Celo LCD-INT

VE780301



[Model variant]

230 Vac electronic thermostat with a backlit LCD display, designed exclusively for installation in round flush-mount boxes. Device designed for room temperature regulation in heating mode (winter) and cooling mode (summer). The keyboard consists of two physical buttons located below the display. The device features an “ADJ” menu that allows you to adjust the temperature measured and displayed on the screen, compensating for any deviations caused by the installation location.

General features

- Installation in round flush-mount boxes with a 60 mm center-to-center distance for screw fastening
- Terminal block on the back of the device for connecting load and power supply
- Display showing measured temperature and system status
- Temperature control: on/off (with adjustable differential) or proportional
- Anti-freeze temperature to prevent system freezing when the device is in OFF state
- Keypad lock function with password to prevent modifications by unauthorised people
- Blue display backlight always on (can be switched off)
- Possibility of limiting the range of settable temperature values
- Displayed temperature correction function (“ADJ” menu)
- 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
- Metal bracket included to adapt the instrument to the cover cover frames of the major international residential series

Technical specifications

Power supply	
Power supply	230 Vac (-10% ÷ +10%)
Frequency	50 / 60 Hz
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: 2026-09-01

Measure	
Temperature measuring range	0 ÷ 50 °C
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
Outputs	
Relay number	1
Relay type	Normally open
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)	40 mm
Width (B)	40 mm
Depth (C)	42 mm

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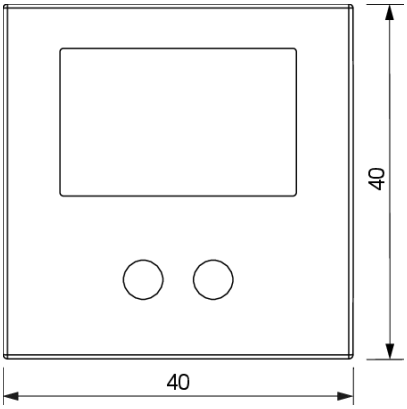
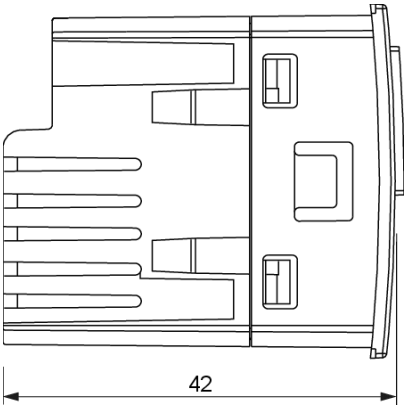
Dimensions

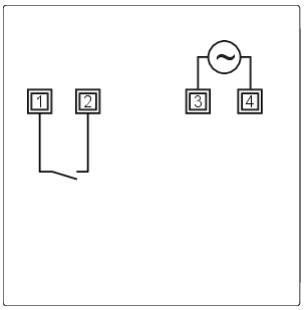
Front View



Side View



Wiring diagram



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Compatible cover frames

Berker
Berker B3 series

Berker
Berker B7 series

Berker
Berker K1 series

Berker
Berker K5 series

Berker
Berker Q1 series

Berker
Berker Q7 series

Berker
Berker S1 series

Busch-Jaeger
Busch-Jaeger FUTURE LINEAR

Busch-Jaeger
Busch-Jaeger REFLEX SI

Busch-Jaeger
Busch-Jaeger REFLEX SI LINEAR FUTURE

Busch-Jaeger
Busch-Jaeger AXCENT series

Busch-Jaeger
Busch-Jaeger CARAT series

Busch-Jaeger
Busch-Jaeger DURO 2000 SI series

Busch-Jaeger
Busch-Jaeger DURO 2000 SI LINEAR series

Busch-Jaeger
Busch-Jaeger SOLO series

Gira
Gira E2 series

Gira
Gira E3 series

Gira
Gira EVENT series

Gira
Gira F100 series

Gira
Gira STANDARD 55 series

Jung
Jung A 550 series

Jung
Jung AS series

Jung
Jung CD 500 series

Jung
Jung LS 990 series

Merten
Merten 1-M

Merten
Merten ATELIER-M series

Merten
Merten M-PLAN series

Merten
Merten M-PURE series

Merten
Merten M-SMART series

For information on whether different cover frames can be used, contact the technical service department

Accessories compatible with the product

Fr.Celo LCD Argento

VE780800

Silver-coloured cover frame for Celo LCD

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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