



AUTOMATIC HEATER CONTROLLER

3 Phase Heater Controller



3 Phase Fully Heater Controller suitable
AC Heater - 40 KW/ 3Phase Input
DC Heater - 40 KW/ 3Phase Input

SPECIFICATION	DETAILS
Power Source Specification	Input 3 Phase 380-480V AC - 50/60 Hz
Output Specification	Available in Two Types : AC output - Max Output same as Input DC output - 01V - 540V DC $\pm 10\%$
Suitable for	AC & DC Heater Configuration
Load capacity	Best suitable for continuous 40 KW/ 3 Phase or DC configuration
Temp Sensor	RTD \rightarrow DPTC, DPTH TC \rightarrow K, J, L, T, R, S etc
Weight	Approx. 8.8 kg
Size	390 * 315 * 170 mm

It is used to control the process/working environment temperature. The PID controller provides the convertor card with precisely calculated power output reference to maintain the temperature exactly at the set point. In its working heaters are not switched on/off but are given controlled power to maintain the desired temperature, so the heaters are not subjected to the maximum potential or power but are given only the required power due to which the damage rate of the heaters is very low and hence heater life is increased as well as energy is saved.

Built in Features :

- Short circuit Trip / Overload 50KW Trip :
Trip is automatically removed after 3 minutes.
If the Trip occurs 5 times, Trip is considered permanent ; Panel supply is cut off and is restarted
- Over Temperature Control:
The Panel is equipped with 2 cooling fans to cool down the dispensed heat inside th panel.
The fans get switched at 50°C and switched off when the temperature goes down to 40°C.
- Protected with reverse Supply protection.
- Acceleration time is set as per requirement within 1-10 sec at the time of order (Factory Default 5 sec)
- Autonics LCD display i.e. PID controller for sensing temperature and power o/p to DC converter card.
- Built in 3 Phase convertor Card.
- Emergency ON/OFF available on Terminal 1 & 2 of control socket.
- Direct sensor wire connections available at Control socket for easy field connection.
- Testing mode available for initial status check before running on Load with ON/OFF switch in panel
- LCD display of current status of 3 phase convertor Card throughout the working
- LCD Display of status of controller On/OFF, Controller Trip, Phase Fail
- Easy to mount and easy Connection