Chronos 230 Nero

VE454500

Smart thermostats / Climate Control



230 Vac wall-mounted electronic touch-screen smart thermostat with backlit display and weekly programming. Device designed for room temperature regulation in heating mode (winter) and cooling mode (summer). The keyboard consists of four icons on the bottom of the touch screen display.

General features

- Plastic base for wall-mounted installation or for covering a 3-module flush-mounted box
- Display showing measured temperature and set programming
- Touch screen keypad
- Terminal block on the back of the device for connecting load and power supply
- 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
- Multicolour display backlighting (can be switched off)
- 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
- Automatic changeover between standard time and daylight saving time
- Keypad lock function with password to prevent modifications by unauthorised people
- 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
Power reserve	48 hours
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
Differential/Hysteresis	0.1 ÷ 1 °C
Modes of operation	Summer Winter
Programming	Weekly

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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Parameter settings	
Programming resolution	1 hour
Measure	
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	✓
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
Terminations	
Maximum cable cross-section	1.5 mm²
Mechanical features	
Protection degree	IP40
Physical features	
Color	Black
Device command	Touch screen
Backlighting	✓
Backlight color	RGB
Overall dimensions	
Height (A)	85 mm
Width (B)	125 mm
Depth (C)	26 mm

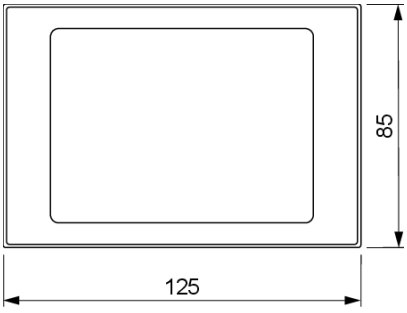
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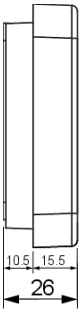
VE454500

Dimensions

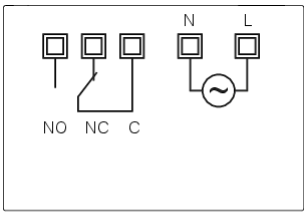
Front View



Side View



Wiring diagram



Product variants

Chronos 230 Bianco

VE453700

Weekly 230 Vac wall-mounted touch-screen smart thermostat with multicolour display.
White colour

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 60730-2-7 • EN IEC 60730-2-9 • EN IEC 63000

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