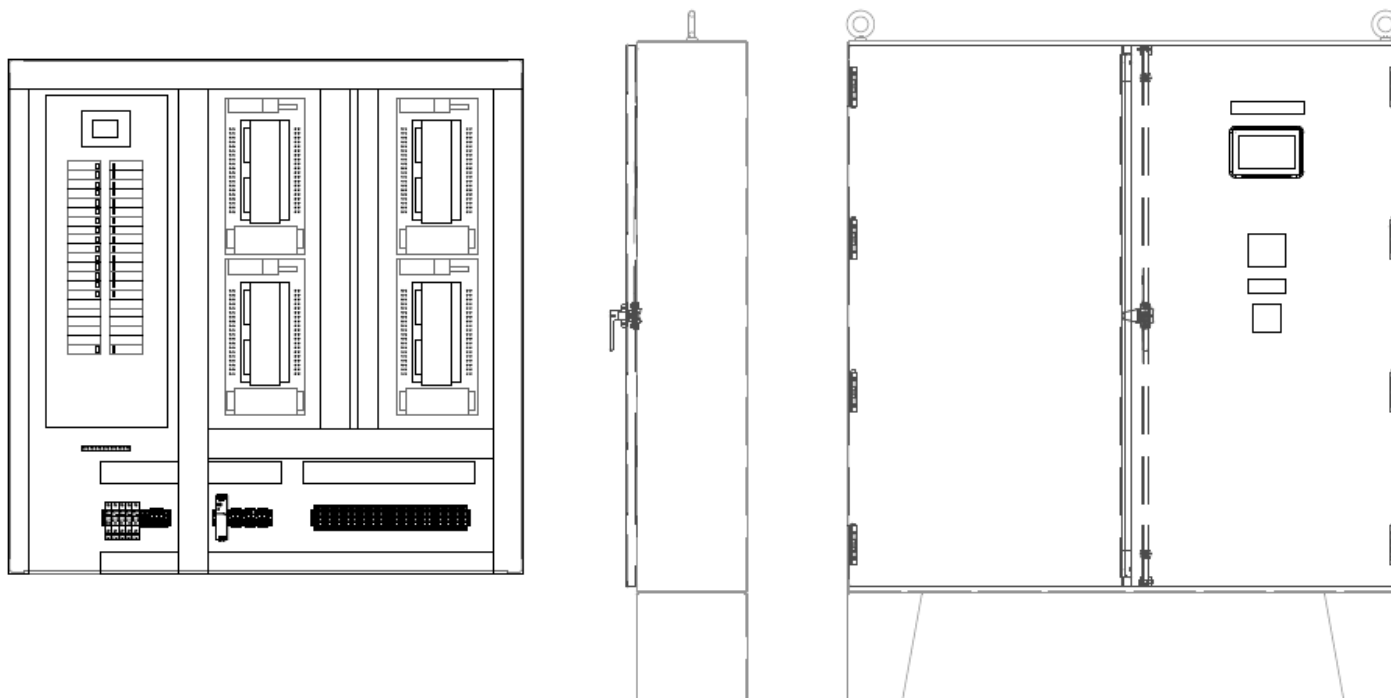


## iTrace CP-40



|                         |     |                             |                       |
|-------------------------|-----|-----------------------------|-----------------------|
| <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<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 OEM       |                                                               |
|--------------------------|---------------------------------------------------------------|
| <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                                           |

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

| 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     |

| 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 |

| User Interface Indoor X2 Pro Touchscreen |                                                           |
|------------------------------------------|-----------------------------------------------------------|
| <b>Display:</b>                          | TFT-LCD with LED Backlight                                |
| <b>Power Input:</b>                      | 24 VDC (18 to 32 VDC)                                     |
| <b>Resolution:</b>                       | 800 x 480 Pixels (16:9)                                   |
| <b>Power Performance:</b>                | Dual-Core Cortex-A9<br>800 MHz Processor<br>With 1 GB RAM |
| <b>Operating Environment:</b>            | 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              |                                                                      |              |                |       |                               |                            |  |                   |
|                    | <b>Power Feed</b>                   |                                                                      | <b>Trace</b> |                |       |                               |                            |  |                   |
|                    | <b>Voltage</b>                      |                                                                      | <b>Phase</b> | <b>Voltage</b> |       | <b>Max Number of Circuits</b> |                            |  |                   |
| -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 |  |                   |
|                    | <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                                 |              |                |       |                               |                            |  |                   |
|                    | <b>Message Center / Touchscreen</b> |                                                                      |              |                |       |                               |                            |  |                   |
|                    | -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 |              |                |       |                               |                            |  |                   |
|                    | <b>Type</b>                         |                                                                      |              |                |       |                               |                            |  |                   |
|                    | 1                                   | Maintain - Requires RTD for each Maintain Circuit                    |              |                |       |                               |                            |  |                   |
|                    | 2                                   | Freeze Protection - Requires 1 RTD                                   |              |                |       |                               |                            |  |                   |
|                    | 3                                   | Snow Melt - Only with Extreme X2 TS                                  |              |                |       |                               |                            |  |                   |
|                    | <b>Customer Communication Port</b>  |                                                                      |              |                |       |                               |                            |  |                   |
|                    | 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                         |              |                |       |                               |                            |  |                   |
|                    | <b>Floor Leg</b>                    |                                                                      |              |                |       |                               |                            |  |                   |
|                    | -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)                                          |              |                |       |                               |                            |  |                   |
|                    | <b>Purge Kit</b>                    |                                                                      |              |                |       |                               |                            |  |                   |
|                    | 0                                   | No                                                                   |              |                |       |                               |                            |  |                   |
|                    | 1                                   | Yes                                                                  |              |                |       |                               |                            |  |                   |
| CP-                |                                     |                                                                      |              |                |       |                               |                            |  | PANEL PART NUMBER |