KEO-B LCD

VE267100



3-module battery-operated electronic thermostat with backlit display for flush-mounted installation (type 503). Device designed for room temperature regulation in heating mode (winter) and cooling mode (summer). Keyboard consists of two physical keys immediately below the 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/remote temperature probe
- Display showing measured temperature
- 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 switched on when keys are pressed
- Configurable digital input for connecting an external contact to reduce the set temperature by 3 °C, or an X.temp temperature probe (code VN883500)
- Double password keyboard lock:
  - Total lock to prevent any modification by unauthorised people
  - Parameter access lock to prevent modification of the device's advanced programming by unauthorised people. The user will still be able to act on/off the device, on the temperature setpoint value and on night reduction.
- 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

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Revision date: 2026-02-02

Parameter settings	
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	
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	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 Anthracite grey
Device command	Keys
Backlighting	✓
Backlight color	Blue
Overall dimensions	
Height (A)	50 mm

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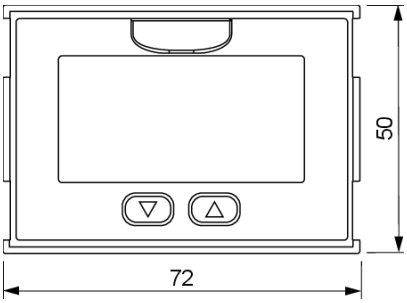
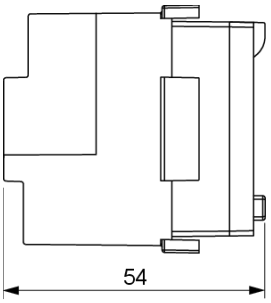
Overall dimensions	
Width (B)	72 mm
Depth (C)	53 mm

Dimensions

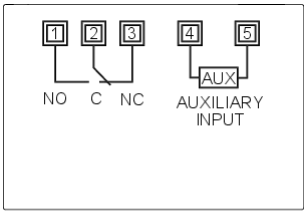
Front View



Side View



Wiring diagram



Configurable auxiliary input:

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

Product variants

KEO-A LCD

VE558300

Flush-mounted thermostat (three modules) rated at 230 VAC with a backlit display. Available in white or anthracite gray.

KEO-E LCD

VE771500

Battery-powered flush-mount thermostat (three modules) with a non-backlit display and a digital input. Color: white.

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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

Fr.Keo-B LCD Argento
VE763000
Silver-coloured cover frame for Keo-B LCD and Keo-E LCD

VLN.Keo-B LCD Canapa
VE796900
Vimar Linea® kit for Keo-B LCD and Keo-E LCD

Fr.Keo-B LCD Grigio chiaro
VE797600
Light grey front panel for Keo-B LCD and Keo-E LCD

NOW.Keo LCD
VE786400
BTicino Living Now® kit for Keo LCD. Colours white, black and sand

NOW.Keo LCD Bianco
VE792600
BTicino Living Now® kit for Keo LCD. White colour

NOW.Keo LCD Nero
VE792700
BTicino Living Now® kit for Keo LCD. Black colour

NOW.Keo LCD Sabbia
VE792800
BTicino Living Now® kit for Keo LCD. Sand colour

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

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

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

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

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

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