



## DLC SERIES, DIGITAL COMBINATION CONTROLS

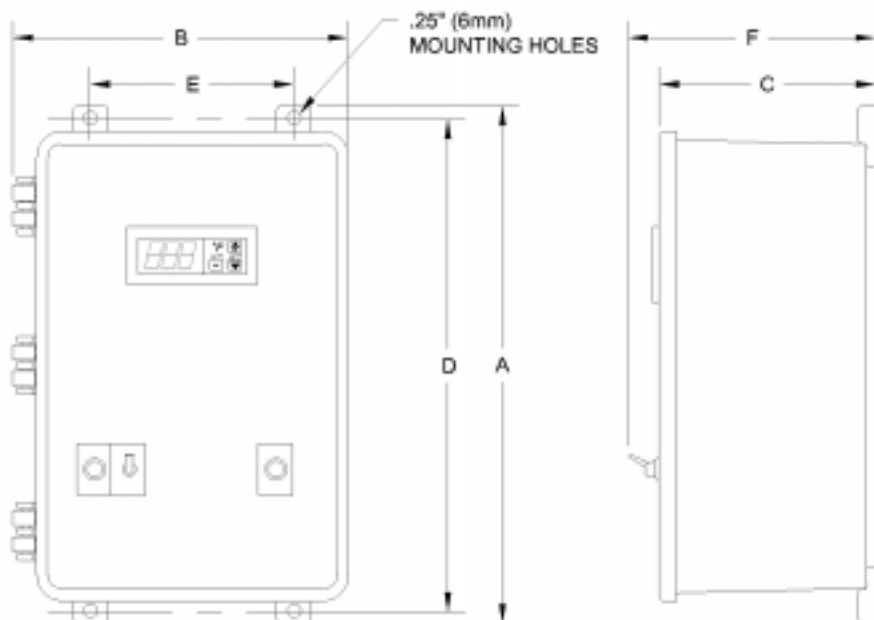
MODEL NUMBER	VOLTS	MAX. AMPS	REPL. RELAY P/N	REPL. RELAY P/N LESS TRANS.	REPL. TRANS.	REPL. SENSOR P/N	SHIP WGT. Lbs./kg)
DLC302	240	30	AH30-1	AH30-2	HD50 2/1	DLC-5L	16
DLC304	480	30	AH30-1	---	HD50 4/1	DLC-5L	(7.5)
DLC502	240	50	AH50-1	AH50-2	HD50 2/1	DLC-5L	17
DLC504	480	50	AH50-1	---	HD50 4/1	DLC-5L	(8)
DLC752	240	75	AH75-1	AH75-2	HD100 2/1	DLC-5L	23
DLC754	480	75	AH75-1	---	HD100 4/1	DLC-5L	(10.5)
DLC902	240	90	AH90-1	AH90-2	HD100 2/1	DLC-5L	25
DLC904	480	90	AH90-1	---	HD100 4/1	DLC-5L	(11.5)
DLC1202	240	120	AH120-1	AH120-2	HD150 2/1	DLC-5L	27
DLC1204	480	120	AH120-1	---	HD150 4/1	DLC-5L	(12.5)
DLC1502	240	150	AH150-1	AH150-2	HD150 2/1	DLC-5L	33
DLC1504	480	150	AH150-1	---	HD150 4/1	DLC-5L	(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 5-foot (1.5m), 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:** cUL.
- ◆ **CAPACITIES:**
  - Large switching capacities from 30 to 150 amps for either 240 or 480 volts (other voltages available).
  - 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.
- 120, 208, 380, 415, 600 and other voltages available.
- Single or three phase.
- Control transformer required above 240 volts and recommended for 208 and 240 volt service.
- ◆ **SAFETY FEATURES:**
  - Pre-wired PI terminal blocks.
  - Non-volatile memory.
  - Programmable high alarm shutdown.
  - Sensor short and break protection.
  - Programmable high setpoint limit.
  - Security code restricted menu.
- ◆ **OPTIONS AVAILABLE (consult factory):**
  - 10-foot (3m) sensors.
  - Pre-wired outlets for plug-in heaters (some sizes).
  - Ground fault protection (GFP) circuitry.
  - PII or PIII thermal protection systems.
  - Integral liquid level control components.
  - Front panel mounted digital timers.
  - CE compliance.
  - Outdoor enclosures.

## DIMENSIONS



Dimensions	30-50 Amps	75-120 Amps	150 Amps
<b>A</b>	14.375" (365 mm)	15.5" (394 mm)	17.5" (445 mm)
<b>B</b>	9.5" (241 mm)	13.75" (349 mm)	15.75" (400 mm)
<b>C</b>	6.25" (159 mm)	7.625" (194 mm)	8.375" (213 mm)
<b>D</b>	13.625" (346 mm)	14.75" (375 mm)	16.75" (425 mm)
<b>E</b>	6" (152 mm)	10" (254 mm)	12" (305 mm)
<b>F</b>	7.025" (178 mm)	8.4" (213 mm)	9.15" (232 mm)

## DLC COMBINATION CONTROL ORDERING INFORMATION

Series	Amperes	Voltage	Misc. Options	Stepdown Transformer	Standard Options
DE	30 50 75 90 120 150  1 = 120 2 = 240 4 = 480 -208- = 208 -380- = 380 -415- = 415 -600- = 600 (or specify)			-LT = no transformer (not for voltages higher than 240V)  x = misc options not listed in last column such as: -branch fusing -larger relays -multiple relays -pump controls -NEMA 4X enclosure	-PII = thermal protector II -PIII = thermal protector III -LC = conductive liquid level -ESP = capacitive liquid level terminals -DTS = digital timer -GFP = ground fault detection -10 = 10 foot thermistor sensor -E = outlet for plug-in heater

### ORDERING EXAMPLE:

DLC302-LT-PII

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

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