Thalos Bianco

VE432100



Battery-operated wall-mounted electronic touch-screen thermostat with backlit display. The keyboard consists of two icons on the bottom of the touch screen display. Device designed for room temperature regulation in heating mode (winter) and cooling mode (summer).

General features

- Plastic base for wall-mounted installation or for covering a 3-module flush-mounted box
- Display showing measured temperature
- Touch screen keypad
- Terminal block on the back of the device for connecting load and external contact/remote temperature probe
- Temperature control: on/off (with adjustable differential) or proportional
- Anti-freeze temperature to prevent system freezing when the device is in OFF state
- Keypad lock function with password to prevent modifications by unauthorised people
- Possibility to limit the range of settable temperature values
- Blue display backlighting that can be activated when keys are pressed
- Configurable digital input for connecting an external contact to switch off the device, or an X.temp temperature probe (code VN883500)
- Classification according to point 6 of European Commission Communication 2014/C 207/02: class IV

Technical specifications

Power supply	
Power supply	2 batteries (AAA) 1.5 V Alkaline NOT rechargeable
Battery autonomy	12 months
Temperature settings	
Temperature setting range	2 ÷ 50 °C
Temperature setting range Antifreeze (Off)	OFF, 1 ÷ 50 °C
Parameter settings	
Type of adjustment	ON-OFF
Differential/Hysteresis	0.1 ÷ 1 °C
Modes of operation	Summer Winter
Measure	
Temperature measuring range	0 ÷ 40 °C °C
Temperature display resolution	0.1 °C
Temperature measurement accuracy	0.5 °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: 2026-02-02

Functions	
Keypad lock function	✓
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
Inputs	
Digital input	✓
No. digital inputs	1
Auxiliary input features	Configurable
Outputs	
Relay number	1
Relay type	Heat exchange
Relay capacity at 250 Vac	5 A
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)	125 mm
Depth (C)	26 mm

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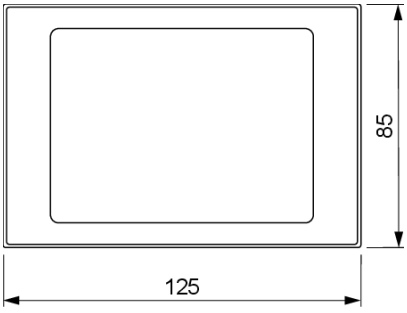
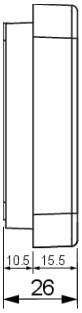
Dimensions

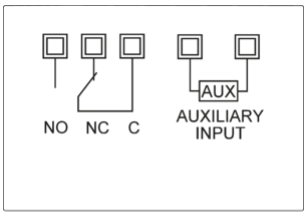
Front View



Side View



Wiring diagram



Configurable auxiliary input:

- for external probe
- for external contact (with contact closed, Setpoint = Setpoint -3 °C)

Product variants

Thalos Nero

VE433900

Battery-operated wall-mounted touch-screen thermostat with backlit display. Colour black

Reference standards

Compliance with Community Directives:

• 2014/35/UE (LVD) • 2014/30/UE (EMCD) • 2011/65/UE e 2015/863/UE (ROHS)

is declared with reference to the following Standards:

• EN IEC 60730-2-9 • EN IEC 63000

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