Akuos Nero

VE791300



Battery-operated wall-mounted electronic touch screen humidistat with backlit display. Device designed for humidity regulation in domestic and tertiary environments. The keyboard consists of two 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
- Touch screen keys on the bottom of the display
- Blue display backlighting that can be switched on when keys are pressed
- Display showing measured humidity and indication for low battery situations, out-of-range values or failure
- Terminal block on the back of the device for load connection
- Humidity compensation of +/-10% RH via settable parameter
- Possibility of limiting the upper and lower range of the setpoint values
- Keypad lock function with password to prevent modifications by unauthorised people

Technical specifications

Power supply	
Power supply	2 batteries (AAA) 1.5 V Alkaline NOT rechargeable
Battery autonomy	12 months
Humidity settings	
Humidity setting range	OFF, 30% ÷ 90% RH
Parameter settings	
Differential/Hysteresis	± 2.5% RH (fixed differential)
Measure	
Humidity display resolution	1% RH
Humidity measurement accuracy	±5% RH
Functions	
Measured humidity value displaying	✓
Keypad lock function	✓
Functional characteristics	
Time between 2 commutations	1 minute
Operating conditions	
Operating temperature range	0 ÷ 50 °C
Relative humidity	20% ÷ 90% non-condensing RH

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

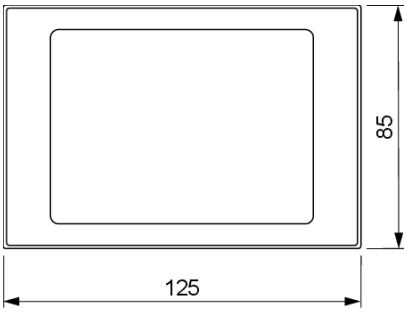
Akuos Nero

VE791300

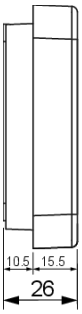
Operating conditions	
Storage temperature range	-25 ÷ 70 °C
Viewing	
Display	Backlit LCD
Outputs	
Relay number	1
Relay type	Heat exchange
Relay capacity at 250 Vac	5 A
Terminations	
Maximum cable cross-section	1.5 mm²
Mechanical features	
Protection degree	IP40
Physical features	
Color	Black
Device command	Touch screen
Backlighting	✓
Backlight color	Blue
Overall dimensions	
Height (A)	85 mm
Width (B)	125 mm
Depth (C)	26 mm

Dimensions

Front View

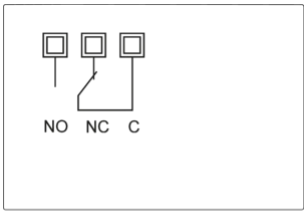


Side View



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.

Wiring diagram



Product variants

Akuos Bianco

VE791200

Battery-operated wall-mounted touch screen humidistat with backlit display. Colour white

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 60730-2-13 • 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.