

N1040T 1/16 DIN Timer and Temperature PID Controller



Product Overview

The microprocessor based **N1040T** is a 1/16 DIN size economical and efficient time and temperature controller with auto-tune capability. It can be set up to function in ON-OFF or in PID control modes. It has a reduced depth flameproof plastic case. The unit features two independent timers with operation modes allowing timer association to the controller output or to temperature control. It accepts Pt100 RTDs and thermocouples types J, K and T. It features four configurable outputs for process control, alarm or time. It has universal power supply. Parameter configuration can be password protected with recoverable factory calibration.

Specifications

Input Sensor	Thermocouples J, K, T and Pt100
Resources of PID Control	PWM Auto-tuning
Control Action	Heating or cooling
Control Output	2 relays SPST 1,5 A, 1 Relay 3 A and Vcc logic pulse for Solid State relays Two alarm functions can be directed to a single output
Sampling Period	Up to 55 per second
Communication	RS485 Modbus RTU (optional)
Energy Consumption	6VA
Special Functions	Soft Start 2 alarms (6 types)

Settings	Via USB (mini-B) and NOVUS Quicktune Software
Certifications	CE and UL
Power Supply	100-240 Vac/dc or 12-24 Vdc (optional)
Operation Conditions	Temperature: 0 to 50 °C Humidity: 80% @
Front Panel	IP65 Polycarbonate (PC) UL94 V-2
Housing	48x48 mm (DIN 1/16) ABS+PC UL94 V-0

Other Features

- Loop break protection
- Digital input
- Simplified programming menu makes operator programming easily
- Indelible electronic serial number with 8 digits can be accessed from the display
- Count up and countdown timer
- Adjustable break timing between 00:00 and 99:59 (hh:mm or mm:ss)
- Timer enabling through digital input, Set Point, keypad or by enabling the temperature control
- Timer output can be switched when the time finishes