



B-DE SERIES, DIGITAL CONTROLS					
MODEL NUMBER	VOLTS	MAX. AMPS	REPL. RELAY P/N	REPL. SENSOR P/N	SHIP WGT. Lbs./(kg)
B-DE301	120	30	PRD-30-1	RTD1000	16
B-DE302	240	30	PRD-30-2	RTD1000	(7.3)

Control consists of gasketed plastic enclosure, thermostat, and 30 amp power relay.

B-DE Series, Control 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 platinum RTD sensor 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:

- ◆ 30 amp switching capacities for 120 - 240 volts.
- ◆ Adjustable temperature range from -40°F(-40°C) to 999°F(538°C).
- ◆ ±.25% full span, single digit accuracy.
- ◆ 20°F(-7°C) to 140°F(60°C) ambient temperature range.
- ◆ Single phase only.

CERTIFICATIONS: cULus

SAFETY FEATURES:

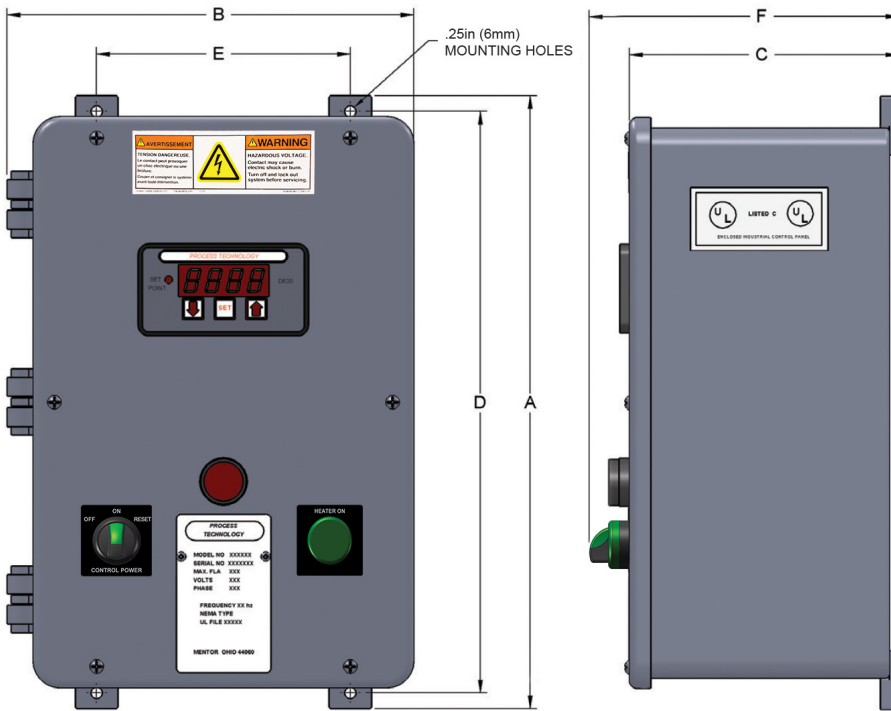
- ◆ Pre-wired P1 terminal blocks.

- ◆ Non-volatile memory.
- ◆ Programmable high alarm shutdown.
- ◆ Sensor short and break protection.
- ◆ Programmable high set point limit.
- ◆ Security code restricted menu.

OPTIONS AVAILABLE (consult factory):

- ◆ Scalable voltage and current inputs.
- ◆ Three wire 100-ohm RTD sensors.
- ◆ Special sensors required for temperatures above 500°F(260°C).
- ◆ 25-foot (7.6m) and 50-foot (15.2m) sensors.
- ◆ P2, P3 or P8 thermal protection systems.
- ◆ Integrated liquid level control components.
- ◆ Front panel mounted digital timers.
- ◆ Pre-wired outlets for plug-in heaters (16 amp max load).
- ◆ Ground fault protection of equipment (GFPE) circuitry.
- ◆ Combination controls available for three phase service and larger heater loads.
- ◆ NEMA 4/4X enclosure (with internal heater for outdoor use).

DIMENSIONS



Dimensions	30 Amps
A - Overall height w/mounting	14.375" (365mm)
B - Overall width	9.63" (245mm)
C - Enclosure Depth	6.25" (159mm)
D - Enclosure Height	13.625" (346mm)
E - Mounting hole centers	6" (152mm)
F - Overall Depth	7.25" (184mm)

*Box dimensions may vary with options.

B-DE CONTROL ORDERING INFORMATION

Control Type	Series	Ampers	Voltage	Control Option	Standard Options
B -	DE	30	1 - 120 2 - 240 8 - 208 9 - 220 0 - 200	E = Easyplug -VC = 100 ohm, volt, current board	-R = RTD 100 -L = No sensor -H = High temp sensor -25 = 25 foot RTD sensor -50 = 50 foot RTD sensor -F = FEP sleeved sensor -P2 = thermal protector 2 circuitry -P3 = thermal protector 3 circuitry -P8 = thermal protector 8 circuitry -LC** = conductive liquid level -ESP** = capacitive liquid level -D = digital timer -G = ground fault protection -N = NEMA 4X -NH = NEMA 4X with heater

ORDERING EXAMPLE:

B-DE301

B-DEcontrol in enclosure, 30 amps, 120 volt.

