# Tuo Wi-Fi Batteria Bianco

VE788600

**Smart thermostats** / Climate Control




Battery-operated 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). The free app, available on App Store and Google Play, allows full programming and control from smartphone or tablet. Energy-saving function allows setting the daily frequency at which the smart thermostat connects to the cloud, optimizing battery life. Possible alarm situations such as exceeding temperature limits or low battery level are notified by email to the specified address or via app notification

## General features

- Plastic base for wall-mounted installation or for covering a 3-module flush-mounted box
- Large display with blue backlighting, activated when keys are pressed
- Backlit touch keys on the sides of the display
- Terminal block on the back of the device for connection to the air-conditioning system
- 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
- Antifreeze function: prevents the system from freezing when the device is in the off state
- 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 batteries need replacement or 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 | 4 batteries (AA)<br>1.5 V<br>Alkaline<br>NOT rechargeable |
| **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 |
| **Parameter settings** | |
| Type of adjustment | ON-OFF or proportional |

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.



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| | |
|---|---|
| **Parameter settings** | |
| Differential/Hysteresis | 0.1 ÷ 1 °C |
| Modes of operation | Summer<br>Winter<br>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 | ✓ |
| 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 |
| **Mechanical features** | |
| Protection degree | IP40 |
| **Physical features** | |
| Color | White |
| Device command | Touch screen |
| Backlighting | ✓ |
| Backlight color | Blue |

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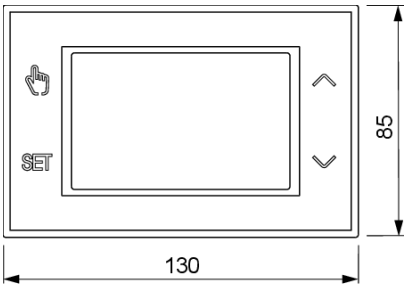
VE788600



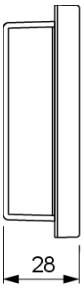
| Overall dimensions | |
|---|---|
| Height (A) | 85 mm |
| Width (B) | 130 mm |
| Depth (C) | 28 mm |

## Dimensions

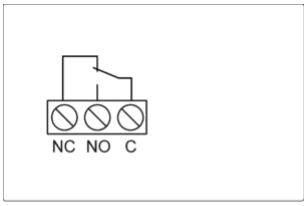
Front View




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.

• **Energy saving**
Allows setting the frequency at which the smart thermostat connects to the cloud to check and download any programming updates.
The default setting provides an update every 15 minutes (or every hour during the night) in the winter period (from October 1 to April 30) and every 8 hours during the summer period, ensuring an autonomy of 18 months under normal Wi-Fi signal conditions.
The Economy setting provides an update every 8 hours and ensures an autonomy of approximately 36 months under normal Wi-Fi signal conditions.
The update frequency can be customized by the user according to their needs, from a minimum of once every 6 hours to a maximum of once every 10 minutes.

## Product variants

### Tuo Wi-Fi Batteria Nero

VE788700

Weekly Wi-Fi smart thermostat, 3-module flush-mounted, 230 Vac, with backlit display and physical keys. 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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