### Specification

#### Features
<table>
<thead>
<tr>
<th></th>
<th>Easy Tune PID (with adjustable cycle time) or On-Off control</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control Types</td>
<td>Control Relay or SSR, plus optional Alarm Relay</td>
</tr>
<tr>
<td>Output Configuration</td>
<td>Process high, process low, setpoint deviation or band</td>
</tr>
<tr>
<td>Alarm Type</td>
<td>3 button operation, 3 digit 13mm high red LED display, plus on-control, set-up, alarm and setpoint indicators</td>
</tr>
<tr>
<td>Human Interface</td>
<td>Off below setpoint, on at setpoint, flashing above setpoint</td>
</tr>
</tbody>
</table>

#### Input
<table>
<thead>
<tr>
<th>Thermocouple Types</th>
<th>J, K, T, L, &amp; N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thermocouple Ranges</td>
<td>0 to 100, 200, 300, 400, 500, 600, 700 or 800°C (max temperature 400°C for type T)</td>
</tr>
<tr>
<td>RTD Type</td>
<td>3 Wire PT100, 50 per lead maximum (balanced)</td>
</tr>
<tr>
<td>RTD Ranges</td>
<td>-50 to 100, 200, 300, 400, 500, 600, 700, 800°C or 0.0 to 99.9°C</td>
</tr>
<tr>
<td>Impedance</td>
<td>&gt;100M</td>
</tr>
<tr>
<td>Accuracy</td>
<td>+/- 0.25% of input span +/- 1 LSD (T/C CJC better than 0.7°C)</td>
</tr>
<tr>
<td>Sampling</td>
<td>4 per second, 14 bit resolution approximately</td>
</tr>
<tr>
<td>Sensor Break Detection</td>
<td>&lt;2 secs, control output turns off, high alarm activates for T/C input, low alarm activates for RTD input</td>
</tr>
</tbody>
</table>

#### Outputs & Options
| Control & Alarm Relays | Contacts SPDT 2Amp resistive at 240V AC, >500,000 operations |
| Control SSR Outputs   | Drive capability >10V DC into 500 minimum                      |

#### Operating & Environmental
| Temperature & RH      | 0 to 55°C (-20 to 80°C storage), 20% to 95%RH non-condensing |
| Power Supply          | 100 to 240V 50/60Hz 7.5VA (optional 20 to 50V AC 7.5VA/22 to 65V DC 4W) |
| Front Panel Protection| IEC IP66 (Behind panel protection is IP20)                      |
| Approvals and Certification | CE, UL & ULc                                             |
### Dimensions

![Dimensions Diagram]

### Connection details

![Connection Diagram]

### Field Reconfiguration

**Input**
- Configurable for thermocouple or RTD, no extra parts required

**Output 1**
- Type is fixed as Relay or SSR, not field configurable

**Output 2**
- Type is fixed as None or Alarm Relay, not field configurable

Connections used will depend upon the options fitted.

### Ordering Code

![Ordering Code Diagram]

**Input Type**
- 3 Wire RTD
- Thermocouple

**Output 1**
- Relay Control
- DC for SSR Control

**Power Supply**
- 100-240V AC line supply
- 24-48V AC or DC line supply

**Output 2**
- Not Fitted
- Relay Alarm Output
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