



TEMPERATURE CONTROLS



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	HD100 2-4/1	DLC-10L	25
C-DLC804	480	80	AHD-80-1	HD100 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 contactor and transformer.



DLC Series, Combination Control Features and Benefits

IMPROVES PROCESS CONTROL:

- ◆ Large (.50" high), easy to read LED display. Provides precise control for consistent plating and etch rates in most aqueous processes.

TEMPERATURE SENSOR:

- ◆ 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.

CORROSION RESISTANT ENCLOSURE:

- ◆ NEMA 1, IP21, flame retardant and gasketed plastic enclosure with stainless steel hardware.

CAPACITIES:

- ◆ Large switching capacities from 20 to 125 amps for up to 600 volts.
- ◆ Adjustable temperature range from -58°F(-50°C) to 302°F(150°C).
- ◆ ± 1% full span, single digit accuracy.
- ◆ 14°F(-10°C) to 158°F(70°C) ambient temperature range.
- ◆ Single or three phase.
- ◆ Control transformer included.

CERTIFICATIONS: cULus

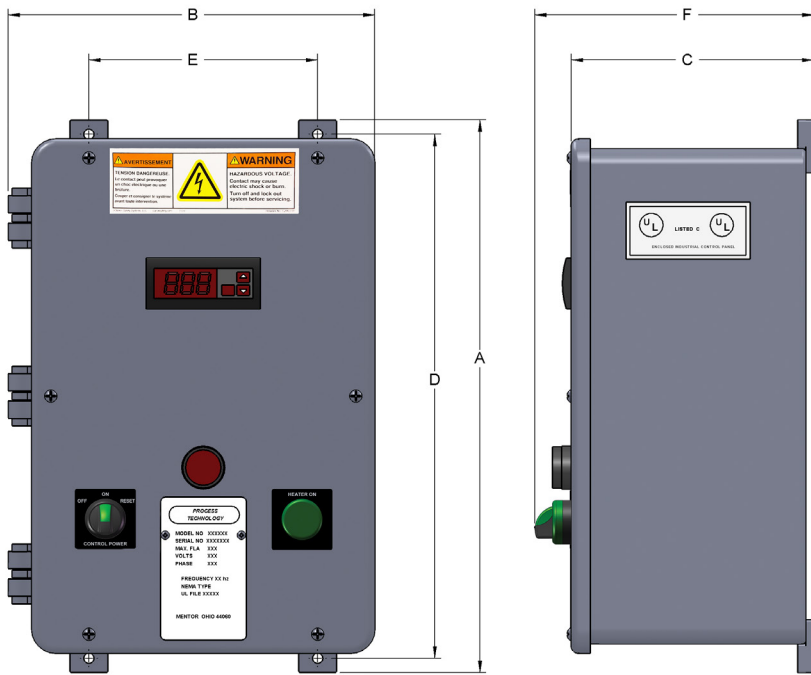
SAFETY FEATURES:

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

OPTIONS AVAILABLE (consult factory):

- ◆ 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).

DIMENSIONS



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

*Box dimensions may vary with options.

DLC COMBINATION CONTROL ORDERING INFORMATION

Series	Amperes	Voltage	Units	Stepdown Transformer	Standard Options
DLC	20 40 80 125	1 = 120 2 = 240 3 = 380 4 = 480 5 = 415 6 = 600 7 = 400 8 = 208 9 = 220 0 = 200	No designator=Fahrenheit C = Celcius	-LT = no transformer (not for voltages higher than 240V)	-P2 = thermal protector 2 -P3 = thermal protector 3 -P8 = thermal protector 8 -LC = conductive liquid level -ESP = for capacitive liquid level terminals -DTS = digital timer -GFP = ground fault protection -5 = 5 foot (1.5m) thermistor sensor -E = outlet for plug-in heater

ORDERING EXAMPLE:

C-DLC202-P2

DLC combination control, 20 amps, 240 volt, P2 thermal protection.

