



Model 951 Bath Controller Physical Specifications Chart

Function	General process control achieved through PID power control and (optional) bang-bang switching from a second setpoint
Temperature Control Range	0.0 to 249.9°C
Resolution Temp.	0.1°C
Time Range	0. To 99:59 Min:Sec
Time Resolution	1 Sec.
Memory Control Parameter	EPROM, 10 year minimum without power
Sensor Input:Process Temp.	100-Ohm, Platinum-wire RTD, JISC standard (.00392 ohms/ohm°C), stainless steel, encased, Teflon™ encapsulated (J-type thermocouple option similarly constructed)
Sensor Input:Over-Temp #1	Thermocouple, J-type settable, 20-220°C
Sensor Input:Over-Temp #2	Thermostat, normal closed, opens at 210°C; resets at 193°C
Sensor Input: Liquid Level	Open collector (NPN) output simulating switch closure
Ambient Operating Range	0-50°C local controller environment
Construction Case	Kydex enclosure with polycarbonate laminated face, back-printed
Size: Box	7.0"H x 5.5"W x 6.5"D with standoff (approx); 5.87"D without standoff
Weight	4 lbs (approx)
Output	SSR opto isolated, zero cross 20 Amp
Power:	20 VA, 208 VAC (200-245 VAC, working), 50/60 Hz; No circuit breaker provided
Connection: Electrical to Bath	Basic Power: Terminal screw strip on 3/8" centers plus miniature T/C, J-type. Adapters on Standoff: 2, 3, & 6 port AMP-brand universal Mate-N-Lock receptacles. Level Sensors (optional): 4-port MOLEX. NOTE: standard 10 foot power cable hard-mounted on bath; other lengths available by special order
Connection: Electrical to Facility	Power cable facility termination: USA - NEMA L6-15 250V male plug; Non-USA - Plug to be supplied by user
Displays: Digital	Two (each 4 character, 0.8"H, seven red segment LEDs)
Displays: Indicator	LEDs, discrete (red, green, amber)
Annunciators	Audible, approximately 2500 Hz

Facility Requirements

Power: Heater/Controller	Dedicated circuit of 200-245 VAC; Single phase, 20 Amp; Circuit breaker-protected; Line noise filtering as required
Environment	Protected headcase or equivalent; No exposure to chemical fumes





