



TEMPERATURE CONTROLS



DE SERIES, 1/8 DIN DIGITAL THERMOSTATS						
MODEL NUMBER	VOLTS	MAX. AMPS	TEMP. RANGE	SENSOR LENGTH Ft./ (m)	REPL. SENSOR P/N	SHIP WGT. Lbs./ (kg)
T-DE20	85-265	20*	0-500°F (0-260°C)	10' (3m)	RTD1000	3 (1.4)

*12 amp full load max if operating a heater with a built-in thermal protector.



DE Thermostat 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:

- ◆ Single pole, double throw switch rated at 20* amps for either 120 or 240 volts. *12 amp full load max if operating a heater with a thermal protector.
- ◆ Adjustable temperature range from -40°F(-40°C) to 999°F(538°C) (high temp sensor required).
- ◆ \pm .25% full span, single digit accuracy.
- ◆ 20°F(-7°C) to 140°F(60°C) ambient temperature range.

- ◆ Single phase only.

CERTIFICATIONS: cULus and CE compliant.

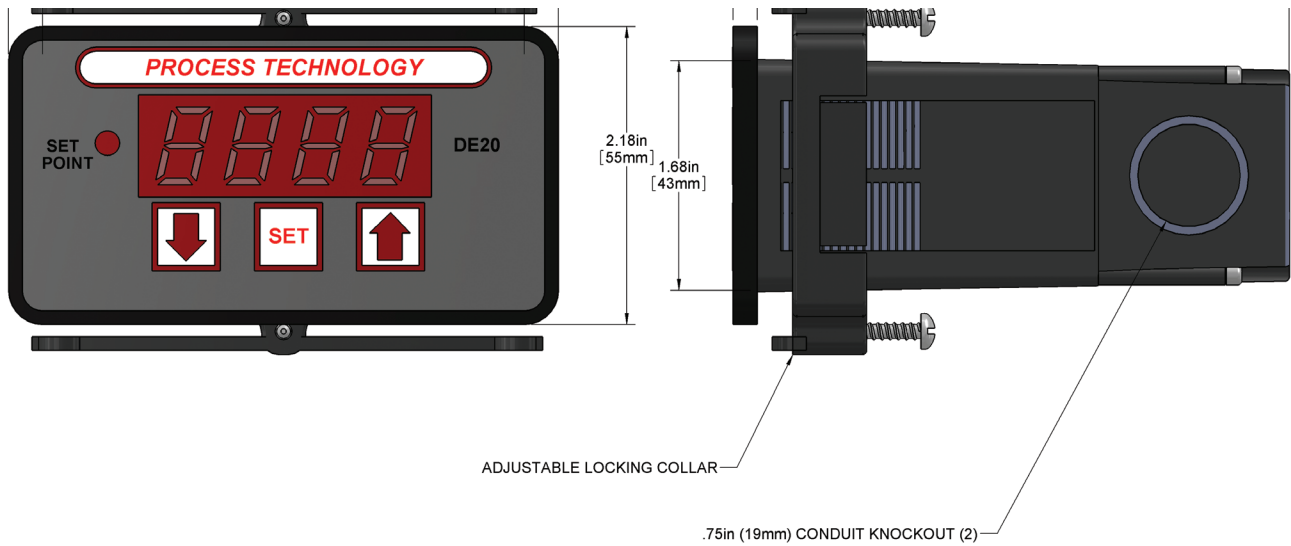
SAFETY FEATURES:

- ◆ 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):

- ◆ 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.
- ◆ Combination controls available for three phase service and larger heater loads.
- ◆ Scalable voltage and current inputs.
- ◆ Convertible to direct acting output for cooling applications.
- ◆ Adaptor panels for control retrofits.

DIMENSIONS



DE CONTROL ORDERING INFORMATION

Control Type	Series	Amperes	Control Options	Standard Options
T-	DE	20	-VC = 1-10VDC output	-R = 100 ohm RTD sensor -L = No sensor -H = high temperature sensor -25 = 25 foot RTD sensor -50 = 50 foot RTD sensor -F = FEP sleeved sensor

ORDERING EXAMPLE:

T-DE20-25

DE series control, 20 amps, with 25 foot RTD 1000 ohm sensor.

