

Heat Trace Control & Panel Selection Guide

Heat Trace Controls & Panels

| Model Number | DTS-HAZ, DTS-HAZ-DC | ITC1, ITC2 | ITAS-6/36 | ITAS-EXT-6/36 | ITLS-6/36 |
|-------------------|--|---|---|---|---|
| Mounting | Pipe | Wall | Wall or Floor | Wall or Floor | Wall & Floor |
| Power Control | SSR | SSR | SSR | SSR | SSR |
| Voltage | 100-277 | 100-277 | 120-480 | 120-480 | 120-480 |
| Max Current (1) | 30 Amps per Circuit | 40 Amps per Circuit | 40 Amps per Circuit | 40 Amps per Circuit | 40 Amps per Circuit |
| Environment | NEMA 4X | NEMA 4X | NEMA 4 or NEMA 4X | NEMA 4 or NEMA 4X | NEMA 4 or NEMA 4X |
| Temp Control | Integral Controller | IntelliTRACE® | IntelliTRACE® Controller | Controlled by ITAS Base Controller | IntelliTRACE® |
| Phase | 1 Phase | 1 Phase | 1 & 3 Phase | 1 & 3 Phase | 1 & 3 Phase |
| Circuits | 1 | 1 or 2 | 6,12,18,24,30,36 | 6,12,18,24,30,36 | 6,12,18,24,30,36 |
| Standard Features | Soft Start, AC or DC Alarm, Programmable Setpoint, Hi/Lo Temp. & Large Display | Soft Start, Temp., Current, Ground Fault & Sensor Monitoring & Alarms, Communications, 1 or 2 RTD inputs/Ckt, Large TFT Display | Temperature, GFEP & Current Monitoring & Alarms, Soft Start | Temperature, GFEP & Current Monitoring & Alarms, Soft Start | Temperature, GFEP & Current Monitoring & Alarms, Soft Start |
| Options | Wall Mounting | Ethernet IP, Wireless Communications | Main Disconnect, Enclosure Heater | Main Disconnect, Enclosure Heater | Customizable I/O Mapping, Multiple Sensor Inputs per Circuit, Main Disconnect, Enclosure Heater |
| Agency Approvals | UL, cUL, CE, IECEX/ATEX | UL, cUL, CE | UL, cUL (CE Optional) | UL, cUL (CE Optional) | UL, cUL (CE Optional) |
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Heat Trace Controls & Panels (cont'd.)

| Model Number | ITLS-EXT-6/36 | ITASC1D2-6/36 | ITASC1D2-EXT-6/36 | ITLSC1D2-6/36 | ITLSC1D2-EXT-6/36 |
|-------------------|---|---|---|---|---|
| Mounting | Wall & Floor | Wall or Floor | Wall or Floor | Wall or Floor | Wall or Floor |
| Power Control | SSR | SSR | SSR | SSR | SSR |
| Voltage | 120-480 | 120-480 | 120-480 | 120-480 | 120-480 |
| Max Current (1) | 40 Amps per Circuit | 40 Amps per Circuit | 40 Amps per Circuit | 40 Amps per Circuit | 40 Amps per Circuit |
| Environment | NEMA 4 or NEMA 4X | NEMA 4 or NEMA 4X (Class I, Div. 2) | NEMA 4 or NEMA 4X (Class I, Div. 2) | NEMA 4 or NEMA 4X (Class I, Div. 2) | NEMA 4 or NEMA 4X (Class I, Div. 2) |
| Temp Control | Controlled by ITLS Base Controller | IntelliTRACE® Controller | Controlled by ITASC1D2 Base Controller | IntelliTRACE® Controller | Controlled by ITLSC1D2 Base Controller |
| Phase | 1 & 3 Phase | 1 & 3 Phase | 1 & 3 Phase | 1 & 3 Phase | 1 & 3 Phase |
| Circuits | 6,12,18,24,30,36 | 6,12,18,24,30,36 | 6,12,18,24,30,36 | 6,12,18,24,30,36 | 6,12,18,24,30,36 |
| Standard Features | Temperature, GFEP & Current Monitoring & Alarms, Soft Start | Temperature, GFEP & Current Monitoring & Alarms, Soft Start | Temperature, GFEP & Current Monitoring & Alarms, Soft Start | Temperature, GFEP & Current Monitoring & Alarms, Soft Start | Temperature, GFEP & Current Monitoring & Alarms, Soft Start |
| Options | Customizable I/O Mapping, Multiple Sensor Inputs per Circuit, Main Disconnect, Enclosure Heater | Main Disconnect, Enclosure Heater | Main Disconnect, Enclosure Heater | Customizable I/O Mapping, Multiple Sensor Inputs per Circuit, Main Disconnect, Enclosure Heater | Customizable I/O Mapping, Multiple Sensor Inputs per Circuit, Main Disconnect, Enclosure Heater |
| Agency Approvals | UL, cUL (CE Optional) | UL, cUL (CE Optional) | UL, cUL (CE Optional) | UL, cUL (CE Optional) | UL, cUL (CE Optional) |
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