

Model 6653 Temperature Controller with Soak Timer



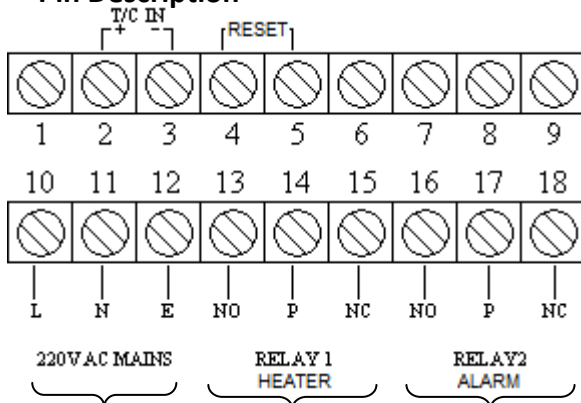
Features

- Microprocessor based controller, K thermocouple with Auto cold junction compensation
- Separate displays for Temperature and Timing
- Heater relay output to control temperature
- Soak Time settable from 1-999mins and activated after set temperature is reached
- Alarm relay output to indicate end of soak time and any intermediate heater failure
- Current status of soak timing saved on power failure
- Non-volatile memory to save settings
- Parallel reset switch at rear for rugged usage for restarting each cycle
- Aesthetically designed front panel with membrane switches

Specifications

- Display : 4 digit 0.56" 7 segment Red LED display for Temperature
4 digit 0.56" 7 segment Red LED display for current soak timing
- Sensor : K thermocouple
- Temperature range : 0 to 1250°C
- Soak time range : 0-999mins
- Accuracy : $\pm 0.1\%$ of Full Scale ± 1 digit
- Heater Relay : On/Off with 3°C hysteresis
- Alarm Logic : On for temp < Set Point-100°C during soak time
On for 30 seconds after end of soak time
- Relay Rating : 5 Amps/220V AC Relay Contact outputs
- Memory : Non-volatile EEPROM to save Set Temperature, Time and status
- Supply : 220V AC $\pm 15\%$ @ 50/60Hz
- Dimensions : Front Fascia: 96mm x 96mm x 135mm. Cut Out: 91mm x 91mm
- Weight : 800 grams

Pin Description



PINS

2. Positive terminal for K Thermocouple
3. Negative terminal for K Thermocouple
4. Reset Terminal 1 (parallel to front panel)
5. Reset Terminal 2 (reset)
10. Line (220V AC)
11. Neutral
12. Earth
13. Normally open contact of Relay 1
14. Pole contact of Relay 1
15. Normally closed contact of Relay 1
16. Normally open contact of Relay 2
17. Pole contact of Relay 2
18. Normally closed contact of Relay 2