AHT J - 1P4U

VE254900



Analogue panel-mounted temperature controller (48x48) for temperature control in heating mode only. The device can be connected to type J thermocouples.

General features

- Knob for setpoint adjustment
- Red LED to indicate output status
- 6.3 mm Faston terminal block
- ON/OFF type of adjustment (with microprocessor)
- LED for output trip signalling

Technical specifications

Power supply	
Power supply	24 ÷ 240 Vac (-10% ÷ +10%)
Frequency	50 / 60 Hz
Absorption	~3 VA
Parameter settings	
Type of adjustment	ON-OFF
Differential/Hysteresis	10 °C (fixed differential)
Switching delay	3 seconds
Measure	
Temperature measuring range	0 ÷ 600 °C
Temperature measurement accuracy	± 5% of full scale °C
Operating conditions	
Operating temperature range	0 ÷ 50 °C
Relative humidity	30% ÷ 95% non-condensing RH
Inputs	
Number of connectable probes	1
Type of connectable probes	J(Fe-Co)
Outputs	
Relay number	1

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

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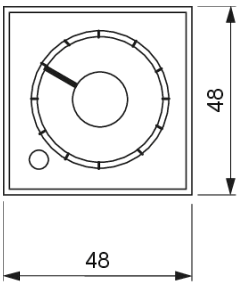
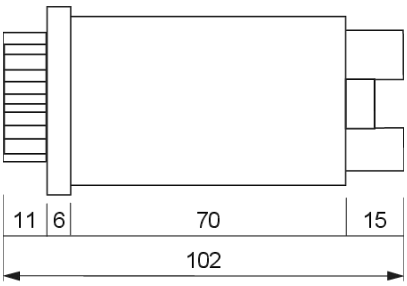
Outputs	
Relay type	Heat exchange
Relay capacity at 250 Vac	8 A
Terminations	
Termination type	Faston terminals
Maximum cable cross-section	6.3 mm²
Mechanical features	
Protection degree	IP54
Overall dimensions	
Height (A)	48 mm
Width (B)	48 mm
Depth (C)	102 mm
Dimensions	
Product weight	200 g

Dimensions

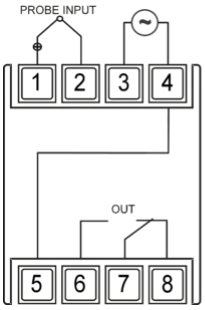
Front View



Side View



Wiring diagram



K (Cr-Al) J (Fe-Co)

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Accessories compatible with the product

Fe-Co (J)

VJ44330000

2-wire J-type thermocouple for temperature detection, length 3 m

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 61326-1 • EN 61010-1 • EN IEC 63000

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