

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

Shawnee, KS 66218

Telephone 800-362-0261

Fax 913-307-0452

