**T-DE Series**

**Single Set-Point, Precise Control**

- Large (.56” high), easy to read LED display
- NEMA 1, IP21, flame retardant and gasketed plastic enclosure
- ±.25% full span, single digit accuracy
- Single phase only.

Adjustable temperature range from -40°F (-40°C) to 999°F (538°C) (high temp sensor required)

cULus and CE compliant

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### T-DE SERIES, 1/8 DIN DIGITAL THERMOSTATS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>VOLTS</th>
<th>MAX. AMPS</th>
<th>TEMP. RANGE</th>
<th>SENSOR LENGTH</th>
<th>REPL. SENSOR P/N</th>
<th>SHIP WGT.</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-DE20</td>
<td>100-240V</td>
<td>20</td>
<td>0-500°F</td>
<td>10'</td>
<td>RTD1000</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>+/- 10%</td>
<td></td>
<td>0-260°C</td>
<td>(3m)</td>
<td></td>
<td>(1.4)</td>
</tr>
</tbody>
</table>

*12 amp full load max if operating a heater with a built-in thermal protector*
**Features & Values**

- Provides precise control for consistent plating and etch rates in most aqueous processes.
- Fluoropolymer (FEP) covered 10-foot (3m), 1000-ohm platinum RTD sensor included standard with the control. Provides extended service in corrosive liquids and can be lengthened with ordinary copper wire.
- NEMA 1, IP21, flame retardant and gasketed plastic enclosure with stainless steel hardware.
- Single pole, double throw switch rated at 20* amps for either 120 or 240 volts. *12 amp full load max if operating a heater with a thermal protector.
- ± .25% full span, single digit accuracy.
- 20°F (-7°C) to 140°F (60°C) ambient temperature range.

**Specifications**

**Temperature Range:** Adjustable temperature range from -40°F (-40°C) to 999°F (538°C) (high temp sensor required).

**Options:**
- Three wire 100-ohm RTD sensors
- 25-foot (7.6m) and 50-foot (15.2m) sensors
- Scalable voltage and current inputs
- Convertible to direct acting output for cooling applications.

**Safety Features:**
- Non-volatile memory
- Programmable high alarm shutdown
- Sensor short and break protection
- Programmable high set point limit
- Security code restricted menu

**Certifications:**
cULus and CE compliant.

**Dimensions**

![Diagram of DE Thermostat]

**Model Number Breakdown**

<table>
<thead>
<tr>
<th>T-</th>
<th>DE</th>
<th>20</th>
<th>-L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control Type</td>
<td>Series</td>
<td>Amperes</td>
<td>Control Options</td>
</tr>
<tr>
<td>T-</td>
<td>DE</td>
<td>20</td>
<td>-VC = 1-10VDC output</td>
</tr>
</tbody>
</table>

- L = No sensor
- H = high temperature sensor
- 25 = 25 foot RTD sensor
- 50 = 50 foot RTD sensor
- F = FEP sleeved sensor