

Model 6615 Universal Temperature Controller



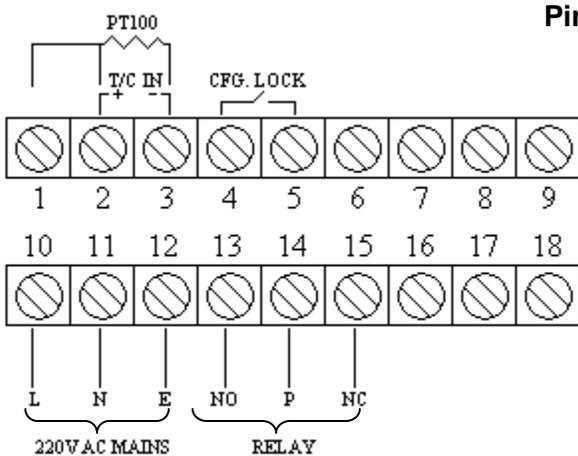
Features

- Microprocessor based controller, linearised for PT100 sensor & 3 thermocouples (J,K,R) with Auto cold junction compensation
- Separate displays for Temperature and Set Point
- Relay programmable as Heater or Cooler logic
- Offset digitally programmable from front
- Configuration lockable by rear jumper
- Proportional/On-Off control user selectable
- User programmable hysteresis band
- Percentage on time settable to avoid overshoots and save power
- Non-volatile memory to save settings
- 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 Green LED display for Set Point
- Sensor : J,K,R & 3 wire PT100
- Range : J T/C : 0 to 750°C K T/C : 0 to 1250°C
R T/C : 0 to 1700°C PT100: -100.0 to +600.0°C
- Accuracy : ±0.1% of Full Scale ± 1 digit
- Relay Logic : Relay programmable as Heater/Cooler logic
On/Off or time proportional with 15 sec cycle time for heater logic
On/Off for cooler logic
5 Amps/220V AC Relay Contact outputs
- Proportional Band : -7.0°C to +3.0°C around set point with 10% per degree cut
- Hysteresis Band : Settable from 0°C to 20.0°C
- Percentage Power : User programmable from 0% to 100% to avoid overshoots and save power
- Offset Band : Settable from -20.0°C to +20.0°C
- Memory : Non-volatile EEPROM to save settings
- Configuration Lock : Open terminals 4&5 to lock the Sensor type, Relay logic and Set Limits
- Supply : 220V AC ± 15% @ 50/60Hz
- Dimensions : Front Fascia: 96mm x 96mm x 135mm. Cut Out : 91mm x 91mm
- Weight : 800 grams

Pin Description and Wiring Diagram



Pins

1. Third terminal of 3 wire PT100 sensor
2. Positive terminal for Thermocouple/PT100 sensor
3. Negative terminal for Thermocouple/PT100 sensor
4. Configuration lock terminal (Open to lock)
5. Configuration lock terminal
10. Line (220V AC)
11. Neutral
12. Earth
13. Normally Open contact of Relay
14. Pole contact of Relay
15. Normally Closed contact of Relay

Directions for Usage

- Current temperature is displayed on upper display and Set Point is displayed on lower display.
- To change Set Point, use increment (▲) and decrement (▼)

Manufactured By:

AUDIOTRONICS

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