



## DLC SERIES, DIGITAL COMBINATION CONTROLS

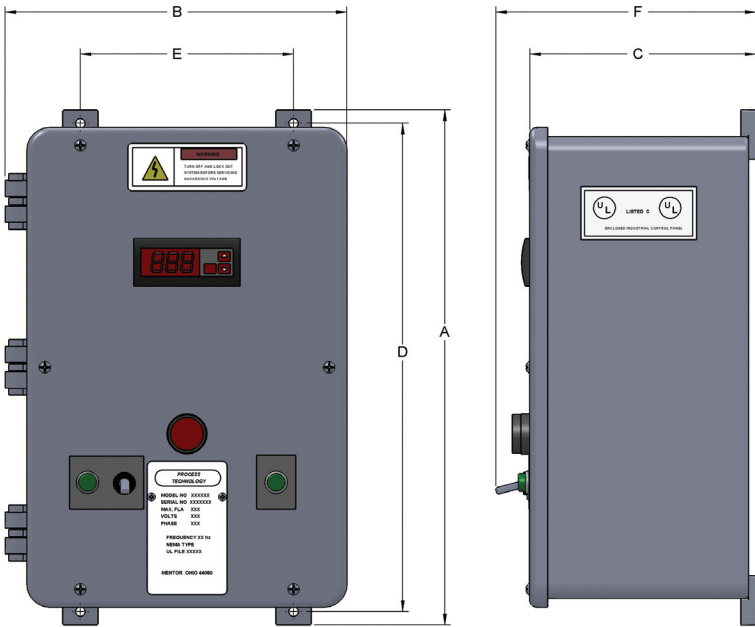
MODEL NUMBER	VOLTS	MAX. AMPS	REPL. RELAY P/N	REPL. RELAY P/N LESS TRANS.	REPL. TRANS.	REPL. SENSOR P/N	SHIP WGT. Lbs./kg)
DLC302	240	30	AH30-1	AH30-2	HD50 2/1	DLC-10L	16
DLC304	480	30	AH30-1	---	HD50 4/1	DLC-10L	(7.5)
DLC502	240	50	AH50-1	AH50-2	HD50 2/1	DLC-10L	17
DLC504	480	50	AH50-1	---	HD50 4/1	DLC-10L	(8)
DLC752	240	75	AH75-1	AH75-2	HD100 2/1	DLC-10L	23
DLC754	480	75	AH75-1	---	HD100 4/1	DLC-10L	(10.5)
DLC902	240	90	AH90-1	AH90-2	HD100 2/1	DLC-10L	25
DLC904	480	90	AH90-1	---	HD100 4/1	DLC-10L	(11.5)
DLC1202	240	120	AH120-1	AH120-2	HD100 2/1	DLC-10L	27
DLC1204	480	120	AH120-1	---	HD100 4/1	DLC-10L	(12.5)
DLC1502	240	150	AH150-1	AH150-2	HD150 2/1	DLC-10L	33
DLC1504	480	150	AH150-1	---	HD150 4/1	DLC-10L	(15)

Combination control consists of gasketed plastic enclosure, thermostat, contactor and optional control transformer. To omit step-down transformer, add "LT" to end of model number.

## Product Features and Benefits:

- ◆ **IMPROVES PROCESS CONTROL:** Large (.56" 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), 1000-ohm thermistor sensor included standard with the control. Provides extended service in corrosive liquids and can be lengthened with ordinary copper hookup wire.
- ◆ **CORROSION RESISTANT ENCLOSURE:** NEMA 1, IP23, flame retardant and gasketed plastic enclosure with sealed tactile switches and stainless steel hardware.
- ◆ **CERTIFICATIONS:** cULus.
- ◆ **CAPACITIES:**
  - Large switching capacities from 30 to 150 amps for 120 to 600 volts.
  - Adjustable temperature range from -58°F (-50°C) to 302°F (150°C).
  - +/- 1° full span, single digit accuracy.
  - 20°F (-7°C) to 130°F (54°C) ambient temperature range.
  - Single or three phase.
  - Control transformer required above 240 volts and recommended for 200 to 240 volt service.
- ◆ **SAFETY FEATURES:**
  - Pre-wired P1 terminal blocks.
  - Non-volatile memory.
  - Programmable high alarm shutdown.
  - Sensor short and break protection.
  - Security code restricted menu.
- ◆ **OPTIONS AVAILABLE (consult factory):**
  - Pre-wired outlets for plug-in heaters (some sizes).
  - Ground fault protection (GFP) circuitry.
  - P2, P3 or P8 thermal protection systems.
  - Integral liquid level control components.
  - Front panel mounted digital timers.
  - CE compliance.
  - Outdoor enclosures.
  - Celsius readout (must specify).

## DIMENSIONS



Dimensions	30-50 Amps	75-120 Amps	150 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)

## DLC COMBINATION CONTROL ORDERING INFORMATION

Series	Amperes	Voltage	Stepdown Transformer	Standard Options
DLC	<ul style="list-style-type: none"> <li>30</li> <li>50</li> <li>75</li> <li>90</li> <li>120</li> <li>150</li> </ul>		<ul style="list-style-type: none"> <li>-LT = no transformer (not for voltages higher than 240V)</li> </ul>	<ul style="list-style-type: none"> <li>-P2 = thermal protector 2</li> <li>-P3 = thermal protector 3</li> <li>-LC = conductive liquid level</li> <li>-ESP = capacitive liquid level terminals</li> <li>-DTS = digital timer</li> <li>-GFP = ground fault detection</li> <li>-5 = 5 foot (1.5m) thermistor sensor</li> <li>-E = outlet for plug-in heater</li> </ul>
	<ul style="list-style-type: none"> <li>1 = 120</li> <li>2 = 240</li> <li>3 = 380</li> <li>4 = 480</li> <li>5 = 415</li> <li>6 = 600</li> <li>7 = 400</li> <li>8 = 208</li> <li>9 = 220</li> <li>0 = 200</li> </ul>			

### ORDERING EXAMPLE:

DLC302-LT-P2

DLC series combination control, 30 amps, 240 volt, less step down transformer, P2 thermal protector option.

