

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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Heat Trace Controls & Panels (cont'd.)

Model Number	FPAS	FPLS	FPASM	FPLSM
Mounting	Wall	Wall	Wall	Wall
Power Control	Contactora	Contactora	Contactora	Contactora
Voltage	120, 208, 240, 277	120, 208, 240, 277	120, 208, 240, 277	120, 208, 240, 277
Max Current (1)	100/225	100/225	100/225	100/225
Environment	NEMA 4 or Optional NEMA 4X	NEMA 4 or Optional NEMA 4X	NEMA 4 or Optional NEMA 4X	NEMA 4 or Optional NEMA 4X
Temp Control	6040 (Optional)		6040 (Optional)	
Phase	1, 3 Phase	1, 3 Phase	1, 3 Phase	1, 3 Phase
Circuits	120, 208, 240 Vac Load Voltage Systems: 12, 20, 30 or 40 Circuits 277 Vac Load Voltage Systems: 18, 30 or 42 Circuits		120, 208, 240 Vac Load Voltage Systems: 12, 20, 30 or 40 Circuits 277 Vac Load Voltage Systems: 18, 30 or 42 Circuits	
Standard Features	Ground Fault Monitor, Individual Circuit Breakers	Ground Fault Monitor, Individual Circuit Breakers	Ground Fault Monitor, Individual Circuit Breakers, Sentinel Monitoring System	Ground Fault Monitor, Individual Circuit Breakers, Sentinel Monitoring System
Options	Enclosure Heater, Disconnect Switch, Temperature Controller, Z-Purge System for Class I, Div 2.	Enclosure Heater, Disconnect Switch, Z-Purge System for Class I, Div 2.	Enclosure Heater, Disconnect Switch, Temperature Controller, Z-Purge System for Class I, Div 2.	Enclosure Heater, Disconnect Switch, Z-Purge System for Class I, Div 2.
Agency Approvals	UL, cUL	UL, cUL	UL, cUL	UL, cUL
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