



Modular Process Controller

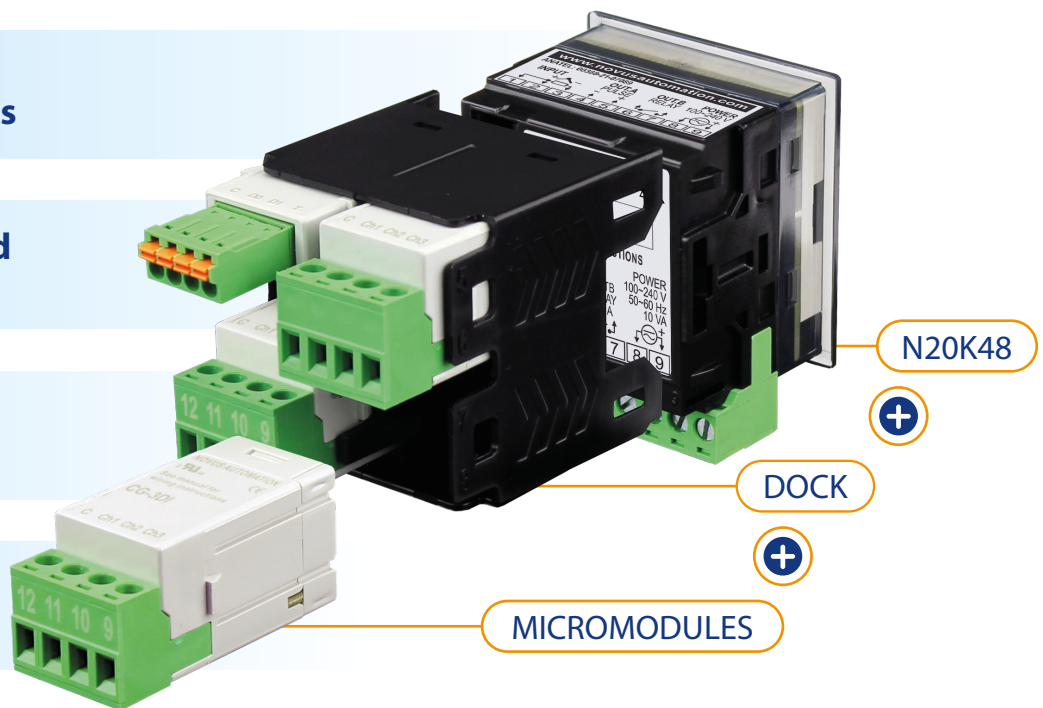


**Adaptable resources
by adding micromodules**

**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



Topology



Technical specifications

Display	11-segment alphanumeric LCD type
Input Type	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
PID Features	PWM, Auto tune
Control Action	1 Loop (Heat or Cool)
Output Control	1 Pulse and 1 Relay 3A
Ramp & Soak	20 Programs, 9 Segments
Sampling Period	18 ms
Power Consumption	10 VA
Special Functions	Soft-Start, PID Loop Break, Ramp and Soak event, 4 Alarms (9 alarm types) and Timer Function

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

20250625 - FL N20K48 - EN