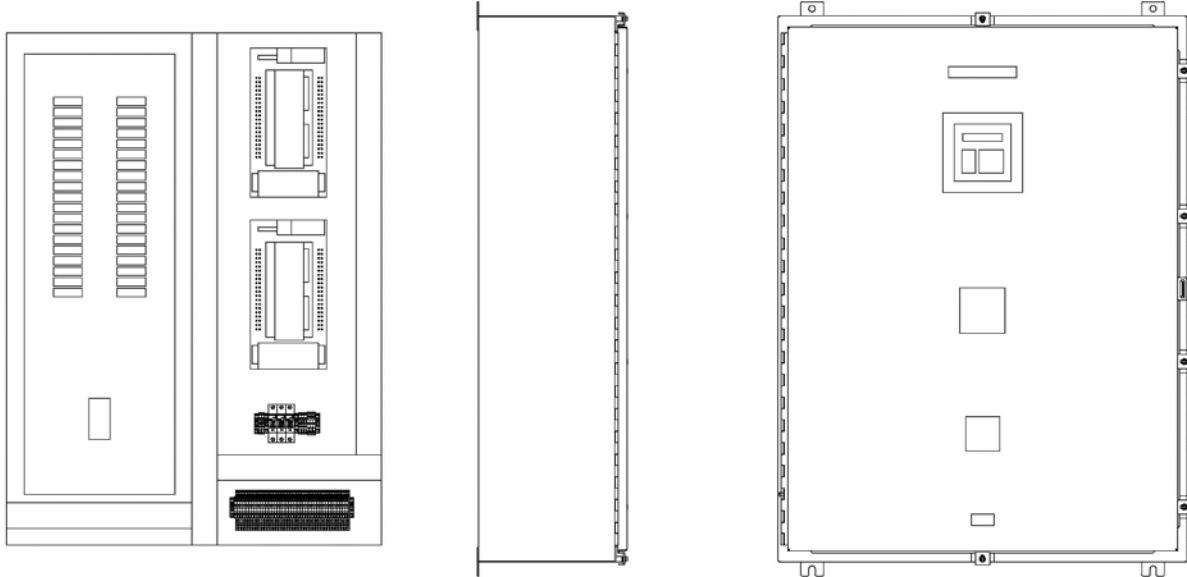


**iTrace CP-20**



|                         |     |                             |                          |
|-------------------------|-----|-----------------------------|--------------------------|
| <b>Heater Circuits:</b> | 20  | <b>Dimension:</b>           | 48"x36"x12" without legs |
| <b>Breaker:</b>         | 30A | <b>Max Main Disconnect:</b> | 225A                     |

## Performance Specifications

| Temperature Input     |  |
|-----------------------|--|
| <b>Range:</b>         | -50 degrees F to +500 degrees F  |
| <b>Accuracy:</b>      | +/- 2.5 degrees F  |
| <b>Repeatability:</b> | +/- 1.5 degrees F  |
| <b>Sensor:</b>        | 100 ohm Pt 3 wire RTD<br>2 RTD's for freeze protection systems (primary & backup)<br>RTD for each circuit for the maintain systems |

| Heating Switching           |                             |
|-----------------------------|-----------------------------|
| <b>Number of Circuit:</b>   | 10, 20, 30 or 40 (standard) |
| <b>Switch Rating:</b>       | 30 A @ 280 VAC standard     |
| <b>Current Measurement:</b> | 0.1 to 30A 3%+/- 0.2A       |
| <b>GF Measurement:</b>      | 10 to 1000mA 5%+/-2mA       |

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

| User Interface           |   |
|--------------------------|---|
| <b>Display:</b>          | 20 Character x 2 Line Display                                 |
| <b>Keypad:</b>           | 9 Tactile Keys  |
| <b>Contrast:</b>         | Adjustable  |
| <b>Panel Indicators:</b> | Power ON<br>Current heater display on system & process alarms |
| <b>NEMA Rating:</b>      | 4 or 4X per request   |

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

| Ground Fault          |           |
|-----------------------|-----------|
| <b>Max Trip Time:</b> | 24.5 msec |

| Current Input    |                  |
|------------------|------------------|
| <b>Range:</b>    | 0.1A to 100A per |
| <b>Accuracy:</b> | 3% +/- 0.2 A     |

| Optional Communication |   |
|------------------------|---|
| <b>Protocol:</b>       | Modbus RTU (Standard)<br>Allen Bradley Ethernet I/P |

| Alarms               |  |
|----------------------|--|
| <b>Alarm Output:</b> | Programmable NO or NC<br>One dry mech contact<br>Mech - 120Vac @ 1A<br>DC - 30Vdc/0.1A |

| Additional Options   |                              |
|----------------------|------------------------------|
| <b>Purge Systems</b> | Purge Kits for Class 1 Div 1 |

## PANEL ORDER SPECIFICATIONS

| <b>CP-20 - TWENTY HEAT TRACE CHANNELS</b> |  |
|---|--|
| <b>Power Feed Voltage</b>                 |  |
| -1  | 480V Rated 3 Phase                             |
| -2  | 208V Rated 3 Phase                             |
| -3  | 240V Rated 1 Phase                             |
| -4  | 208V Rated 1 Phase                             |
| <b>Heat Circuit Voltage</b>               |  |
| 1   | 277 VAC  |
| 2   | 120 VAC  |
| 3   | 208 VAC  |
| 4   | 240 VAC  |
| C   | CUSTOM (Custom Mix of 1P and 2P Breakers)      |
| <b>Main Breaker</b>                       |  |
| 0   | 80 A   |
| 1   | 100A   |
| 2   | 150A   |
| 3   | 200A   |
| 4   | 225A   |
| <b>NEMA Rating</b>                        |  |
| -1  | NEMA 12 Indoor Splash Proof                    |
| -2  | NEMA 4 Outdoor Rain and Spray Proof (Standard) |
| -3  | NEMA 4X Outdoor Rain and Corrosion Resistant   |
| <b>Module 1</b>                           |  |
| 1   | Maintain                                       |
| 2   | Freeze Protection (Ambient Sensing)            |
| <b>Module 2</b>                           |  |
| 1   | Maintain                                       |
| 2   | Freeze Protection (Ambient Sensing)            |
| 3   | Freeze Protection (Slave Unit)                 |
| <b>Communication Option</b>               |  |
| 0   | None   |
| 1   | Modbus   |
| 2   | Allen Bradley Ethernet I/P                     |
| <b>Floor Legs</b>                         |  |
| -0  | None   |
| -2  | 18 Inch  |
| -3  | 24 Inch  |
| <b>Purge Kit</b>                          |  |
| 0   | No   |
| P   | Yes  |
| PS  | Yes with Alarm Output                          |
| CP-20                                     |  |

Project Name: \_\_\_\_\_

Contact: \_\_\_\_\_