

Panel Selection Guide

Low Current SCRs (<110A)

Model Number	4214	4224	4168	4268	4532	4534	4537
Mounting	Wall	Wall	Wall	Wall	Wall	Wall	Wall
Power Control	SSR	SSR	SCR with External Heat Sink	SCR with External Heat Sink	SCR	SCR	SCR
Disconnect	OPTION	OPTION	OPTION	OPTION	STD	STD	STD
Shut down Device	Contactora	Contactora	Contactora	Contactora	Contactora	Contactora	Contactora
Load Fusing			OPTION	OPTION			
Voltage	120 - 600	120 - 600	120 - 600	120 - 600	120-480	120-480	120-480
Max. Current (@40°C)	30	30	65	65	90	30	45
Environment	NEMA 4/12	NEMA 4/12	NEMA4/12	NEMA 4/12	NEMA 1(2)	NEMA 4	NEMA 7
Temp Control	6040	6040	6040, 4040 or 4080	6040, 4040 or 4080	6040, 4040 or 4080	6040, 4040 or 4080	6040, 4040 or 4080
Overtemp Control	6050	6050	6050 or 4050	6050 or 4050	6050 or 4050	6050 or 4050	6050 or 4050
Phase	Single	3 Phase,2-leg	Single	3 Phase,2-leg	3 Phase,2-leg	3 Phase,2-leg	3 Phase,2-leg
Circuits	1	1	1	1	1	1	1
Options	Main Disconnect, Ground Fault Monitor, Enclosure Heater	Main Disconnect, Ground Fault Monitor, Enclosure Heater	Main Disconnect, Ground Fault Monitor, Enclosure Heater	Main Disconnect, Ground Fault Monitor, Enclosure Heater	Ground Fault Monitor, Control Pot Input	Ground Fault Monitor, Enclosure Heater, Control Pot Input	Ground Fault Monitor, Enclosure Heater, NEMA 4 Gasket
Agency Approvals	UL,cUL	UL,cUL	UL,cUL	UL,cUL	UL,cUL	UL,cUL	
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High Current SCRs (30 to 1200A)

Model Number	4131	4132	4133	4232/33	4235	4236	IntelliPANEL
Mounting	Wall	Wall	Wall	Wall or Floor Mount	Wall	Wall	Wall or Floor Mount
Power Control	MaxPac	MaxPac	MaxPac	MaxPac	SCR with External Heat Sink	SCR with External Heat Sink	MaxPac
Disconnect				STD	STD	STD	STD
Shut down Device				Shunt Trip	Shunt Trip	Shunt Trip	Shunt Trip
Load Fusing				OPTION	STD	STD	OPTION
Voltage	120-600	120-600	120-600	208-600	208-600	208-600	208-600
Max. Current (1)	650	650	650	1200	432	432	1200
Environment	NEMA 1(2)	NEMA 1(2)	NEMA 1(2)	NEMA 1(2)	NEMA 4	NEMA 4X	NEMA 1
Temp Control				4040 or 4080	4040 or 4080	4040 or 4080	Touch Screen
Overtemp Control				4050 (up to 3)	4050 (up to 3)	4050 (up to 3)	6050 (up to 3)
Phase	Single Phase	3 Phase, 2-leg	3 Phase, 3-leg	3 Phase, 2-leg, 3-leg	3 Phase, 2-leg	3 Phase, 2-leg	3 Phase, 2-leg, 3-leg
Circuits	1	1	1	1 or 2 SCRs, up to 10 ckts	Up to 6	Up to 6	Up to 16
Options	Multimeter, Shorted SCR Detection, Ground Fault Monitor	Multimeter, Shorted SCR Detection, Ground Fault Monitor	Multimeter, Shorted SCR Detection, Ground Fault Monitor	Multimeter, Shorted SCR Detection, Ground Fault Monitor, Floor Stand Kit	Multimeter, Shorted SCR Detection, Ground Fault Monitor, Floor Stand Kit	Multimeter, Shorted SCR Detection, Ground Fault Monitor, Floor Stand Kit	Communications, Shut Down Contactors
Agency Approvals	UL,cUL	UL,cUL	UL,cUL	UL,cUL	UL,cUL		UL,cUL, CE
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(1)All current ratings at 40°C external to enclosure

(2) Ventilating NEMA 12 enclosure derates panel to NEMA 1

Panel Selection Guide *(cont'd.)*

Contactor

Model Number	4464	4466	4468	4463	4477	4432	4436
Mounting	Wall	Wall	Wall	Wall	Wall	Wall	Wall
Power Control	Contactor	Contactor	Contactor	Contactor	Contactor	Contactor, Optional 1 Ckt SSR	Contactor, Optional 1 Ckt SSR
Disconnect	OPTION	OPTION	OPTION	STD	STD	STD	STD
Shut down Device	Contactor	Contactor	Contactor	Contactor	Ckt. Breaker	Contactor	Contactor
Load Fusing	OPTION	OPTION	OPTION				
Voltage	120-480	120-480	120-480	240, 480	240, 480	208-480	208-480
Max. Current (1)	100	100	100	40/zone	75	576	576
Environment	NEMA 4X (304 SS)	NEMA 4 (Painted Steel)	NEMA 4X (Fiberglass®)	NEMA 4X	NEMA 7/4	NEMA 12,4	NEMA 4X
Temp Control	6040 or 4040	6040 or 4040	6040 or 4040	6040	6040 or 4040	4040	4040
Overtmp Control	6050 or 4050	6050 or 4050	6050 or 4050		6050 or 4050	4050	4050
Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase
Circuits	1	1	1	4 Zones	1	6	6
Options	Enclosure Heater	Enclosure Heater	Enclosure Heater		Enclosure Heater, Ground Fault Monitor, Enclosure View Window	Enclosure Heater, Multimeter, Stepper, Ground Fault Monitor, "Z" Air Purge Kit	Enclosure Heater, Multimeter, Stepper, Ground Fault Monitor, "Z" Air Purge Kit
Agency Approvals	UL,cUL	UL,cUL	UL,cUL	UL,cUL	UL,cUL	UL,cUL	UL,cUL
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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	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	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	Contactor	Contactor	Contactor	Contactor
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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