

BTI INTEMPO-S TEMP CONTROLLER



INVAC SYSTEMS has a large inventory of used **INTEMPOS Temperature Controllers** used on BTI Horizontal Furnaces. Each module has been thoroughly tested and certified for functionality. The controller contains a single PCB that incorporates the 12-Channel Temp Control and Six-Channel Overtemp modules. This equipment was OEM on BDF-41, BDF-200, and BDF-2000 Horizontal Furnaces.

These electronics are in great condition and would make an excellent source for spare parts or equipment upgrades. Call now for current inventory and pricing!

Reference Part Numbers:

	PN#
INTEMPOS Temperature Controller	BTI# 9025470
	Kokusai# 2173097



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MODULE FEATURES:

- Combined Temperature Controller and Overtemp
- Displayable Overtemp Setpoints and Actual Temp
- Thermocouple Failure Recovery (Systems detects open, short, reversed or misplaced Thermocouples)
- Advanced Control Algorithm
- Solid state relays (not electromechanical)
- No periodic calibration required
- ITS-90 Temperature Standard

SPECIFICATIONS:

OVERTEMP	TYPE-R/S	TYPE-B
Temp Range	0 - 1700°C	0 - 1800°C
Display Accuracy	+/- 10°C (0 to 50°C operating temperature)	
Control Accuracy	+/- 10°C (0 to 50°C operating temperature)	
Resolution	1°C	
Scan Rate	2.5 seconds (60 Hz), 2.8 seconds (50 Hz)	
Common-Mode Rejection	>110dB (50/60 Hz)	
Common Mode Voltage Range	200 VAC/VDC continous (50/60 Hz)	
Normal Mode Rejection	>110dB (50/60 Hz)	
Normal Mode Voltage Range	200 VAC/VDC continous (50/60 Hz)	
T/C Failure Response	< 30 seconds	

TEMP CONTROL	TYPE-R/S	TYPE-B
Temp Range	50 - 1500°C	50 - 1500°C
Display Accuracy	400 - 1200°C	400 - 1200°C
18 TO 28°C Oper Temp	+/- 0.30°C	+/- 0.30°C
Channel-to-Channel Accuracy	+/- 0.30°C	+/- 0.30°C
Control Capability	+/-10°C (0 to 50°C operating temperature)	
Resolution	0.04°C (0.1°C displayed)	
Scan Rate	2.5 seconds (60 Hz), 2.8 seconds (50 Hz)	
Common-Mode Rejection	>145dB (50/60 Hz)	
Common Mode Voltage Range	200 VAC/VDC continous (50/60 Hz)	
Normal Mode Rejection	>115dB (50/60 Hz)	
Normal Mode Voltage Range	200 VAC/VDC continous (50/60 Hz)	
T/C Failure Response	< 30 seconds	
Input Isolation	3750 VAC	

GENERAL	
Calibration Temperature/Humidity	20° to 26°C / 35% to 65% RH
Operation Temperature/Humidity	0° to 50°C / 30% to 70% RH
Cooling	Convection
Calibration Interval	Not Required
Power Supply Voltage Monitoring	
Spike and Profile TC Failure Recovery	
AC Line Filtering	UL, VDE, CSA, SEV approved
EMI/ESD Immunity	SEMI E33-94 ESD IEC 801-2 Level 4



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