Измерители влажности PWT-801

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

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Эл. почта mrz@nt-rt.ru || Сайт: https://elmetron.nt-rt.ru/

HUMIDITY CONTROLLER PWT-801

PWT-801 humidity controller is used for air humidity measurements. It is one of the devices of new generation representing wide range of use.
PWT-801 is a stationary device in a housing resistant to humidity (IP-65). The device is equipped with a large, backlit, graphic display, presenting the temperature and humidity readout and the status of each relay simultaneously.

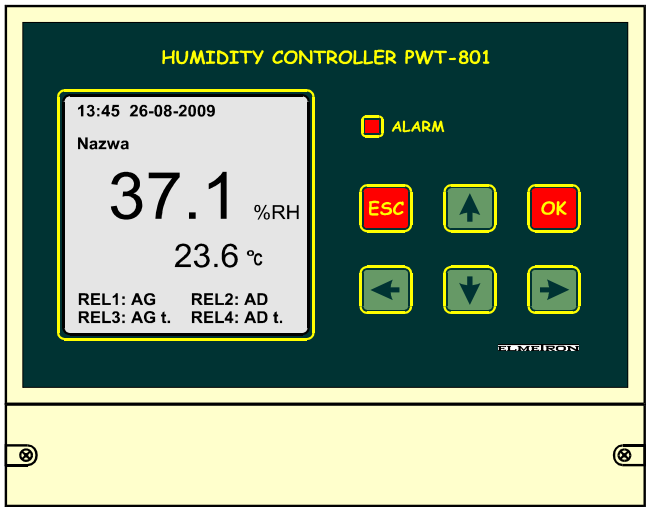
Characteristic features:
High measurement accuracy and stability have been ensured.
PWT-801 is characterised by an easy and intuitive operating.
It is equipped with a collective optical signalisation of working correctness and the progress of regulation process.
The controller is powered with standard 230V voltage, which is galvanically isolated from the input clamps.
It is possible to use different power supply voltage: 110/230/24V AC, 12 – 24V DC. The device signalises low power supply level.

Outputs:
relays (alarm or PID regulation);
isolated; digital: RS-485, MODBUS (ASCII and RTU);
isolated current outputs: 0 ÷ 20 or 4 ÷ 20 mA.

In case of using the relays and exceeding the entered lower or upper limits, the proper relay is switched (minimum and maximum alarm), otherwise the duty cycle coefficient or frequency is changed (for the PID regulator).
Thanks to the modern electronic components the controller's memory has become fully independent from the power supply.
The device is easy to operate, has an English menu.
The device is equipped with the real time clock with date.
It is possible to connect to the remote panel (keyboard with display), which enables to control the device from up to 1 km distance.

There is a possibility of wireless data transmission from the sensor to the controller.
CE Certificate.
24 months of warranty, quick warranty and after warranty service.
Competitive price.

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.
Condensation of water on the sensor requires drying, wet sensor has wrong indications.



TECHNICAL DATA

Measured value	% RH, temperature (ºC)
Range RH	0 to 100 %
Resolution	0.10% RH
Accuracy	in range 10 ÷ 90 % RH ±2 % RH ±1 digit beyond this range: ± 4 % RH ±1 digit
Temperature measuring range	-40 ÷ 70 ºC
Temperature accuracy	±0.8 ºC ±1 digit
Temperature compensation range	-20 ÷ 70 ºC
The relays' parameters	2A/250VAC/30VDC, PID controlling
Measurement imput	isolated
RH datalogger output	isolated, 0 ÷ 20 mA or 4 ÷ 20 mA
Temperature datalogger output	isolated, 0 ÷ 20 mA or 4 ÷ 20 mA
RS485 output	isolated
Maximal RS connection length	1000 m
Maximal cable length between preamplifier and controller	200 m
Maximal distance between sensor and preamplifier	10 m
Power	230 V 50Hz, for a special order 170VAC÷250VAC, 24VDC/24 VAC
Isolation class	PN-83/T-06500
Radio-electric interference	N level
Dimensions	215 x 215 x 95 mm
Weight of controller / preamplifier	1350 g / 150 g
Ambient temperature	-20 ÷ 40 ºC
Atmospheric humidity / pressure	max. 80% / 80 ÷ 110 kPa
Atmospheric aggressivity level	N/2/AG-U/C

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