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 three 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.
3. Equipped with 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).

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.
PWT-421 is 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.

TECHNICAL DATA

Function	Humidity	Temperature
Range	0 ÷ 100% RH	-40.0 ÷ 70.0 ^{0}C
RH resolution	0.1% RH	0.1 ^{0}C
Accuracy	10 ÷ 90% ±2% RH beyond this range ±4%	±0.8 ^{0}C
Reaction time: t_{90}	< 10s	< 8s
Hysteresis	< 1% RH	-
Long-term offset	0.5% RH/year	-
Power supply	12V / 100 mA power adapter	
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	