



# Heat Trace Controller Comparison

|                                      | <b>Frio S1-A</b>                   | <b>DigiTrace C910</b>  |
|--------------------------------------|------------------------------------|------------------------|
| <b>Voltage</b>                       | 120-277 VAC 50/60 Hz.              | 120-277 VAC 50/60 Hz.  |
| <b>Current</b>                       | 30 A                               | 30 A                   |
| <b>Relay Type</b>                    | Double-pole Mechanical             | Double-pole Mechanical |
| <b>Enclosure</b>                     | NEMA 4X                            | NEMA 4X                |
| <b>Dimensions</b>                    | 6.29in x 7.55in x 3.625 in         | 10in x 8.5in 6.25in    |
| <b>Operating Temperature</b>         | -30 °C to 60 °C                    | -30 °C to 60 °C        |
| <b>RTD Input</b>                     | PT 100 RTD                         | PT 100 RTD             |
| <b>Thermistor Input</b>              | Frio Thermistor Included (10k NTC) | -                      |
| <b>Local Communications</b>          | Modbus RS-485                      | Modbus RS-485          |
| <b>BACnet Connectivity</b>           | w/ Gateway                         | w/ Gateway             |
| <b>Wi-Fi Connectivity</b>            | 802.11 Dual Band 2.4 GHz & 5 GHz   | -                      |
| <b>Ethernet Connectivity</b>         | Ethernet (RJ45, Cat 5 or 6)        | -                      |
| <b>GFEP Test</b>                     | Yes                                | Yes                    |
| <b>GFEP Trip Level</b>               | Adjustable 30-300 mA               | 30 mA                  |
| <b>Alarm Output</b>                  | Dry Contact                        | Dry Contact            |
| <b>GFEP Alarm</b>                    | Yes                                | Yes                    |
| <b>Sensor Failure Alarm</b>          | Yes                                | Yes                    |
| <b>Low Temperature Alarm</b>         | Yes                                | Yes                    |
| <b>High Temperature Alarm</b>        | Yes                                | Yes                    |
| <b>Low Current Alarm</b>             | Yes                                | Yes                    |
| <b>High Current Alarm</b>            | Yes                                | -                      |
| <b>Power Loss Alarm</b>              | Yes                                | Yes                    |
| <b>Network Loss Alarm</b>            | Yes                                | -                      |
| <b>Heater On LED</b>                 | Yes                                | Yes                    |
| <b>Alarm LED</b>                     | Yes                                | Yes                    |
| <b>Status LED</b>                    | Yes                                | -                      |
| <b>Ambient Control</b>               | Yes                                | Yes                    |
| <b>Pipe Sensing Control</b>          | Yes                                | Yes                    |
| <b>Cloud Platform Compatible</b>     | Yes                                | -                      |
| <b>Mobile Device Compatible</b>      | Yes                                | -                      |
| <b>Cloud-Based Monitoring</b>        | Yes                                | -                      |
| <b>Cloud-Based Control</b>           | Yes                                | -                      |
| <b>Hybrid Cloud Control</b>          | Yes                                | -                      |
| <b>Spot Check Verification</b>       | Yes                                | -                      |
| <b>Automatic Installation Report</b> | Yes                                | -                      |
| <b>SMS Notifications</b>             | Yes                                | -                      |
| <b>Email Notifications</b>           | Yes                                | -                      |
| <b>Remote Test/Reset</b>             | Yes                                | -                      |
| <b>Remote Override</b>               | Yes                                | -                      |
| <b>Remote Settings Configuration</b> | Yes                                | -                      |
| <b>Remote Device Management</b>      | Yes                                | -                      |