Modular Process Controller

CONFIGURABLE QuickTune

applicable for **INDUSTRY 4.0**

CE · UKCA · RoHS · REACH COMPLIANCE · FRONT IP65 · 3 YEARS WARRANTY · EXPORTED TO MORE THAN 60 COUNTRIES

Adaptable resources by adding micromodules

Wireless diagnostics and easy field maintenance

Lowest depth controller in the market

Smartphone and PC friendly configuration

N20K48

DOCK

MICROMODULES

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.
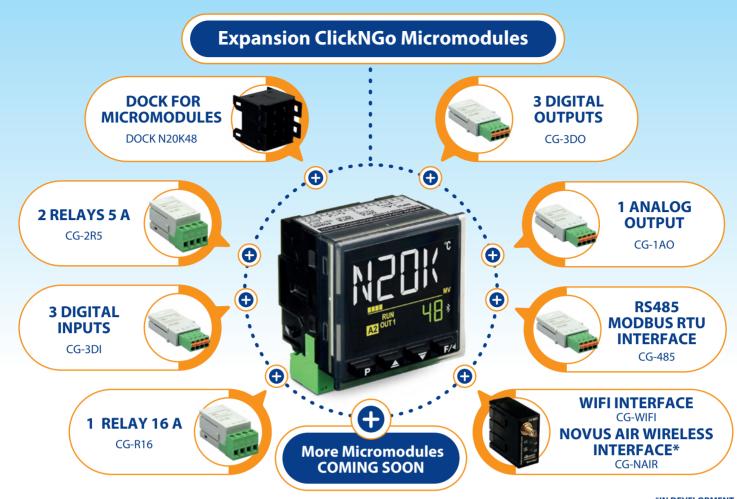
NOVUS
We Measure, We Control, We Record

Expansion ClickNGo Micromodules

DOCK FOR MICROMODULES
DOCK N20K48

3 DIGITAL OUTPUTS
CG-3DO

2 RELAYS 5 A
CG-2R5

1 ANALOG OUTPUT
CG-1AO

3 DIGITAL INPUTS
CG-3DI

RS485 MODBUS RTU INTERFACE
CG-485

1 RELAY 16 A
CG-R16

WIFI INTERFACE
CG-WIFI
NOVUS AIR WIRELESS INTERFACE*
CG-NAIR

More Micromodules COMING SOON

*IN DEVELOPMENT

Topology

SuperView

QuickTune

QuickTune Mobile

RS485

N20K48

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 Suply	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

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