-Fi touch-screen wall-mounted 230 Vac smart thermostat with multi-colour backlit LCD display. Black 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 60730-2-7 • EN IEC 60730-2-9 • ETSI EN 300 328 • ETSI EN 301 489-1 • ETSI EN 301 489-17 • EN 18031-1 • EN IEC 63000

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