



## Modular Process Controller

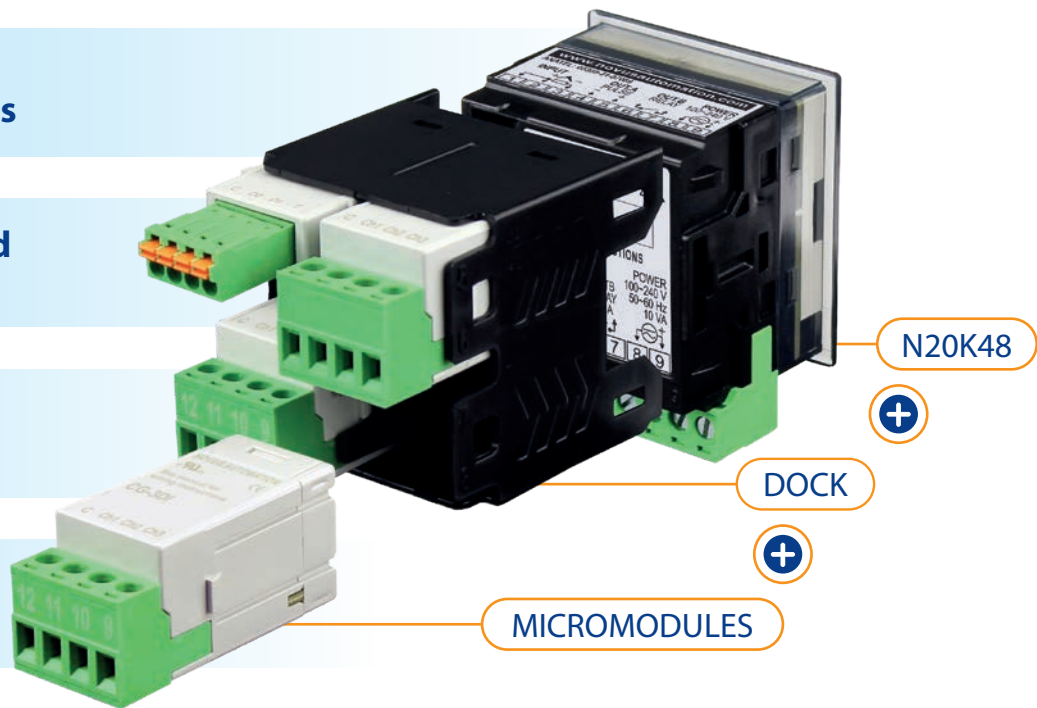


Adaptable resources  
by adding micromodules

Wireless diagnostics and  
easy field maintenance

Lowest depth controller  
in the market

Smartphone and PC  
friendly configuration



Global innovation product from **NOVUS**, we proudly release our **N20K48** controller family. Its new and consistent concept is based on a compact, powerful core controller plus a growing family of micromodules that enables it to meet a wide range of application requirements in the industry. Its excellent cost-effective expansion micromodules allow for scalability of I/O, features and connectivity, in addition to being a single controller model for all family, which avoids dealing with specific and expensive models, allowing easy spare parts inventory management.

The **NOVUS ClickNGo** technology for **N20K48** micromodules ensures expandable capacity for more demanding applications and standardizes the learning and training of industry technical staff.

The native Bluetooth interface offers simple field diagnostic and commissioning through the **QuickTune Mobile** app, which reduces eventual downtime, while the USB interface provides batch configuration option, optimizing workbench series production.

With a new elegant and distinctive design, the controller features large and bright clear-to-read display, while keeping a compact depth enclosure, making it suitable for installation in restricted spaces.

With a design focused on the best user experience, the **QuickTune Mobile** app provides to the user an intuitive mobile platform for configuration management for all controllers and micromodules on the shop floor.

## Expansion ClickNGo Micromodules



\*IN DEVELOPMENT

## Topology



## Technical specifications

<b>Display</b>	11-segment alphanumeric LCD type
<b>Input Type</b>	Thermocouple J, K, T, E, S, N, R, B, Pt100, 0-50 mV, 0-5 V, 0-10 V, 0-20 mA and 4-20 mA
<b>PID Features</b>	PWM, Auto tune
<b>Control Action</b>	1 Loop (Heat or Cool)
<b>Output Control</b>	1 Pulse and 1 Relay 3A
<b>Ramp &amp; Soak</b>	20 Programs, 9 Segments
<b>Sampling Period</b>	18 ms
<b>Power Consumption</b>	10 VA
<b>Special Functions</b>	Soft-Start, PID Loop Break, Ramp and Soak event, 4 Alarms (9 alarm types) and Timer Function

<b>Configuration</b>	<b>QuickTune</b> software for Windows, via USB or Bluetooth <b>QuickTune Mobile</b> app for Android and iOS via Bluetooth
<b>Certifications</b>	CE, UKCA, Anatel and FCC
<b>Power Supply</b>	100-240 Vac/dc or 12-24 Vdc (Optional)
<b>Operate Conditions</b>	Temperature: -20 to 60 °C (-4 to 140 °F) Humidity: 80 % @ 30 °C (86 °F)
<b>Front Panel</b>	IP65, Polycarbonate (PC) UL94 V-2
<b>Enclosure</b>	48x48 (DIN 1/16), material in ABS+PC UL94 V-0

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