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	Самара (846)206-03-16	

Единый адрес: psx@nt-rt.ru **Веб-сайт:** www.pixsys.nt-rt.ru

Контроллеры DRR227 PIXSYS. Техническое описание

DIN rail PID thermoregulator **DRR227**

Control and alarm functions, SSR Burst-firing and Phase Angle control options, multi-voltage power supply



DIN rail-mounted thermoregulator 43880 Single process setpoint, dual alarm threshold.

The analogue input can be configured for different types of temperature sensors RTD/Thermocouples and processes, the relay outputs and SSRs can be used as control and alarm. An input is available for a TA current transformer with a maximum current threshold. Useful extended range power supply from 24 to 230V AC/DC with galvanic isolation from the network.

The software's functions include the SSR Burst-firing and Phase Angle control modes for inductive loads, resistive loads and infrared bulbs (monophase and triphase systems).

The digital input allows the external activation of various functions, including selection of automatic/manual mode.

User friendly, multimedia support and traceability

For the entire range of Pixsys products we provide [technical support](#) for installation, programming and operation via our [online forum](#) and via Skype.

The interface of the DRR227 thermoregulator ensures that the product is easy to use and that the user is also supported by auxiliaries for programming such as MEMORY-CARD or the LABSOFTVIEW programming software

Programming tutorial videos are available on our [youtube channel](#).

As for the entire range of PIXSYS products, thanks to the QR code the traceability of the product is guaranteed for its entire life cycle; the information and documentation online can be also be accessed by reading the QR CODE that directs your mobile device to the product's technical specifications and verifies its warranty conditions.

Ordering codes

DRR227-12ABC

1 Analogue input + 1 Ing. TA + 2 Relay 5 A + 1 SSR 12 Vdc (with Burst Firing option / Phase angle single phase) / Alim. 24...230Vac/Vdc

Main features

Box

4 modules, DIN43880, DIN EN50022 rail mounted

Power supply

24...230Vac/dc $\pm 15\%$ 50/60 Hz (galvanical isolation)

Consumption

5,0 VA, 4W

Display

4 digit 0,4" green + 4 digit 0,3" red

Operating conditions

Temperature 0-45 °C, humidity 35..95 uR%

Material

Box: Polycarbonate self-extinguishing V2

Weight

Approx. 195 g

Sealing

IP65 (Front panel) , IP20 (Box and Terminal blocks)

Quick set-up options

Memory Card micro USB, software LABSOFTVIEW, EASY-UP codes

Terminal blocks

6 + 6 / 2 + 2 extractable

Inputs

Analogue

1 - selection TC, K, J, S, R, E, N, B, PT100, PT500, PT1000, Ni100, PTC1K, NTC10K (B 3435K), Input 0/4...20mA, 0...10V, 0...60mV, Potenziometro 6K/160K F.S.

Acquisition time / Resolution

100 ms (Frequency 10 Hz) - 14 bit (20000 punti per 0...10V - 20000 punti 4...20mA).

Tolerance

0.3% per °C (a 25°C) - 0.3% per V/mA

Digital

1 - PNP

TA Input

1 - for 50A/50mA amperometric transformer

Outputs

Relays

1/2 - Relay 2 A - 250 Vac resistive charge

Statics

1/3 - SSR 12 Vdc - 30 mA max

Software features

Control algorithms

ON - OFF with hysteresis, P., P.I., P.I.D., P.D. time proportioned

Tuning

manual or automatic

Data protection

Lock of control / alarm setpoint, access to parameters by password

Alarm modes

Absolute / Threshold, band, high / low deviation. Alarm with optional manual reset

Auto/ Man function

Command output percentage

Soft-Start

Rising gradient expressed as Degrees / Hour

Command algorithms

Integrated control option for inductive and resistive loads and IR lamps with loop control for SSR. -
Burst firing in basic or advanced versions - Phase angle single phase

Heater Break

from TA input with open loop / short-circuit alarm

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