

# 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