

# B-DLC Series

## PRODUCT DATA SHEET

### Temperature Controls

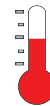
#### Single Set-Point, Precise Control

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

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

**PROCESS TECHNOLOGY**

ISO 9001:2015  
WITH DESIGN CERTIFIED

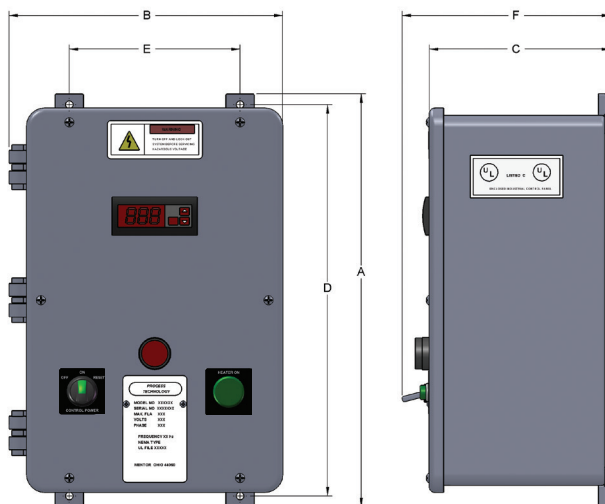
## Features & Values

- 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-amperes 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

<b>Temperature Range</b>	Adjustable temperature range from -58°F(-50°C) to 302°F(150°C).
<b>Voltage</b>	120 to 240 volts
<b>Options</b>	<ul style="list-style-type: none"> <li>□ Celsius readout (must specify)</li> <li>□ P2, P3 or P8 thermal protection systems</li> <li>□ Integrated liquid level control components</li> <li>□ Front panel mounted digital timers</li> <li>□ Pre-wired outlets for plug-in heaters (16 amp max load)</li> <li>□ Ground fault protection of equipment (GFPE) circuitry</li> <li>□ Combination controls available for three phase service and larger heater loads</li> <li>□ NEMA 4/4X enclosure (with internal heater for outdoor use)</li> </ul>
<b>Safety Features</b>	<ul style="list-style-type: none"> <li>□ Pre-wired P1 terminal blocks</li> <li>□ Non-volatile memory</li> <li>□ Sensor short and break protection</li> <li>□ Programmable high set point limit</li> <li>□ Security code restricted menu</li> </ul>
<b>Certifications</b>	cULus

## Dimensions



Dimensions	30 Amps
A - Overall height w/mounting	14.375" (365mm)
B - Overall width	9.63" (245mm)
C - Enclosure Depth	6.25" (159mm)
D - Enclosure Height	13.625" (346mm)
E - Mounting hole centers	6" (152mm)
F - Overall Depth	7.25" (184mm)

\*Box dimensions may vary with options

## Model Number Breakdown

B-		DLC	30	8	E	-P8
Control Type	Series	Amperes	Voltage	Control Option		Standard Options
B -	DLC	30	1 - 120	E = Easyplug	-L = No sensor	
			2 - 240	-C = Celsius display	-25 = 25 foot thermistor	
			8 - 208		-50 = 50 foot thermistor	
			9 - 220		-F = FEP sensor sleeve	
			0 - 200		-P2 = thermal protector 2 circuitry	
					-P3 = thermal protector 3 circuitry	
					-P8 = thermal protector 8 circuitry	
					-*LC** = conductive liquid level	
					-*ESP** = capacitive liquid level	
					-G = ground fault protection	
					-D = digital timer	
					-N = NEMA 4X	
					-NH = NEMA 4X with heater	

**PROCESS TECHNOLOGY**