Aros

VE458600



3-module battery-operated electronic touch-screen thermostat with backlit display for flush-mounted installation (type 503). Device designed for room temperature regulation in heating mode (winter) and cooling mode (summer). The keyboard consists of two icons on the bottom of the touch screen display.

General features

- For installation on 3-module flush-mounted boxes (type 503)
- Terminal block on the back of the device for connecting load and external contact
- Display showing measured temperature
- Touch screen keypad
- Temperature control: on/off (with adjustable differential) or proportional
- Temperature compensation of +/-5 °C via settable parameter
- Anti-freeze temperature to prevent system freezing when the device is in OFF state
- Blue display backlighting that can be activated when keys are pressed
- Keypad lock function with password to prevent modifications by unauthorised people
- Digital input for connecting an external contact to reduce the set temperature by 3 °C
- Possibility to limit the range of settable temperature values
- Classification according to point 6 of European Commission Communication 2014/C 207/02: class IV
- White and anthracite grey front panels included in the package
- Silver-coloured cover frame can be purchased separately
- Supplied supports compatible with cover frames of the main switch and socket systems

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
Measured temperature compensation range	- 5 ÷ 5 °C
Parameter settings	
Type of adjustment	ON-OFF or proportional
Differential/Hysteresis	0.1 ÷ 1 °C
Modes of operation	Summer Winter

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.

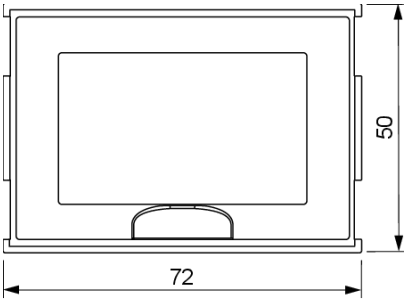
Revision date: 2026-02-02

Measure	
Temperature display resolution	0.1 °C
Temperature measurement accuracy	0.5 °C
Functions	
Keypad lock function	✓
Measured temperature compensation 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	For Setpoint reduction
Outputs	
Relay number	1
Relay capacity at 250 Vac	5 A
Terminations	
Maximum cable cross-section	1.5 mm²
Mechanical features	
Protection degree	IP40
Physical features	
Color	White Anthracite grey
Device command	Touch screen
Backlighting	✓
Backlight color	Blue
Overall dimensions	
Height (A)	50 mm
Width (B)	72 mm
Depth (C)	53 mm

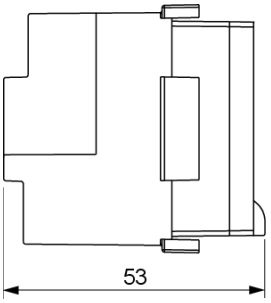
Vemer S.p.A. declines all responsibility for the use of the products for purposes other than those for which they are intended, as indicated in the technical documentation. Vemer S.p.A. reserves the right to make, without prior notice, such changes as may, in its sole discretion, improve the technical 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.

Dimensions

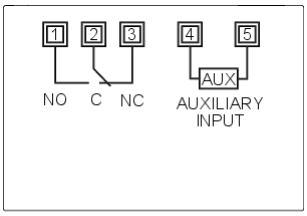
Front View



Side View



Wiring diagram



With external contact closed:

- Setpoint = Setpoint -3 °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.

Compatible cover frames

ABB
ABB Chiara series

ABB
ABB Mylos series

Ave
Ave S44 series

Ave
Ave Smart Series

Ave
Ave Tekla Series

Bticino
Bticino Axolute series

Bticino
Bticino Axolute Air series*

Bticino
Bticino Light series

Bticino
Bticino Light tech series

Bticino
Bticino Living International series

Bticino
Bticino Living Now series*

Bticino
Bticino Livinglight series

Bticino
Bticino Livinglight Air series

Bticino
Bticino Matix series

Bticino
Bticino MatixGO series*

Gewiss
Gewiss Chorus series

Vimar
Vimar Arké series

Vimar
Vimar Eikon series

Vimar
Vimar Eikon Evo series

Vimar
Vimar Idea series

Vimar
Vimar Linea series*

Vimar
Vimar Plana series

Vimar
Vimar Plana UP series*

* via accessory not included in the package, which can be purchased separately (see dedicated section)
For information on whether different cover frames can be used, contact the technical service department

Accessories compatible with the product

AXO AIR + TEKLA
VE767500
Support for BTicino Axolute Air®, Ave Tekla® or Ave Smart® cover frame for 3-module flush-mounted products

NOW.Iride/Aros
VE786500
BTicino Living Now® kit for Iride/Aros. Colours white, black and sand

NOW.Iride/Aros Bianco
VE792900
BTicino Living Now® kit for Iride/Aros. White colour

NOW.Iride/Aros Nero
VE793000
BTicino Living Now® kit for Iride/Aros. Black colour

NOW.Iride/Aros Sabbia
VE793100
BTicino Living Now® kit for Iride/Aros. Sand colour

Fr.Aros Argento
VE762800
Silver-coloured cover frame for Aros

VLN.Iride/Aros Canapa
VE797000
Vimar Linea® kit for Iride and Aros

Supporto.Matix GO®
VE797100
Support for the BTicino Matix Go® cover frame for 3-module products

LINEA BIANCO
VE795600
Support for the Vimar Linea® cover frame for 3-module products. Colour white

LINEA GRIGIO
VE795700
Support for the Vimar Linea® cover frame for 3-module products. Colour black

VPU
VE801600
Vimar Plana Up® cover cover frame bracket for three-module products

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

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.