

Performance Specifications

<u>Temperature Input</u>	
Range:	-58 deg F to +660 deg F
Accuracy:	+/- 2.5 deg F
Repeatability:	+/- 1.5 deg F
Sensor:	100 ohm Pt 3 wire RTD One per heat circuit 20 ohm max lead resistance

<u>Heating Switching</u>	
Number of Circuit:	10, 20, 30 or 40 standard system. Larger systems on request up to 100
Switch Rating:	30 A @ 280 VAC standard 100 A @ 600 VAC optional
Current Measurement:	0.1 to 30A 3%+/- 0.2A
GF Measurement:	10 to 1000mA 5%+/-2mA

<u>User Settable Option</u>	
Heater Status:	Enable or Disable
Heater Name or Tag:	16 Characters Alphanumeric
Temperature Units:	deg F or deg C
Control Strategy:	On-Off or Proportional
Deadband:	0 to 90 deg F

<u>User Interface</u>	
Display:	20 char x 2 line display
Keypad:	9 tactile keys, polyester faceplate
Contrast:	Adjustable
Panel Indicators:	Power ON Current heater display on System & process alarms
NEMA Rating:	4/4X

<u>Alarm Messages</u>	
Temperature:	High Temp Alarm Low Temp Alarm
Current:	High Current Alarm Low Current Alarm High Current Trip
Ground Fault Current:	GF Current Alarm
Hardware:	Self-Failure Switch Shorted RTD Open RTD Shorted

<u>Ground Fault</u>	
Max Trip Time:	24.5 sec

<u>Current Input</u>	
Range:	0.1A to 100A per heater circuit
Accuracy:	3% +/- 0.2 A

<u>Optional Communication</u>	
Protocol:	Modbus RTU Allen Bradley Ethernet I/O Allen Bradley DH+

<u>Alarms</u>	
Alarm Output:	Programmable NO or NC One DC opto-isolated One dry mech contract
Alarm Output:	DC - 30Vdc/0.1A Mech - 120Vac @ 1A

<u>Additional Options</u>	
Purge Kits for Class 1 Div 1 area	

iTrace

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