

TEMPERATURE CONTROLLER PT-421

PT-421 is a device used for air or water temperature continuous measurements. Enables the temperature regulation with use of relays (maximum and minimum).

The controller is available in three versions:

1. Equipped with two relays to control valves or signalisation system.
2. Equipped with 0 ÷ 20 mA or 4 ÷ 20 mA current loop.
3. Equipped with a RS-232 output with a software to collect the data on a PC.

Optionally, the connection may be made by USB output with use of RS-232 / USB converter (additional equipment).

The controller cooperates with PT-1000s platinum resistor temperature probe of higher accuracy, build in a steel pipe of 3 mm diameter.

Probe and cable length to be determined by the customer (standard: 5 m).

Recommended types of cables: silicone, resistant to temperature up to 250°C, with additional protection (steel braid).

It is possible to calibrate the meter by entering the probe's data.

The meter is equipped with a large, easy-to-read backlit LCD display.

PT-421 is equipped with a hanger for mounting on a wall .

24 months of warranty.



TECHNICAL DATA

Range	-70.0 ÷ 400 °C	
Resolution	In range -70 ÷ 199.9 °C: 0.1 °C, above 199.9 °C : 1 °C	
Accuracy*	Range	Pt-1000s sensor
	-70 ÷ 0.0 °C	±0.9 °C
	0.0 ÷ 99.9 °C	±0.3 °C
	100.0 ÷ 199.9 °C	±1.5 °C
	200 ÷ 400 °C	±3.0 °C
Weight / Dimensions	180 g / L = 149, W = 82, H = 22	
Power supply	12 V / 100 mA power adapter	
Relays' parameters	2A/250VAC/30VDC	
Isolation class	according to PN-83/T-06500	
Radio-electric interference	N level	
Temperature sensor	Pt-1000S	

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