Thalos Key 230 Nero

VE721700



230 Vac wall-mounted electronic thermostat with backlit display. Keyboard consists of two physical keys immediately below the 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 and set programming
- Terminal block on the back of the device for connecting load and power supply
- 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 backlight always on (can be switched off)
- Keypad lock function with password to prevent modifications by unauthorised people
- Possibility to limit the range of settable temperature values
- 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
Temperature settings	
Temperature setting range	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
Measure	
Temperature display resolution	0.1 °C
Temperature measurement accuracy	0.5 °C
Functions	
Keypad lock function	✓
Operating conditions	
Operating temperature range	0 ÷ 50 °C
Relative humidity	20% ÷ 90% non-condensing RH

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

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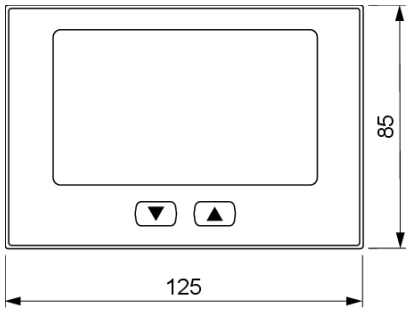
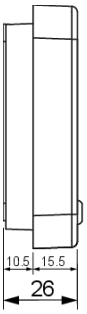
Operating conditions	
Storage temperature range	-25 ÷ 70 °C
Approvals and certifications	
Classification according to point 6 of Communication 2014/C 207/02 of the European Commission:	Class IV
Viewing	
Display	Backlit LCD
Outputs	
Relay number	1
Relay type	Heat exchange
Relay capacity at 250 Vac	5 A
Terminations	
Maximum cable cross-section	1.5 mm²
Mechanical features	
Protection degree	IP40
Physical features	
Color	Black
Device command	Keys
Backlighting	✓
Backlight color	Blue
Overall dimensions	
Height (A)	85 mm
Width (B)	125 mm
Depth (C)	26 mm

Dimensions

Front View



Side View



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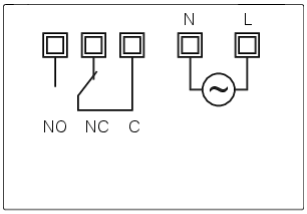
Wiring diagram



Product variants

Thalos Key 230 Bianco

VE720900

230 Vac wall-mounted thermostat with backlit display and physical keys. Colour white

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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