16 CHANNEL TEMPERATURE CONTROLLER

Features

- 16 Channel Microprocessor Based Temperature Scanner, linearised for PT100 & 3 T/Cs (J,K,R) with cold junction compensation.
- 16 separate monitor LEDs to indicate channel causing alarm
- Alarm scanning much faster than display scanning
- Manual/Auto Scanning selectable.
- Scan rate settable from front panel up to 99sec/channel.
- User settable logging rate.
- Number of channels user selectable.
- Configuration locks at rear to lock the number of channels and clock settings.
- Non-volatile memory to save settings.
- Aesthetically designed front panel with membrane switches.

Specifications

- Display: 4 Digit 0.56” 7 Segment Red LEDs for Temperature
  2 Digit 0.56” 7 Segment Green LEDs for Channel Number
- Number of Channels: Maximum 16
- Sensor: J,K,R T/C or 3 wire PT-100 (common for all channels)
- Range:
<table>
<thead>
<tr>
<th>Sensor</th>
<th>Range</th>
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</thead>
<tbody>
<tr>
<td>J T/C</td>
<td>0°C to 750°C</td>
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<tr>
<td>K T/C</td>
<td>0°C to 1250°C</td>
</tr>
<tr>
<td>R T/C</td>
<td>0 to 1700°C</td>
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<tr>
<td>PT100</td>
<td>0 to +600.0°C</td>
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</tbody>
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- Resolution: 1°C for thermocouples and 0.1°C for PT100
- Accuracy: ±0.1% of F.S. ±1 Digit
- Control Scan Rate: Maximum 10 seconds for complete 16 Channel cycle
- Auto/Manual mode: Toggle between Auto/Manual modes with front panel indication of mode
- Display Rate: 1 to 99 seconds per channel in Auto Mode
- Memory: Non-volatile EEPROM for saving settings
- Configuration Lock: At rear terminals to lock number of channels and sensor selection
- Supply: 220V AC ± 15% at 50/60Hz
- Ambient Temp.: Maximum 55°C
- Size (Front): 96 x 192 mm
- Depth: 170 mm