



Series 16C 1/16 DIN Autotune with 8 Level Ramp and Soak Temperature/Process Controller

Features

- ▶ Field-Configurable Universal Inputs
- ▶ User-Selectable Ramp to Setpoint
- ▶ 8 Level Ramp/Soak Control
- ▶ Bumpless Auto/Manual Transfer
- ▶ NEMA 4X (IP65) Dust and Splash-Proof Front Panel
- ▶ Decimal Display in 0.1° for Measured Temperatures Under 1000° F or C
- ▶ On/Off through Full PID Operation (P,PI,PD,PID)

For more information visit our web site at:

www.tnp-instruments.com/16C_Temperature_Process_Controller.html



Legacy Series 16 1/16 DIN Universal Autotune Temperature/Process Controller

Features

- ▶ Accepts Thermocouple, RTD or Process Signal Inputs
- ▶ Bumpless Auto/Manual Transfer
- ▶ NEMA 4X (IP65) Dust and Splash-Proof Front Panel
- ▶ On/Off through Full PID Operation (P,PI,PD,PID)
- ▶ Auto-Tuning, Heat or Cool
- ▶ Adjustable Hysteresis and Heat/Cool Spread
- ▶ cUL and CE Approvals

For more information visit our web site at:

www.tnp-instruments.com/16_Series_Temperature_Process_Controller.html



Legacy Series 25 1/4 DIN Universal Autotune Temperature/Process Controller

Features

- ▶ Accepts Thermocouple, RTD or Process Signal Inputs
- ▶ User-Selectable Ramp to Setpoint
- ▶ Bumpless Auto/Manual Transfer
- ▶ NEMA 4X (IP65) Dust and Splash-Proof Front Panel
- ▶ On/Off through Full PID Operation (P,PI,PD,PID)
- ▶ Auto-Tuning, Heat or Cool
- ▶ Adjustable Hysteresis and Heat/Cool Spread

For more information visit our web site at:

www.tnp-instruments.com/25_Series_Temperature_Process_Controller.html



ZC and PC Series Solid State SSR Contactors Power Controller

Features

- ▶ All Solid-State Design
- ▶ No Maintenance Required
- ▶ Choose from Zero Crossing or Phase Angle Models
- ▶ Supplied with 3.6" or 5.5" Heat Sink
- ▶ Soft-Start Optional on PC Phased Angle Series

For more information visit our web site at:

www.tnp-instruments.com/PC-ZC-solid-state-relays.html



N1540 1/8 DIN Programmable Temperature Process Panel Meter with USB Communication Port

Features

- ▶ Accepts thermocouples types J, K, T, E, N, R, S, B, RTD Pt100, 0 to 50mV, 0 to 5Vdc, 0 to 10Vdc, 0 to 20mA and 4 to 20mA
- ▶ Temperature in °C or °F
- ▶ Bright 14mm display
- ▶ Two relay alarms SPST 1.5A/240 Vac Standard
- ▶ USB Interface for configuration and monitoring
- ▶ Programmable indicating range from -1999 to 9999
- ▶ Auxiliary 24 Vdc voltage source
- ▶ Sampling rate up to 50 measurements per second
- ▶ Alarm functions LO, HI, differential, differential LO, differential HI, sensor break
- ▶ Recorded maximum HI and minimum LO values can be retrieved via keypad
- ▶ IP65 UL 94 V-2 front; IP20 UL 94V-0 enclosure
- ▶ Silicone rubber keypad
- ▶ CE and UL certification



For more information visit our web site at:

www.tnp-instruments.com/n1540-18DIN-temperature-process-meter.html

N1500 Programmable Thermocouple, RTD and Milliamp 1/8 DIN Panel Meter

Features

- ▶ Accepts thermocouples type J, K, T, E, N, R, S and B; 3-wire Pt100 RTD, 4 to 20mA, 0 to 50mV and 0 to 10Vdc
- ▶ Six digit 13mm ultra bright LED display
- ▶ Accepts and linearizes non-linear 4 to 20mA signals from thermocouple transmitters
- ▶ Two 3A SPST relay alarms in the basic version and two extra relays optional
- ▶ Standard 24Vdc output for field transmitters
- ▶ Programmable scaling from -1999 to +9999 and adjustable digital filter
- ▶ Selectable decimal point for Pt100, 4 to 20mA and 0 to 50mV
- ▶ Alarm functions HI, LO, differential HI, diff. LO and sensor break detection
- ▶ Key panel protection through password to avoid tampering
- ▶ Front panel IP65, Polycarbonate UL94 V-2
- ▶ Back panel: IP30, ABS + PC UL94 V-0
- ▶ CE/UL (FILE: E300526)
- ▶ Universal switching power supply



For more information visit our web site at:

www.tnp-instruments.com/n1500-18DIN-panel-meter.html

N1030 1/16 DIN Shallow Depth Auto Tune Programmable Temperature Controller

Features

- ▶ Only 1.38 inches (35mm) deep
- ▶ Single Loop Auto Tune PID and ON/OFF controller
- ▶ Accepts thermocouples type J, K, and T, and 3-wire Pt100 RTD's
- ▶ Auto-tuning PID Parameters
- ▶ Switching power supply 100 to 240Vac 50 to 60Hz, 48 to 240Vdc ($\pm 10\%$) or 12 to 24 Vdc/ac $\pm 10\%$
- ▶ Dual output 1 pulse and 1 relay
- ▶ Dual 4-digit red and green four-digit display

For more information visit our web site at:

<https://www.tnp-instruments.com/N1030-temperature-controller.html>



N1040 1/16 DIN Auto Tune Programmable Temperature Controller

Features

- ▶ Accepts thermocouples type J, K, T, and 2 or 3-wire Pt100 RTD's
- ▶ Auto-tuning PID Parameters
- ▶ Switching power supply 100 to 240Vac 50 to 60Hz and 48 to 240Vdc $\pm 10\%$
- ▶ Outputs: logic pulse (ideal for driving solid state relays), 1 SPDT relay and 2 SPST relay

For more information visit our web site at:

<https://www.tnp-instruments.com/N1040-temperature-controller.html>



N1020 1/32 DIN Auto Tune Programmable Temperature Controller

Features

- ▶ Accepts thermocouples type J, K, T, E, N, R, S and B; 3-wire Pt100 RTD's, and 0 to 50mV
- ▶ Switching power supply 100 to 240Vac/Vdc
- ▶ Auto-tuning PID Parameters
- ▶ High brightness red LED display
- ▶ Dual output 1 pulse and 1 relay
- ▶ Output functions control, alarm 1, alarm 2
- ▶ USB Communication Port Standard

For more information visit our web site at:

<https://www.tnp-instruments.com/N1020-temperature-controller.html>

