T-DSL Series

**PRODUCT DATA SHEET**

Temperature Controls

**Up to 15 amps, Dual Set-Point, Precise Control**

- Easy to read .3”(7.6mm) dual setpoint LED display
- Auto tune PID, PID or On/Off control with Auto/Manual operation
- ±.25% full span, single digit accuracy
- Provides precise control for consistent plating and etch rates in most aqueous processes

Adjustable temperature range from -328°F(-200°C) to 4208°F(2320°C)
cULus and CE compliant

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**DSL SERIES, 1/16 DIN DIGITAL THERMOSTATS**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>MAX VOLTS</th>
<th>AMPS</th>
<th>TEMP RANGE</th>
<th>SENSOR LENGTH</th>
<th>REPL SENSOR P/N</th>
<th>SHIP WT</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-DSL3</td>
<td>85-265</td>
<td>3</td>
<td>-100-500°F</td>
<td>RTD1000</td>
<td>2</td>
<td>(1)</td>
</tr>
<tr>
<td></td>
<td>(-73-260°C)</td>
<td></td>
<td>(3 m)</td>
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**Features & Values**

- Easy to read .3” (7.6mm) dual LED displays. Two set points (heating and cooling). 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 3-amps for up to 240 volts. Three switches: Set Point 1 (SP1), Set Point 2 (SP2), and alarm output (AL).
- 20°F(-7°C) to 140°F(60°C) ambient temperature range.
- ±.25% full span, single digit accuracy.
- Auto tune PID, PIC or On/Off control with Auto/Manual operation.

**Specifications**

- **Temperature Range**: Adjustable temperature range from -328°F(-200°C) to 420°F(2320°C) (high temperature sensor required).
- **Options**
  - Scalable voltage and current inputs
  - 4-20 mA or 0-10VDC outputs for process recording
  - 4-20 mA or 15VDC control outputs
  - RS485 communication protocol.
  - Three wire 100-ohm RTD sensors
  - Type J, K, T, and R thermocouples
  - Special sensors required for temperatures above 500°F(260°C)
  - 25-foot (7.6m) and 50-foot (15.2m) sensors
- **Safety Features**
  - Non-volatile memory
  - Programmable high or low temperature alarm output
  - Sensor short and break protection
  - Security code restricted menu
  - Programmable high set point limit
  - Security code restricted menu
- **Certifications**: cULus and CE compliant

**Dimensions**

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**Model Number Breakdown**

<table>
<thead>
<tr>
<th>Control Type</th>
<th>Series</th>
<th>Amperes</th>
<th>Voltage</th>
<th>Control Options</th>
<th>Standard Options</th>
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</thead>
<tbody>
<tr>
<td>T- DSL 3 2</td>
<td>VC</td>
<td>-L</td>
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<tr>
<td></td>
<td>E Easyplug</td>
<td>R RTD100</td>
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<tr>
<td></td>
<td>MAR Milliamp output recording</td>
<td>-J J Type TC</td>
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<tr>
<td></td>
<td>RS RS485 output</td>
<td>-K K Type TC</td>
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<tr>
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<td>VC-15VDC control NC</td>
<td>-L Less sensor</td>
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<td></td>
<td>VC-RS 15VDC output/ RS485 output</td>
<td>-H High temp sensor</td>
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<tr>
<td></td>
<td>VR Voltage output recording</td>
<td>-25 25 foot sensor</td>
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<td>-50 50 foot sensor</td>
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<td>F FEP sleeved sensor</td>
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