1603
1/16 DIN
Temperature Controller

- Dual 3-Digit Display of Process and Setpoint
- Heat or Cool, or Heat/Cool PID Control Capability
- SMART Self-Tuning with Fuzzy Logic
- NEMA 4X Faceplate
- Soft Start Power Limiting on Power-Up
- Universal Inputs TC, RTD
- Switching Power Supply from 100-240 Vac, 50/60 Hz or 24 Vac/Vdc

Description

The 1603 Controller is an economical dual display 1/16 DIN with the control features of a sophisticated Auto-tuning PID controller. All controllers come with a flexible second output that can be used for cooling in a heat/cool application or as a fully programmable Alarm output.

Features of the 1603:

- **Soft Start** limits the output on startup to minimize overshoot and distribute heat more evenly in the product.
- **Smart Tuning** during start up and in process
- **Plug-in design**
- **PID Heat/Cool Control**

Applications

- Rubber production, polymerization and synthetic fiber plants
- Packaging and packing equipment
- Fermentation equipment, reactors for chemical and pharmaceutical industries
- Food industries
- Environmental chambers and refrigeration
- Extrusion lines, co-extrusion lines, plastic films and injection presses

During Start-Up

the SMART self-tuning function calculates the control parameters to optimize the rise to setpoint.

During Process

SMART updates the control parameters as needed to respond to setpoint changes or a load change.
Controls

1603
1/16 DIN Temperature Controller (cont’d.)

Specifications

Model 1/16 DIN Temperature Controller
1603 SMART Self-Tuning, 2 Outputs (Heat/Cool or Control/Alarm), Dual 3-Digit Display of Process and Setpoint, Field Selectable Universal Thermocouple or RTD Inputs, Programmable Alarms, IEC 801-4 Noise Immunity, NEMA 4X Splashproof Faceplate.

Ordering Information
Complete the Model Number using the Matrix provided.

In Stock:

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