

# PID Temperature Controller N1030



High performance and low cost



**N1030** is the most **compact temperature controller** available on the market.

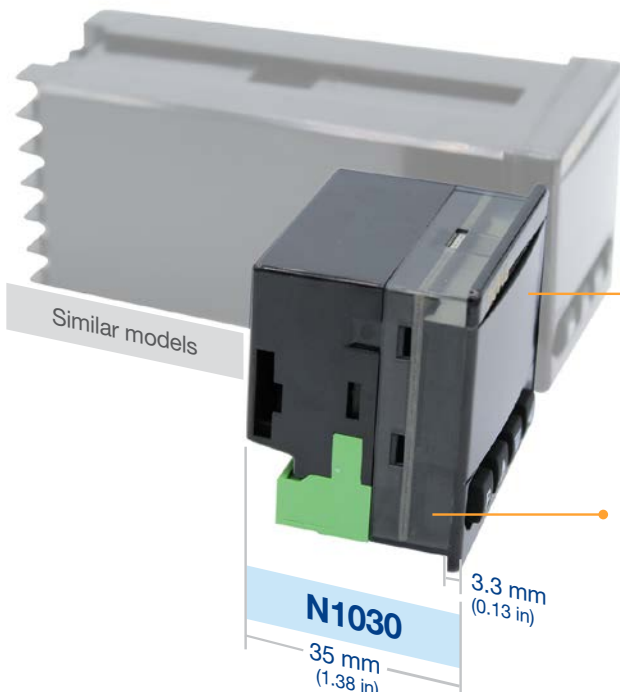
Easy to install and **configure**, it fits perfectly into the most distinct panels, including small ones.

**Configurable**, accepts multiple sensors and work as ON/OFF or PID control mode, ideal for optimizing processes, reducing oscillations and making the system more stable and **efficient**.

The controller also has two outputs that can be used for alarm or control, as well as the innovative detachable terminal block. All this with the advantage of fitting in your hand and your budget.

## DETACHABLE TERMINAL BLOCK

The convenience of unplugging the terminal block facilitates the installation, commissioning and maintenance of the device.



## DISPLAY

The high-bright, easy-to-view dual display features a very low profile that fits perfectly in the panel.

The **IP65** rating guarantees resistance to water jets and complete protection against dust.

## LOWEST DEPTH IN THE MARKET - Only 35 mm

Perfect fit even in panels with short depth, with no contact between terminals and the panel bottom.

# N1030 | PID Temperature Controller

Controller Model	N1030
Input type	J, K, T and Pt100
Accuracy	T/C: 0.25% of span Pt100: 0.2% of span
Detachable terminal block	Yes
Weight	60 g
Dimensions	48 x 48 x 35 mm (1/16 DIN) 1.89 x 1.89 x 1.38 in
Front panel thickness	3,3 mm (0.13 in)
PID auto tuning	Two tuning options (Fast and Full)
Control mode	PID On/Off
Control Action	Heating or cooling
Output	SSR Pulse Relay
Sampling rate	200 ms

Available alarm	1
Alarm Types	Absolute Minimum, Absolute Maximum, Differential, Minimum Differential, Maximum Differential and Sensor Break
Timer	Yes, timer model available
Parameter lock	Password
Approval	CE, UL and cUL.
Front panel protection rating	IP65
Power supply	100-240 Vac / 48-240 Vdc or 12-24 Vdc / 24 Vac
Maximum consumption	5 VA
Panel Format	48 x 48 mm DIN 1/16
Warranty	3 years
Temperature unit	°C and °F
Enclosure material	UL94 V-2



Alternative options with timer, relay+pulse, relay+relay, standard power supply and 24 V



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