

SINGLE ZONE TEMPERATURE CONTROLLER PANEL



- Nexthermal Single channel temperature controller is designed to control the heaters/resistive loads for industrial / laboratories.
- Advanced PID controller with Fuzzy Logic is used to control the temperature by using a universal temperature sensor input
- Plastic NEMA 4X Rated enclosure with vents on either side is used to mount the electrical components and designed for better air circulation to keep the components cool

Model Number

NCP	Nexthermal Control Panel
1P	Single Phase
240V	Maximum Operating voltage for heater
15A	Maximum Current Rating of Heater Output
1	Single channel
U	Universal Input Type Sensor
A	Alarm Output
R	RS-485 Communication
P	Plastic NEMA 4X Rated Enclosure (vented)



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Critical Features

- Easy Plug-and-Play with quick installation
- White PV display with LCD screen for improved visibility
- RS-485 communication to USB serial interface
- USB A to A cable + USB mini / USB-C adapter included
- Advanced artificial intelligence FUZZY+PID control
- Universal input which supports many thermocouples, RTDs, and linear outputs
- Advanced PID controller with RS-485 input
- Alarm output for easy rectification of errors
- SSR controller with zero crossing
- Fast response time of up to 80 ms



Safety Features

- IP-67 Rated Poly carbonate enclosure
- Dedicated fuse for Heater and panel
- Door locking system with a key
- 110C – 240V Power input to panel
- Alarm output
- Separate Switch and LED light for both Controller and Heater

Optional Accessory

- Mobile Android software for setting, monitoring and logging data