

Compare Temperature Controllers N1050LCD & N480D



The N1050 LCD Temperature PID Controller and the N480D Temperature Controller are both high-performance temperature control solutions, each designed with its own distinct features for use in industrial environments. The N1050 stands out for its advanced functionality and premium design features. Its high-contrast multicolour LCD display provides excellent visibility from multiple angles, while the proven PID algorithm ensures precise and stable temperature control. It also offers sophisticated capabilities such as ramp-and-soak profiles and multiple relay outputs, making it ideal for demanding industrial processes. With USB and RS485 Modbus communication, the N1050 enables seamless configuration and integration into automated systems. Its robust construction, flame-resistant housing, and IP65-rated front panel guarantee durability and safety even under harsh conditions.

The N480D Temperature Controller, by contrast, offers professional-level control performance (typically found in other expensive models), yet in a more accessible and user-friendly format. Designed for novice users in mind, it provides straightforward configuration while maintaining advanced versatile features like PID auto-tuning, dual digital displays, plus ramps/soak functions in addition to supporting a wide range of thermocouples and Pt100 RTD sensors. N480D delivers excellent measurement precision with a fast 200 ms output update rate. Its ease of use for simpler applications are prioritised key features. Cost-effective, compact by design, a universal power supply and respectable front panel protection IP65, keeps its sought after.

Here is an example of both temperature controllers in the same application:

For instance; in a plastics extrusion process requiring precise temperature management, the N1050 would be suited for the main extrusion zones where dynamic temperature profiles and communication with supervisory systems are essential. The N480D, on the other hand, could control auxiliary heating zones or smaller equipment where straightforward temperature stabilization is required without complex programming. This distinction highlights how both devices deliver accurate PID control, with the N1050 catering to high-integration in advanced environments, while the N480D prioritises high performance in a more simplistic and reliable manner, as such, each unit supplying high operational capabilities with high precision.

Contact us for more information on our wide range of temperature controllers.

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