# T-DQ Series

**Temperature Controls**

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

**Large (.56" high), easy to read LED display**

**Vapor tight, IP21, front panel protection**

**±.25% full span, single digit accuracy**

**Single phase only.**

Adjustable temperature range from -40°F(-40°C) to 999°F(538°C)

CULus and CE compliant

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### T-DQ Series, 1/4 DIN Digital Thermostats

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<thead>
<tr>
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<tbody>
<tr>
<td>T-DQ15D</td>
<td>100-240</td>
<td>15</td>
<td>-40-999°F</td>
<td>10'</td>
<td>RTD1000</td>
<td>3</td>
</tr>
</tbody>
</table>

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

- Large (.56” high), easy to read LED display. 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 15-amps for either 120 or 240 volts. *12 amp full load max if operating a heater with a thermal protector.
- 20°F(-7°C) to 140°F(60°C) ambient temperature range.
- ±.25% full span, single digit accuracy.
- Single phase only.

**Specifications**

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

- **Options**
  - Scalable voltage and current inputs.
  - 4-20 mA outputs for process recording.
  - Special sensors required for temperatures above 500°F(260°C).
  - Three wire 100-ohm RTD sensors.
  - 25-foot (7.6m) and 50-foot (15.2m) sensors.
  - Adapter panels for control retrofits.
  - V option - 6 inch (152.4mm) x 6 inch (152.4mm) enclosure.

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

- **Certifications**: cULus and CE compliant.

**Dimensions**

![Diagram of control device with dimensions labeled.][1]

**Model Number Breakdown**

<table>
<thead>
<tr>
<th>Control Type</th>
<th>Series</th>
<th>Amperes</th>
<th>Volts</th>
<th>Control Options</th>
<th>Standard Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-</td>
<td>DQ</td>
<td>15</td>
<td>1</td>
<td>-MA = milliamp output</td>
<td>-H = high temperature sensor</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>-L = No sensor</td>
<td>-R = 100 ohm RTD</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>-F = FEP sensor sleeve</td>
<td>-R = Rigif 1000 ohm RTD</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>-25 = 25 foot RTD sensor</td>
<td>-50 = 50 foot RTD sensor</td>
</tr>
</tbody>
</table>

[1]: image of diagram showing control device with dimensions labeled. Optional: Include image link if available.