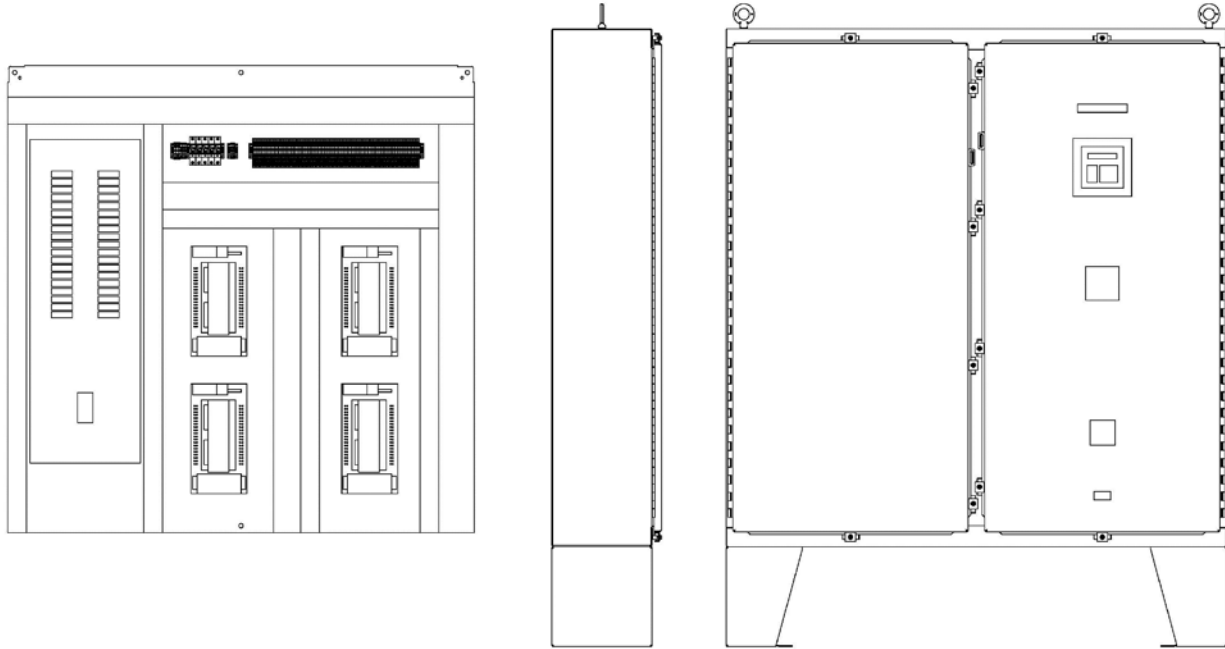


iTrace CP-40



Heater Circuits:	40*	Dimension:	60"x60"x12" with legs
Breaker:	30A	Max Main Disconnect:	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	
Range:	-50 degrees F to +500 degrees F
Accuracy:	+/- 2.5 degrees F
Repeatability:	+/- 1.5 degrees F
Sensor:	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	
Number of Circuit:	10, 20, 30 or 40 (standard)
Switch Rating:	30 A @ 280 VAC standard
Current Measurement:	0.1 to 30A 3%+/- 0.2A
GF Measurement:	10 to 1000mA 5%+/-2mA

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

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

Alarm Messages	
Temperature:	High Temperature Alarm Low Temperature Alarm
Current:	High Current Alarm Low Current Alarm High Current Trip
Ground Fault Current:	GF Current Alarm GF Current Trip
Hardware:	Self-Failure Switch Shorted RTD Open RTD Shorted

Ground Fault	
Max Trip Time:	24.5 msec

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

Optional Communication	
Protocol:	Modbus RTU (Standard) Allen Bradley Ethernet I/O

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

Additional Options	
Purge Systems	Purge Kits for Class 1 Div 1

PANEL ORDER SPECIFICATIONS

CP-40 - FORTY HEAT TRACE CHANNELS	
Power Feed Voltage	
-1	480V Rated 3 Phase
-2	208V Rated 3 Phase
-3	240V Rated 1 Phase
-4	208V Rated 1 Phase
Heat Circuit Voltage	
1	277 VAC
2	120 VAC
3	208 VAC
4	240 VAC
C	CUSTOM (Custom Mix of 1P and 2P Breakers)
Main Breaker	
0	80 A
1	100A
2	150A
3	200A
4	225A
NEMA Rating	
-1	NEMA 12 Indoor Splash Proof
-2	NEMA 4 Outdoor Rain and Spray Proof (Standard)
-3	NEMA 4X Outdoor Rain and Corrosion Resistant
Module 1	
1	Maintain
2	Freeze Protection (Ambient Sensing)
3	Freeze Protection (Slave Unit)
Module 2	
1	Maintain
2	Freeze Protection (Ambient Sensing)
3	Freeze Protection (Slave Unit)
X	Not Used
Module 3	
1	Maintain
2	Freeze Protection (Ambient Sensing)
3	Freeze Protection (Slave Unit)
X	Not Used
Module 4	
1	Maintain
2	Freeze Protection (Ambient Sensing)
3	Freeze Protection (Slave Unit)
X	Not Used
Communication Option	
0	None
1	Modbus
2	Allen Bradley Ethernet I/O
Floor Legs	
-1	12 Inch
Purge Kit	
0	No
P	Yes
PS	Yes with Alarm Output
CP-40	

Project Name: _____

Contact: _____