Dafne

VN166500



Battery-operated electronic smart thermostat with weekly programming, backlit display, for 3-module flush-mounted installation (type 503). Device designed for room temperature regulation in heating mode (winter) and cooling mode (summer). Keyboard consists of four physical keys 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 and set programming
- 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
- Blue display backlighting that can be switched on when keys are pressed
- 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
- Configurable digital input for connecting an external contact to switch off the device, or an X.temp temperature probe (code VN883500)
- 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
Power reserve	1 minute
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

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.

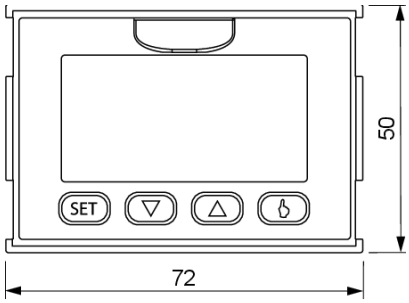
Temperature settings	
Measured temperature compensation range	- 5 ÷ 5 °C
Parameter settings	
Type of adjustment	ON-OFF or proportional
Differential/Hysteresis	0.1 ÷ 1 °C
Modes of operation	Summer Winter Off
Programming	Weekly
Programming resolution	1 hour
Measure	
Temperature display resolution	0.1 °C
Temperature measurement accuracy	0.5 °C
Functions	
Timing function	✓
Automatic daylight saving/standard time changeover	✓
Keypad lock function	✓
Delay function	✓
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

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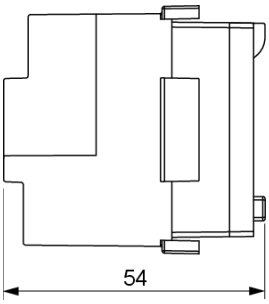
Mechanical features	
Protection degree	IP40
Physical features	
Color	White Anthracite grey
Device command	Keys
Backlighting	✓
Backlight color	Blue
Overall dimensions	
Height (A)	50 mm
Width (B)	72 mm
Depth (C)	54 mm

Dimensions

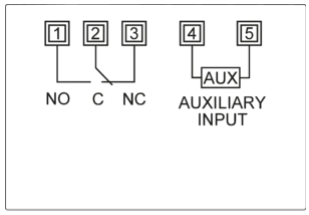
Front View



Side View



Wiring diagram



Configurable auxiliary input:

- for external probe
- for external contact (with external contact closed, smart thermostat off)

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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*

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

Accessories compatible with the product

Fr.Dafne Argento
VE762900
Silver-coloured cover frame for Dafne

Fr.Dafne Grigio chiaro
VE797400
Light grey front panel for Dafne

NOW.Dafne
VE786300
BTicino Living Now® kit for Dafne. Colours white, black and sand

NOW.Dafne Bianco
VE792300
BTicino Living Now® kit for Dafne. White colour

NOW.Dafne Nero
VE792400
BTicino Living Now® kit for Dafne. Black colour

NOW.Dafne Sabbia
VE792500
BTicino Living Now® kit for Dafne. Sand colour

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

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

VLN.Dafne Canapa
VE796800
Vimar Linea® kit for Dafne

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

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