



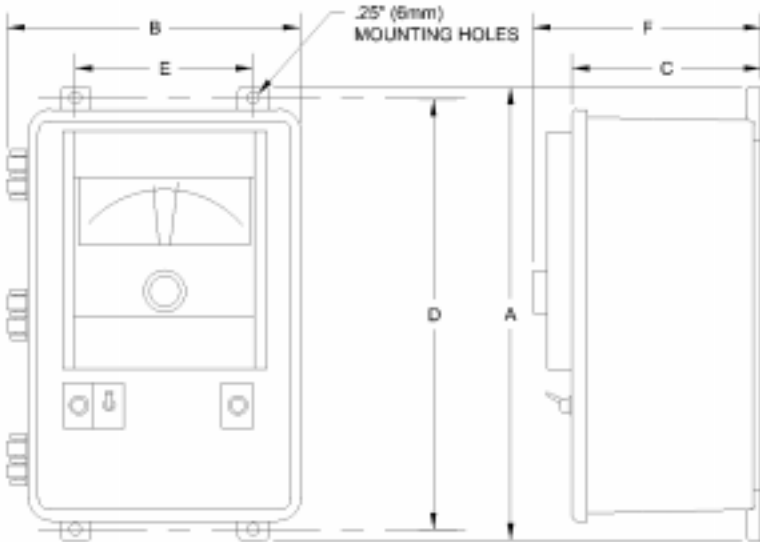
C SERIES, ANALOG COMBINATION CONTROLS							
MODEL NUMBER	VOLTS	MAX. AMPS	REPL. RELAY P/N	REPL. RELAY P/N LESS TRANS.	REPL. TRANS.	REPL. SENSOR P/N	SHIP WGT. Lbs./kg)
C302	240	30	AH30-1	AH30-2	HD50 2/1	C15-7L	19
C304	480	30	AH30-1	---	HD50 4/1	C15-7L	(8.5)
C502	240	50	AH50-1	AH50-2	HD50 2/1	C15-7L	20
C504	480	50	AH50-1	---	HD50 4/1	C15-7L	(9)
C752	240	75	AH75-1	AH75-2	HD100 2/1	C15-7L	26
C754	480	75	AH75-1	---	HD100 4/1	C15-7L	(12)
C902	240	90	AH90-1	AH90-2	HD100 2/1	C15-7L	28
C904	480	90	AH90-1	---	HD100 4/1	C15-7L	(13)
C1202	240	120	AH120-1	AH120-2	HD150 2/1	C15-7L	30
C1204	480	120	AH120-1	---	HD150 4/1	C15-7L	(13.5)
C1502	240	150	AH150-1	AH150-2	HD150 2/1	C15-7L	36
C1504	480	150	AH150-1	---	HD150 4/1	C15-7L	(16.5)

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:

- ◆ **IMPROVED PROCESS CONTROL:** Large, easy to read analog faceplate. Provides precise control for consistent plating and etch rates in most aqueous processes.
- ◆ **TEMPERATURE SENSOR:** Fluoropolymer (FEP) covered 7-foot (2.1m) copper bulb and capillary included standard with the control. Provides extended service in corrosive liquids. Ethylene glycol filled system.
- ◆ **CORROSION RESISTANT ENCLOSURE:** Epoxy coated die-cast aluminum thermostat in a vapor tight, NEMA 1, IP23, flame retardant gasketed plastic enclosure with stainless steel hardware.
- ◆ **CERTIFICATIONS:** cUL.
- ◆ **CAPACITIES:**
  - Large switching capacities from 30 to 150 amps for either 240 or 480 volts.
  - Adjustable temperature range from 50°F (10°C) to 300°F (150°C).
  - +/- 1.5% full span accuracy.
  - 0°F (-18°C) to 150°F (65°C) ambient temperature range.
- 120, 208, 380, 415, 600 and other voltages available.
- Single or three phase.
- Control transformers required above 240 volts, recommended for 208 and 240 volt service.
- ◆ **SAFETY FEATURES:**
  - Pre-wired PI terminal blocks.
  - Ground connection on wiring panel.
- ◆ **OPTIONS AVAILABLE** (consult factory):
  - 11-foot (3.3m) and 21-foot (6.4m) sensors in copper or stainless steel.
  - Pre-wired outlets for plug-in heaters (some sizes).
  - GFP circuitry.
  - PII or PIII thermal protection systems.
  - Integral liquid level components.
  - Front panel mounted digital timers.
  - Fluoropolymer sleeves for stainless steel sensors.
  - 50°F (10°C) to 500°F (260°C) temperature range.
  - Dual switches for heating and cooling loads.
  - Outdoor enclosures.

## DIMENSIONS



Dimensions	30-50 Amps	75-120 Amps	150 Amps
<b>A</b>	14.375" (365 mm)	15.75" (400 mm)	17.5" (445 mm)
<b>B</b>	9.5" (241 mm)	13.5" (343 mm)	15.75" (400 mm)
<b>C</b>	6.25" (159 mm)	7.3" (185 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>	7.09" (180 mm)	8.2" (208 mm)	9.215" (234 mm)

## C COMBO ORDERING INFORMATION

SERIES	AMPERES	VOLTAGE	MISC OPTIONS	STEPDOWN TRANSFORMER	STANDARD OPTIONS
C	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 -11 = 11 foot sensor -21 = 21 foot sensor -H = high temperature range -D = dual switch -SS = stainless steel capillary -TEF = PTFE sleeve over stainless steel sensor -E = outlet for plug-in heater

### ORDERING EXAMPLE:

C75-208-PII

Analog control, 75 amp, 208 volts, with transformer, PII thermal protector option.

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