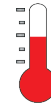# T-DSL Series

Temperature Controls

Up to 15 amps, Dual Set-Point, Precise Control

Easy to read .3"(7.6mm) dual setpoint LED display

Auto tune PID, PID or On/Off control with Auto/Manual operation

±.25% full span, single digit accuracy

Provides precise control for consistent plating and etch rates in most aqueous processes

Adjustable temperature range from -328°F(-200°C) to 4208°F(2320°C)

cULus and CE compliant

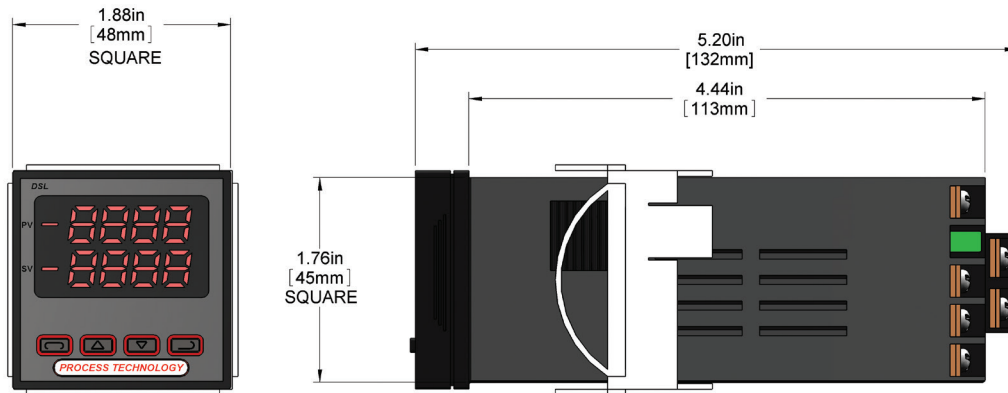| DSL SERIES, 1/16 DIN DIGITAL THERMOSTATS						
MODEL NUMBER	VOLTS	MAX. AMPS	TEMP. RANGE	SENSOR LENGTH Ft./(m)	REPL. SENSOR P/N	SHIP WGT. Lbs./(kg)
T-DSL3	85-265	3	-100-500°F (-73-260°C)	10' (3 m)	RTD1000	2 (1)

Features & Values

➢ Easy to read .3" (7.6mm) dual LED displays. Two set points (heating and cooling). Provides precise control for consistent plating and etch rates in most aqueous processes.

➢ 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

➢ NEMA 1, IP21, flame retardant and gasketed plastic enclosure with stainless steel hardware

➢ Single pole, double throw switch rated at 3-amps for up to 240 volts. Three switches: Set Point 1 (SP1), Set Point 2 (SP2), and alarm output (AL).

➢ 20°F(-7°C) to 140°F(60°C) ambient temperature range

➢ ±.25% full span, single digit accuracy

➢ Auto tune PID, PID or On/Off control with Auto/Manual operation

Specifications

Temperature Range	Adjustable temperature range from -328°F(-200°C) to 4208°F(2320°C) (high temperature sensor required).
Options	▫ Scalable voltage and current inputs ▫ 4-20 mA or 0-10VDC outputs for process recording ▫ 4-20 mA or 15VDC control outputs ▫ RS485 communication protocol. ▫ Three wire 100-ohm RTD sensors ▫ Type J, K, T, and R thermocouples ▫ Special sensors required for temperatures above 500°F(260°C) ▫ 25-foot (7.6m) and 50-foot (15.2m) sensors
Safety Features	▫ Non-volatile memory ▫ Programmable highor low temperature alarm output ▫ Sensor short and break protection ▫ Security code restricted menu ▫ Programmable high set point limit ▫ Security code restricted menu
Certifications	cULus and CE compliant

Dimensions

1.88in [48mm] SQUARE

5.20in [132mm]

4.44in [113mm]

1.76in [45mm] SQUARE

Model Number Breakdown

T-	DSL	3	2	VC	-L

Control Type	Series	Amperes	Voltage	Control Options	Standard Options
T-	DSL	3	1 = 120	E = Easyplug	R = RTD100
			2 = 240	MAR = Milliamp output recording	-J = J Type TC
				RS = RS485 output	-K = K Type TC
				VC = 15VDC control output NC	-L = Less sensor
				VC-RS = 15VDC output/ RS485 output	-H = High temp sensor
				VR = Voltage output recording	-25 = 25 foot sensor
					-50 = 50 foot sensor
					-F = FEP sleeved sensor

PROCESS TECHNOLOGY

DS10232018