# B-DLC Series

**Temperature Controls**

## Single Set-Point, Precise Control

- Large (.50" high), easy to read LED display
- Vapor tight, IP21, front panel protection
- ±1% full span, single digit accuracy
- Single phase only.

Adjustable temperature range from -58°F (-50°C) to 302°F (150°C)

- 120 to 240 volts
- cULus

### B-DLC Series, Digital Controls

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>VOLTS</th>
<th>MAX. AMPS</th>
<th>REPL. RELAY P/N</th>
<th>REPL. SENSOR P/N</th>
<th>SHIP WGT. Lbs. (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>B-DLC301</td>
<td>120</td>
<td>30</td>
<td>PRD-30-1</td>
<td>DLC-10L</td>
<td>16</td>
</tr>
<tr>
<td>B-DLC302</td>
<td>240</td>
<td>30</td>
<td>PRD-30-2</td>
<td>DLC-10L</td>
<td>(7.3)</td>
</tr>
</tbody>
</table>

Control consists of gasketed plastic enclosure, thermostat, and 30 amp power relay

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**ISO 9001:2015 with Design certified**

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**Features & Values**

- Large (.50” high), easy to read LED display. Provides precise control for consistent plating and etch rates in most aqueous processes.
- Fluoropolymer (FEP) covered 10-foot (3m), thermistor 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 16-amps for either 120 or 240 volts. *12 amp full load max if operating a heater with a thermal protector.
- 14°F(-10°C) to 158°F(70°C) ambient temperature range.
- ±1% full span, single digit accuracy.
- Single phase only.

**Specifications**

**Temperature Range**
Adjustable temperature range from -58°F(-50°C) to 302°F(150°C).

**Voltage**
120 to 240 volts.

**Options**
- Celsius readout (must specify)
- P2, P3 or P8 thermal protection systems
- Integrated liquid level control components
- Front panel mounted digital timers
- Pre-wired outlets for plug-in heaters (16 amp max load)
- Ground fault protection of equipment (GFPE) circuitry
- Combination controls available for three phase service and larger heater loads
- NEMA 4/4X enclosure (with internal heater for outdoor use)

**Safety Features**
- Pre-wired P1 terminal blocks
- Non-volatile memory
- Sensor short and break protection
- Programmable high set point limit
- Security code restricted menu

**Certifications**
cULus

**Dimensions**

**Model Number Breakdown**

<table>
<thead>
<tr>
<th>Control Type</th>
<th>Series</th>
<th>Amperes</th>
<th>Voltage</th>
<th>Control Option</th>
<th>Standard Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>B - DLC 30</td>
<td>8 - P8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>30 Amps</th>
</tr>
</thead>
<tbody>
<tr>
<td>A - Overall height w/mounting</td>
<td>14.375&quot; (365mm)</td>
</tr>
<tr>
<td>B - Overall width</td>
<td>9.63&quot; (245mm)</td>
</tr>
<tr>
<td>C - Enclosure Depth</td>
<td>6.25&quot; (159mm)</td>
</tr>
<tr>
<td>D - Enclosure Height</td>
<td>13.625&quot; (346mm)</td>
</tr>
<tr>
<td>E - Mounting hole centers</td>
<td>6&quot; (152mm)</td>
</tr>
<tr>
<td>F - Overall Depth</td>
<td>7.25&quot; (184mm)</td>
</tr>
</tbody>
</table>

*Box dimensions may vary with options.*