

## STATIONARY HUMIDITY CONTROLLER PWT-421

**PWT-421** measures relative humidity and ambient temperature.

The measurement is made with a high-class humidity sensor built in the bottom part of the device or connected with it by a cable.

The controller is available in two versions:

1. Equipped with two relays to control external devices or signalisation system.
2. Equipped with 0 ÷ 20 mA or 4 ÷ 20 mA current loop.

Meter is equipped with a backlit LCD display.

Waterproof housing IP-66.

The meter is factory calibrated.

User's calibration possible in 2 points: 33 % RH and 75 % RH.

Powered with 12 V adapter.

Equipped with a hanger for mounting on a wall.

24 months of warranty.

The sensor can't be used for measurements in a dusty atmosphere, chambers with chemical, fat, or oil fumes or in presence of aggressive gases.

The meter may collect up to 8000 data sets including measured result, measured temperature, time and date. The data may be collected with chosen time interval. The available values of the interval are 1, 2, 5, 10, 15, 30 and 60 minutes.

If the memory capacity is used up the oldest result is deleted and replaced with a new one. The collected or actual results may be transferred to a PC with use of the USB connector. The delivered in set software enables the transmission.



### TECHNICAL DATA

Function	Humidity	Temperature
Range	0 ÷ 100% RH	-40.0 ÷ 70.0 °C
RH resolution	0.1% RH	0.1 °C
Accuracy	10 ÷ 90% ±2% RH beyond this range ±4%	±0.8 °C
Reaction time: t <sub>90</sub>	< 10s	< 8s
Hysteresis	< 1% RH	-
Long-term offset	0.5% RH/year	-
Power supply	12V / 100 mA power adapter	
Memory	8000 data sets collected with chosen time interval	
Isolation class	according to PN-83/T-06500	
Radio-electric interference	N level	
Dimensions (mm)	L=149, W = 82, H = 22	
Weight	180 g	
Relays' parameters	2A/250VAC/30VDC	

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