



# Temperature Controller

## N1040



### Introduction

The microprocessor based **N1040** was conceived for low cost applications and yet achieving high degree of accuracy. It features a short depth enclosure of only 80 mm thus reducing panel space considerably.

Another important innovation is the exclusive removable wiring connection block which translates into ease of use during installation process. It accepts Pt100 RTDs and thermocouples types J, K and T and features four outputs for control and alarm, universal power supply and automatic tuning of the PID parameters.

The **N1040** is set to be the lowest cost temperature controller in the market while keeping high performance standards.

### Specifications

<b>Input Sensor</b>	Thermocouples J, K, T and Pt100
<b>Resources of PID Control</b>	PWM Auto-tuning
<b>Control Action</b>	Heating or cooling
<b>Control Output</b>	1 pulse per SSR and 1 relay output 3 relay outputs (optional) Analog (optional)
<b>Sampling Period</b>	Up to 55 per second
<b>Communication</b>	RS485 Modbus RTU (optional)
<b>Energy Consumption</b>	6 VA
<b>Special Functions</b>	Soft Start 2 alarms (6 types)

<b>Settings</b>	Via USB (mini-B) and NOVUS Quicktune software
<b>Certifications</b>	CE, UKCA and UL
<b>Power Supply</b>	100-240 Vac/dc or 12-24 Vdc (optional)
<b>Operation Conditions</b>	Temperature: 0 to 50 °C Humidity: 80% @ 30 °C
<b>Front Panel</b>	IP65 Polycarbonate (PC) UL94 V-2
<b>Housing</b>	48x48 mm (DIN 1/16) ABS+PC UL94 V-0

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