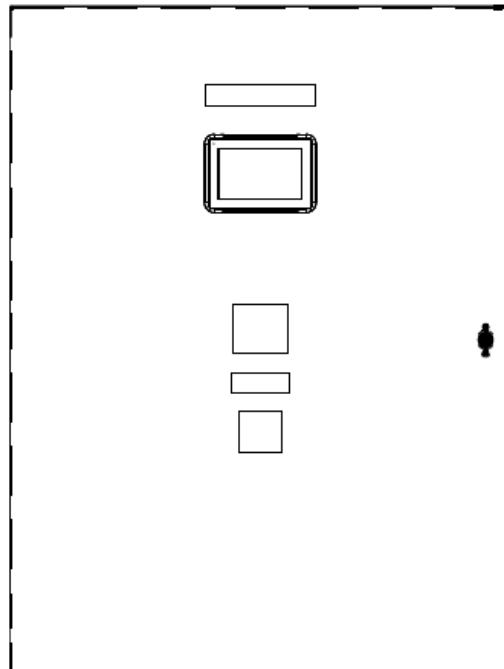
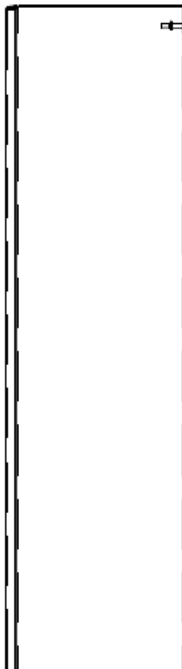
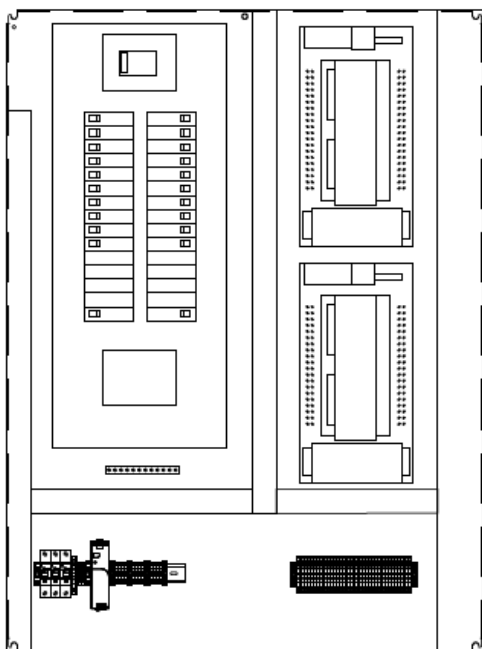


iTrace CP-20



Heater Circuits:	20	Dimension:	48"x36"x12" without legs
Breaker:	30A	Max Main Disconnect:	225A

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 OEM	
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

User Interface Outdoor X2 Extreme Touchscreen	
Display:	TFT-LCD with LED Backlight
Power Input:	24 VDC (18 to 32 VDC)
Resolution:	800 x 480 Pixels (16:9)
Power Performance:	Dual-Core Cortex-A9 800 MHz Processor With 1 GB RAM
Operating Environment:	-22°F to 158°F ; -30°C to +70°C

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

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

Additional Options	
Purge Systems	Purge Kits for Class 1 Div 1

User Interface Indoor X2 Pro Touchscreen	
Display:	TFT-LCD with LED Backlight
Power Input:	24 VDC (18 to 32 VDC)
Resolution:	800 x 480 Pixels (16:9)
Power Performance:	Dual-Core Cortex-A9 800 MHz Processor With 1 GB RAM
Operating Environment:	14°F to 140°F ; -10°C to +60°C

PROJECT NAME _____ CONTACT _____

Number of Channels										
CP-10	10 Heat Trace Channels									
CP-20	20 Heat Trace Channels									
CP-30	30 Heat Trace Channels									
CP-40	40 Heat Trace Channels									
	Power Feed		Trace							
	Voltage	Phase	Voltage	Max Number of Circuits						
	-1	480V	/ 3P	/ 277 V	/ Max Number of Circuits: 40					
	-2	208V	/ 3P	/ 208 V	/ Max Number of Circuits: 20					
	-3	240V	/ 3P	/ 240 V	/ Max Number of Circuits: 20					
	-4	208V	/ 1P	/ 120 V	/ Max Number of Circuits: 40					
	-5	240V	/ 1P	/ 120 V	/ Max Number of Circuits: 40					
	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								
	Message Center / Touchscreen									
	-1	OEM - 2x16 characters, LCD Message Center								
	-X	X2 Pro TS - Indoor Touchscreen NEMA 4X								
	-2X	X2 Extreme TS - Outdoor Touchscreen NEMA 4x, -15F and sunlight rated								
	Type									
	1	Maintain - Requires RTD for each Maintain Circuit								
	2	Freeze Protection - Requires 1 RTD								
	3	Snow Melt - Only with Extreme X2 TS								
	Customer Communication Port									
	0	None								
	1	Modbus - Extreme X2 and X2 Pro Touchscreens								
	2	AB Ethernet I/P™ - Extreme X2 and X2 Pro Touchscreens								
	3	BACnet® - Extreme X2 and X2 Pro Touchscreens								
Floor Leg										
-0	None									
-1	24" (CP-10 or CP-20)									
-2	12" (Standard On CP-30, CP-40)									
-3	18" (CP-10, CP-20 or CP-30)									
Purge Kit										
0	No									
1	Yes									
CP-									PANEL PART NUMBER	