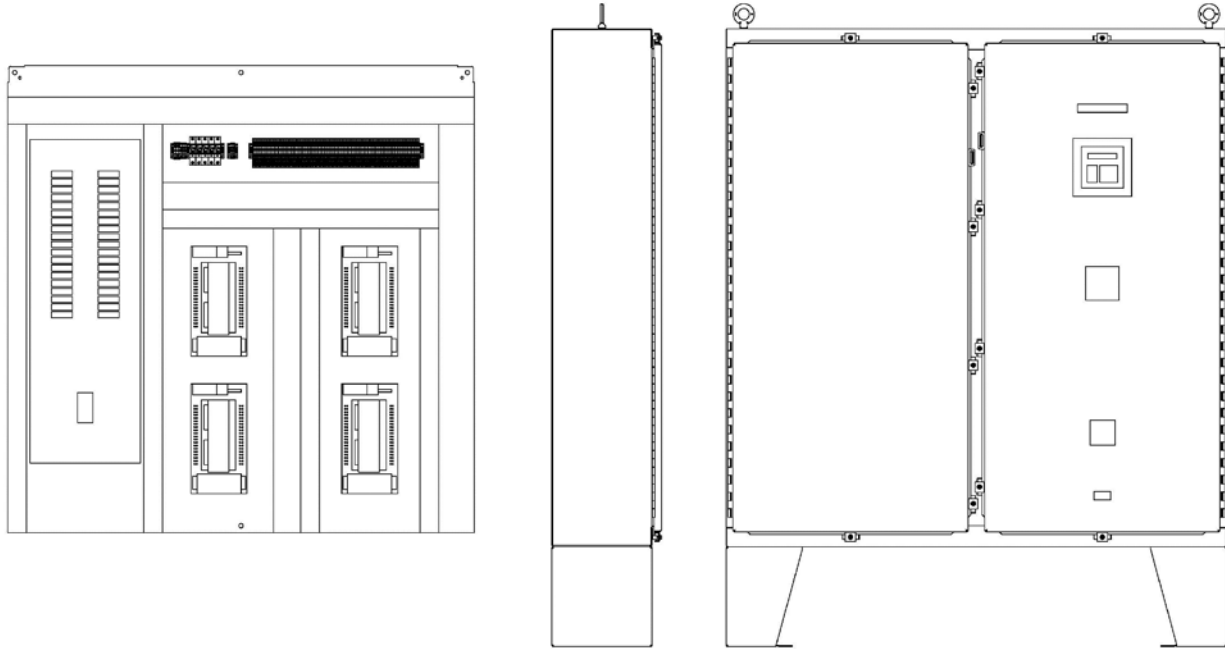


**iTrace CP-40**



<b>Heater Circuits:</b>	40*	<b>Dimension:</b>	60"x60"x12" with legs
<b>Breaker:</b>	30A	<b>Max Main Disconnect:</b>	225A

\* Twenty double pole breakers is the maximum number of breakers allowed in a single distribution panel. A single breaker can tie to multiple heating circuits. The sum of these heating circuits cannot be more than 30Amps. Optional panels can be designed to accommodate if necessary. Call your sales support to find more options.

## 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 2 RTD's for freeze protection systems (primary & backup) 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 Current heater display on system & process alarms
<b>NEMA Rating:</b>	4 or 4X per request

Alarm Messages	
<b>Temperature:</b>	High Temperature Alarm Low Temperature Alarm
<b>Current:</b>	High Current Alarm Low Current Alarm High Current Trip
<b>Ground Fault Current:</b>	GF Current Alarm GF Current Trip
<b>Hardware:</b>	Self-Failure Switch Shorted RTD Open 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) Allen Bradley Ethernet I/O

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

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

## PANEL ORDER SPECIFICATIONS

<b>CP-40 - FORTY 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>Module 3</b>	
1	Maintain
2	Freeze Protection (Ambient Sensing)
3	Freeze Protection (Slave Unit)
<b>Module 4</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/O
<b>Floor Legs</b>	
-1	12 Inch
<b>Purge Kit</b>	
0	No
P	Yes
PS	Yes with Alarm Output
CP-40	

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

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