

intelliTRACE™



HTAS

Heat Tracing Ambient Sensing Control Panel Series 8000/12000/24000

- Color Touchscreen Operator Panel
- Eight/Twelve/Twenty-Four Points of Power Control
- Optional Ambient Sensing Controller
- NEMA 4 Enclosure
- Continuity Alarming
- Ground Fault Alarming/Trip
- Common Alarm Output
- Load Management
- Internal Power Distribution (Includes Circuit Breakers)
- 120, 240, 480, and 277 Vac
- Auto-Cycle Feature
- Current Display
- Network Communications
- Hand/Off/Auto Selection



Description

The IntelliTRACE HTAS Series is a microprocessor based Monitoring and Power Management/Distribution system for Heat Trace Applications.

The IntelliTRACE Multi-Channel Heat Trace System provides Alarms for Continuity, and Ground Fault Leakage. The Advanced Features include a Color Touchscreen Operator Interface Panel that provides simple programming with no keyboards or cryptic labels. The panel displays loop status, alarm conditions and graphics on currents.

With the built-in power distribution, the IntelliTRACE multi-loop provides **reduced material, installation, and maintenance costs**. The load management feature eliminates the need for expensive ground fault breakers, limits inrush current and systematically interrogates all circuits for continuity and ground fault leakage.

Technical Specifications

Supply Voltage: 120, 240, 480, and 277Vac, Three-Phase

Operating Environment: 32 – 120°F (0 – 40°C) -30 - 104°F (-34 - 40°C) with enclosure heater option

Communications: RS-485 MODBUS®

Output: Two-Pole Contactors

Maximum Current: 24 Amps/Ckt

Ground Fault Alarm: Adjustable 25 – 500mA Factory Set @ 30mA

Continuity Alarm: < 2 amps Non-Latching.

Load Management: 15 sec. Non-Overlap to Reduce Inrush.

Auto-Cycle: Programmable to 720 Hrs (30 days)

Control Mode: Optional Ambient Sensing Controller.

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Control Panel

Series 8000/12000/24000

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Ordering Information

To Order — Complete the Model Number using the Matrix provided.

Note — Due to the nature of Division 1 hazardous location applications consultation with a factory representative is required.

Model	
HTAS	IntelliTRACE 8000 Series Ambient Sensing Heat Trace Panel
	Panel Configuration
	cUL and UL Listed Eight Loop Ambient Sensing Temperature/Monitor Heat Trace Panel. Factory pre-wired for quick installation. Includes: Two-Pole Contactors, Current Transmitters, Ground Fault INdication or Shutdown, Continuity Alarms, Common Alarm Output, Loop Enable/Disable, Hand/Off/Auto, Auto Cycle Feature, Thermal Magnetic Circuit Breakers, Color Touch Screen Programming, NEMA 4 rated Enclosure (36" x 30"W x 8"D) for Indoor/Outdoor Applications. Options Include: Enclosure Heater, Type Z Purge System and Optional Ambient Temperature Sensing Controllers.
	CODE Eight Zones of Monitored Power Control
	8
	CODE Voltage
	0 120 Vac (Includes Single-Pole Circuit Breakers) 208Y/120 Vac Three Phase Four-Wire
	1 240 Vac (Includes Double-Pole Circuit Breakers) 240Vac Three Phase
	2 277 Vac (Includes Single-Pole Circuit Breakers) 480Y/277 Vac Three-Phase Four-Wire
	3 480 Vac (Includes Double Pole Circuit Breakers) 480Y/277 Vac Three-Phase
	CODE Circuit Breaker Selection
	1 15 Amp Thermal Magnetic
	2 20 Amp Thermal Magnetic
	3 30 Amp Thermal Magnetic
	CODE Enclosure Heater
	0 None
	1 Thermostat Controlled Enclosure Heater
	CODE Ambient Sensing Controller
	0 None (Remote Mounted).
	1 1601E-11030
	2 1603E-11030
	CODE Pressurization Control System
	0 None
	1 Type Z for Class I Division II Hazardous Location
HTAS	8 0 1 0 0 0 0 Typical Model Number

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Series 8000/12000/24000

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Ordering Information

To Order —
Complete the Model Number using the Matrix provided.

Note — Due to the nature of Division 1 hazardous location applications consultation with a factory representative is required.

Model							
HTAS	IntelliTRACE 12000 Ambient Sensing Heat Trace Panel						
	Panel Configuration						
	cUL and UL Listed Twelve Loop Ambient Sensing Temperature/Monitor Heat Trace Panel. Factory pre-wired for quick installation. Includes: Two-Pole Contactors, Current Transmitters, Ground Fault Indication or Shutdown, Continuity Alarms, Common Alarm Output, Loop Enable/Disable, Hand/Off/Auto, Auto Cycle Feature, Thermal Magnetic Circuit Breakers, Color Touch Screen Programming, NEMA 4 rated Enclosure(48" x 36"W x 10"D) for Indoor/Outdoor Applications. Options Include: Enclosure Heater, Type Z Purge System and Optional Ambient Temperature Sensing Controllers.						
	CODE Twelve Zones of Monitored Power Control						
	12						
		CODE Voltage					
		0	120 Vac (Includes Single-Pole Circuit Breakers) 208Y/120 Vac Three-Phase Four-Wire				
		1	240 Vac (Includes Double-Pole Circuit Breakers) 240 Vac Three-Phase				
		2	277 Vac (Includes Single-Pole Circuit Breakers) 480Y/277 Vac Three-Phase Four-Wire				
		3	480 Vac (Includes Double Pole Circuit Breakers) 480Y/277 Vac Three-Phase				
			CODE Circuit Breaker Rating				
			1	15 Amp Thermal Magnetic			
			2	20 Amp Thermal Magnetic			
			3	30 Amp Thermal Magnetic			
				CODE Enclosure Heater			
				0	None		
				1	Thermostat Controlled Enclosure Heater		
					CODE Ambient Sensing Controller		
				0	None (Remote Mounted)		
				1	1601E-11030		
				2	1603E-11030		
					CODE Pressurization Control System		
				0	None		
				1	Type Z for Class I Division II Hazardous Location		
HTAS	12	0	1	0	0	0	Typical Model Number



HTAS

Heat Tracing Ambient Sensing

Control Panel

Series 8000/12000/24000

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Ordering Information

To Order —
Complete the Model Number using the Matrix provided.

Note — Due to the nature of Division 1 hazardous location applications consultation with a factory representative is required.

Model							
HTAS	IntelliTRACE 24000 Series Ambient Sensing Heat Trace Panel						
	Panel Configuration						
	cUL and UL Listed Twenty-Four Loop Ambient Sensing Temperature/Monitor Heat Trace Panel. Factory pre-wired for quick installation. Includes: Two-Pole Contactors, Current Transmitters, Ground Fault Indication or Shutdown, Continuity Alarms, Common Alarm Output, Loop Enable/Disable, Hand/Off/Auto, Auto Cycle Feature, Thermal Magnetic Circuit Breakers, Color Touch Screen Programming, NEMA 4 rated Enclosure (62"x 60"W x 12"D) for Indoor/Outdoor Applications. Options Include: Enclosure Heater, Type Z Purge System and Optional Ambient Temperature Sensing Controllers.						
	CODE	Twenty-Four Zones of Monitored Power Control					
	24						
	CODE	Voltage					
	0	120 Vac (Includes Single-Pole Circuit Breakers) 208Y/120 Vac Three-Phase Four-Wire					
	1	240 Vac (Includes Double-Pole Circuit Breakers) 240 Vac Three-Phase					
	2	277 Vac (Includes Single-Pole Circuit Breakers) 480Y/277 Vac Three-Phase Four-Wire					
	3	480 Vac (Includes Double Pole Circuit Breakers) 480Y/277 Vac Three-Phase					
	CODE	Circuit Breaker Rating					
	1	15 Amp Thermal Magnetic					
	2	20 Amp Thermal Magnetic					
	3	30 Amp Thermal Magnetic					
	CODE	Enclosure Heater					
	0	None					
	1	Thermostat Controlled Enclosure Heater					
	CODE	Ambient Sensing Controller					
	0	None (Remote Mounted)					
	1	1601E-11030					
	2	1603E-11030					
	CODE	Pressurization Control System					
	0	None					
	1	Type Z for Class I Division II Hazardous Location					
HTAS	24	0	1	0	0	0	Typical Model Number

MULTI-LOOP CONTROLLERS