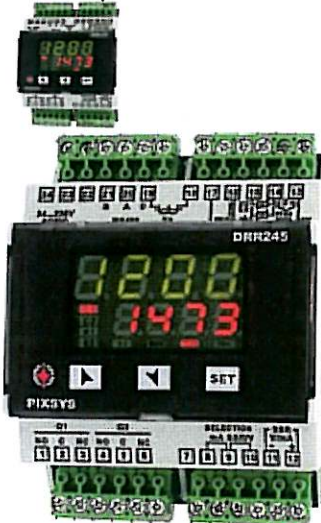


# Pixsys DRR245 Process Controller

DIN rail mounted controller with universal input and output



## Applications of the Pixsys DRR245 Process Controller

- Metalworking furnaces
- Heating element control
- Refrigeration
- Plastics extrusion, injection molding
- Dryers
- Load cell control
- Motorized valve control

The advanced Pixsys DRR245 process controller is specifically designed for industrial control panels where the controller/indicator has to be mounted on a DIN rail. The Pixsys DRR245 process controller features universal input configurable for up to 18 different sensor options and is suitable both for stand-alone installation and for remote control via RS485 communications. These features make the Pixsys DRR245 process controller very flexible and appropriate for a multitude of applications.

A main feature of the Pixsys DRR245 process controller is the many types of sensor input for which the unit is configurable. The Pixsys DRR245 process controller accepts input from a full range of thermocouples, RTDs, current transformers, and potentiometers. Output options available to the Pixsys DRR245 process controller include relays (including Open/Close logic for valves), SSR, 4-20mA and 0-10 Volt (both for control and/or rescalable retransmission of setpoint/process value). The Pixsys DRR245 process controller has an extended power supply range of 24 to 265Vac/dc.

The Pixsys DRR245 process controller also has a retransmission function to convert signal or thermocouple input to output (either 4-20mA or 0-10V). Serial communication via RS485/ModbusRTU protocol and load monitoring via current transformer are both standard functions of the Pixsys DRR245 process controller. A Latch-on function for sensor calibration (including load cells) is also included. A Windows®-based software package is available to set all parameters on PC and save the programs to/from controllers, for archive purposes, and to reduce the time required for start-up. A memory card with internal battery is provided with the Pixsys DRR245 process controller which allows the parameters and settings to be duplicated within seconds without connecting the controller to a power supply. An additional Memory Card also allows upgrade of firmware.

The Pixsys DRR245 process controller is approved by CE, CSA and UL.

## Quick Specs

- Part number DRR245-21ABC-T
- Manufactured by [Pixsys](#)
- Universal input and output
- Configurable for T/C, RTD, mA, V, mV, CT, Potentiometer
- Universal output: 2 relays, SSR driver, 4-20mA or 0-10V
- Universal power supply: 24-230 AC/DC
- Digital input: start tuning, reset latch alarm or change setpoint
- Compact: just 2.8"(w) x 3.85"(h) x 2.5"(d)
- Auto/manual and soft-start functions
- 3-segment ramp/soak profile
- RS485 Modbus communications
- Memory card for configuration/upgrade
- CE, CSA and UL approvals



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