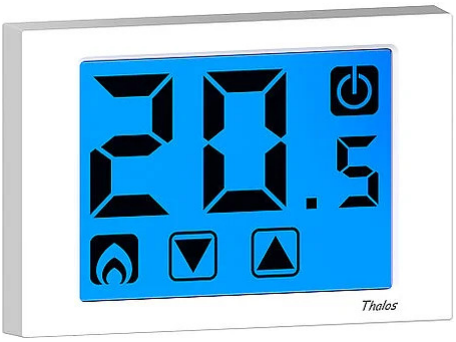
Thalos RF Bianco

VE480000



Battery-operated wall-mounted electronic touch-screen thermostat with radio frequency module. 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). The boiler (or air conditioner) is activated by a remote actuator, controlled by the device via radio frequency signal. This solution ensures high installation flexibility, especially in existing systems, since no wiring or masonry work is required.

General features

- Plastic base for wall-mounted installation or for covering a 3-module flush-mounted box
- Display showing measured temperature
- Touch screen keypad
- Integrated RF module for sending control signals to remote actuators
- Temperature control: on/off (with adjustable differential), proportional, or tP (pulse-width modulation for coupling with ThermoPro RF thermostatic valves)
- Anti-freeze temperature to prevent system freezing when the device is in OFF state
- Blue display backlighting that can be switched on when keys are pressed
- Keypad lock function with password to prevent modifications by unauthorised people
- Possibility to limit the range of settable temperature values
- Compatible with all Vemer RF remote actuators
- 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, proportional or tP (aperture-modulated for coupling with ThermoPro RF thermostatic valves)
Differential/Hysteresis	0.1 ÷ 1 °C
Modes of operation	Summer Winter
Measure	
Temperature measuring range	0 ÷ +50 °C °C
Temperature display resolution	0.1 °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

Measure	
Temperature measurement accuracy	0.5 °C
Functions	
Keypad lock function	✓
Connectivity	
Transmission frequency	433,92 MHz
Maximum transmitted radio frequency power	-10 dBm
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
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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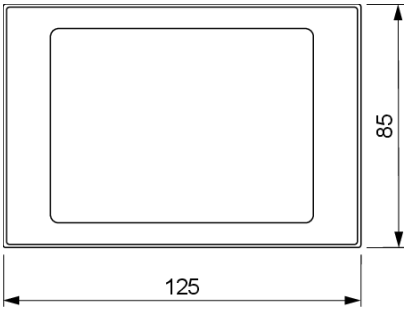
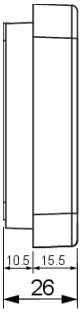
Dimensions

Front View



Side View



Product variants

Thalos RF Nero

VE481800

Battery-operated wall-mounted touch-screen thermostat with backlit display, radio frequency module. Colour black

Product set

Set Thalos RF Bianco

VE482600

Configured set consisting of Thalos RF Bianco and RX.16A actuator

Accessories compatible with the product

Base.RF

VE772900

Tabletop stand for radio-frequency thermostats and programmable thermostats

RX1-8A

VE015400

230 Vac DIN-rail remote actuator for radio frequency devices with 1 relay 8A/250V

RX7-5A

VE443800

230 Vac wall-mounted remote actuator for radio frequency devices with 6 relays 8A/250V

RX1-8A P

VE471900

230 Vac wall-mounted remote actuator for radio frequency devices with 1 relay 8A/250V

RX.16A

VE736500

Flush-mounted 230 Vac remote actuator for radio frequency devices with 1 relay 16A/250V

ThermoPro RF

VE741500

Battery-powered weekly smart thermostat for radiators. Radio-frequency module. Color: white.

RX4-8A

VN943700

230 Vac wall-mounted remote actuator for radio frequency devices with 4 relays 8A/250V

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Reference standards

Compliance with Community Directives:

• 2014/53/UE (RED) • 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 • ETSI EN 300 220-1 • ETSI EN 300 220-2 • ETSI EN 301 489-1 • ETSI EN 301 489-3 • EN IEC 63000

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