

По вопросам продаж и поддержки обращайтесь:

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Казань (843)206-01-48	Оренбург (3532)37-68-04	Уфа (347)229-48-12
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Киров (8332)68-02-04	Рязань (4912)46-61-64	Ярославль (4852)69-52-93
	Самара (846)206-03-16	

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

Контроллеры DRR450 PIXSYS. Техническое описание

PID temperature controller **DRR450**

PID thermoregulator integrated into SSR module for multizone systems



The DRR450 thermoregulator has been designed to control temperature and current on multizone systems via RS485 communication standard and Modbus RTU/Slave protocol.

It is extremely compact and features direct plug-in connection to the mono-phase SSR power module, reducing wiring costs and installation time.

The integrated current transformer allows monitoring of current on the load and management of the relative alarm.

In addition to SSR control output, a second output is available on the controller and it is programmable for alarms or heating/cooling PID functions.

For monitoring and controlling systems up to 150 DRR450 units, Pixsys has developed the software SupervisorDRR450 running on Pixsys Panel PC TD850/TD900.

Application fields include plastic extrusion, injection moulding, packaging, furnaces, dryers, textile machineries and generally multizone heat treatment systems.

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.

Programming of PID controller DRR450 is supported by LABSOFTVIEW software.

Our youtube channel features video tutorials for initial set-up of SupervisorDRR450.

As for the entire range of PIXSYS products, traceability of the product is guaranteed during its entire life cycle by QR code; information and documentation online can be accessed reading QR CODE by mobile device with immediate visualization of technical data and check of warranty status.

Ordering codes

DRR450-12AD

1 Analogue input + 1 Digital PNP 5V + 1 Digital PNP 24 VDC auxiliary + RS485 + T.A. / Alim 24 VDC

Main features

Box

Module 22,5mm series Celduc ESUC DIN-rail mounting EN50022

Power supply

24VDC $\pm 10\%$ (galvanically isolated from RS485 and input)

Consumption

1 VA

Operating conditions

Temperature 0-45 °C, humidity 35..95 uR% (non condensing)

Material

Box: Polycarbonate V0

Weight

Approx. 75 g

Sealing

Box and Terminal blocks: IP20

Quick set-up options

Software LABSOFTVIEW

Wiring

With terminal extension on wiring system, Plug-in module of SSR

Inputs

1 Analogue

Res. 13 bit, Selection TC, K, J, T, E (automatic compensation of the cold junction 0..50 °C, $\pm 0,2\%$ F.S.),

1 Current transformer

Integrated T.A. with 50A F.S. - resolution 0,1A

Outputs

1 Digital integrated

5VDC - 20mA max for direct command of SSR Celduc SU series

1 Digital auxiliary

24 VDC - 50 mA max on terminal blocks

Serial communication

RS485 Modbus RTU - Slave (9600...115200 Baud)

Software features

Control algorithms

ON - OFF with hysteresis, P., P.I., P.I.D., P.D. time proportioned. Auto/ man regulation

Tuning

Manual, automatic or synchronized to serial command

Alarm mode

Absolute / Threshold, band, High / Low deviation, parallel to command output. Loop/ Heater

Break Alarm function

Soft-start

Gradient setting of the output command in percentage

Double P.I.D.

Double action Heating / Cooling P.I.D.

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