

C-DLC Series

PRODUCT DATA SHEET

Temperature Controls

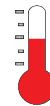
Single Set-Point, Precise Control

Large (.50" high), easy to read LED display

Vapor tight , IP21, front panel protection

±1% full span, single digit accuracy

Large switching capacities from 20 to 125amps for up to 600 volts.



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



up to 600 volts



cULus

C-DLC SERIES, DIGITAL COMBINATION CONTROLS						
MODEL NUMBER	VOLTS	MAX. AMPS	REPL. RELAY P/N	REPL. TRANS.	REPL. SENSOR P/N	SHIP WGT. Lbs./ (kg)
C-DLC202	240	20	AHD-20-1	HDD50 2-4/1	DLC-10L	16
C-DLC204	480	20	AHD-20-1	HDD50 2-4/1	DLC-10L	(7.3)
C-DLC402	240	40	AHD-50-1	HDD50 2-4/1	DLC-10L	17
C-DLC404	480	40	AHD-50-1	HDD50 2-4/1	DLC-10L	(7.7)
C-DLC802	240	80	AHD-80-1	HDD100 2-4/1	DLC-10L	25
C-DLC804	480	80	AHD-80-1	HDD100 2-4/1	DLC-10L	(11.3)
C-DLC1252	240	125	AHD-125-1	HDD300 2-4/1	DLC-10L	33
C-DLC1254	480	125	AHD-125-1	HDD300 2-4/1	DLC-10L	(15)

Combination control consists of gasketed plastic enclosure, thermostat, 3 pole contractor and transformer

PROCESS TECHNOLOGY

ISO 9001:2015
WITH DESIGN CERTIFIED

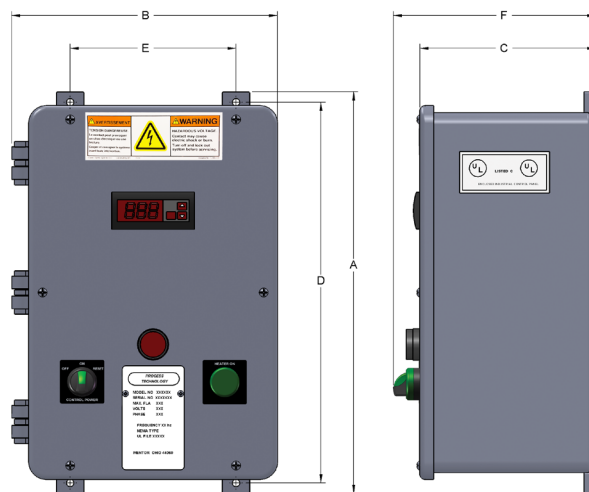
Features & Values

- 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
- Large switching capacities from 20 to 125 amps for up to 600 volts.
- 14°F(-10°C) to 158°F(70°C) ambient temperature range
- ± 1% full span, single digit accuracy
- Single or three phase

Specifications

Temperature Range	Adjustable temperature range from -58°F(-50°C) to 302°F(150°C).
Voltage	up to 600 volts
Options	<ul style="list-style-type: none"> ▫ Celsius readout (must specify) ▫ P2, P3 or P8 thermal protection systems ▫ Integrated liquid level control components ▫ Front panel mounted digital timers ▫ Ground fault protection of equipment (GFPE) circuitry ▫ NEMA 4/4X enclosure (with internal heater for outdoor use)
Safety Features	<ul style="list-style-type: none"> ▫ 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



Dimensions	20-40 Amps	80 Amps	125 Amps
A	14.375" (365mm)	18" (457mm)	20.25" (514mm)
B	6" (152mm)	10" (254mm)	12" (305mm)
C	6.25" (159mm)	7.625" (194mm)	8.375" (213mm)
D	13.625" (346mm)	17" (432mm)	19.25" (489mm)
E	9.63" (245mm)	13.75" (349mm)	15.75" (400mm)
F	7.03" (175mm)	8.4" (213mm)	9.15" (232mm)

*Box dimensions may vary with options

Model Number Breakdown

C	DLC	20	2	E	-P2
Control Type	Series	Amperes	Voltage	Control Option	Standard Options
C - Combo	DLC	20	2 - 240	E = Easyplug	-L = No sensor
		40	3 - 380	-C = Celcius display	-25 = 25 foot thermistor
		80	4 - 480		-50 = 50 foot thermistor
		125	5 - 415		-F = FEP sensor sleeve
			6 - 600		-P2 = thermal protector 2 circuitry
			7 - 400		-P3 = thermal protector 3 circuitry
			8 - 208		-P8 = thermal protector 8 circuitry
			9 - 220		-*LC** = conductive liquid level
			0 - 200		-*ESP** = capacitive liquid level
					-D = digital timer
					-G = ground fault protection
					-N = NEMA 4X
					-NH = NEMA 4X with heater

PROCESS TECHNOLOGY