

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, 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, and 277Vac, Three-Phase

Operating Environment: 32 – 120°F (0 – 40°C)

Communications: RS-485 MODBUS®

Output: Two-Pole Contactors

Maximum Current: 24 Amps/circuit

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

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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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 8000 Series Ambient Sensing Heat Trace Panel Order Table						
HTAS	cUL Listed Eight Loop Ambient Sensing Temperature/Monitor Heat Trace Panel. Nema 4 Steel Enclosure 36"H x 30"W x 8"D. Includes: Optional Ambient Sensing Controller, Two-Pole Contactors, Current Transformer to Measure Operating Currents, Continuity Alarms, Color Touchscreen Programming, GFI Indication or Shutdown, Common Alarm Output, Hand/Off/Auto Selection, Loop Enable/Disable and Auto-Cycle Feature.						
	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 Three-Wire Delta					
	2	277 Vac (Includes Single-Pole Circuit Breakers) 480Y/277 Vac Three-Phase Four-Wire					
	Code	Circuit Breaker Rating Selection					
	1	15 amp Thermal Magnetic circuit Breaker					
	2	20 amp Thermal Magnetic Circuit breaker					
	3	30 amp Thermal Magnetic Circuit Breaker					
	Code	Cabinet Heater					
	0	None					
	1	Thermostat Controlled Enclosure heater					
	Code	Ambient Sensing Controller					
	0	None (Remote Mounted).					
	1	1601-11030, Three-Digit, Single Display 1/16 DIN Controller with Temperature Alarms.					
2	1603-11030, Three-Digit, Dual Display 1/16 DIN Controller with Temperature alarms.						
Code	Pressurization Control System						
0	None						
1	Type Z for Class I Division II Hazardous Location						
HTAS	8	2	3	1	2	1	Typical Model Number

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Heat Tracing Ambient Sensing

Control Panel

Series 8000/12000/24000

(cont'd.)

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 12000 Series Ambient Sensing Heat Trace Panel Order Table						
HTAS	cUL Listed Twelve Loop Ambient Sensing Temperature/Monitor Heat Trace Panel. Nema 4 Steel Enclosure 48"H x 36"W x 10"D. Includes: Optional Ambient Sensing Controller, Two-Pole Contactors, Current Transformer to Measure Operating Currents, Continuity Alarms, Color Touchscreen Programming, GFI Indication or Shutdown, Common Alarm Output, Hand/Off/Auto Selection, Loop Enable/Disable and Auto-Cycle Feature.						
	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) 240Vac Three Phase Three-Wire Delta				
		2	277 Vac (Includes Single-Pole Circuit Breakers) 480Y/277 Vac Three-Phase Four-Wire				
			Code	Circuit Breaker Rating Selection			
			1	15 amp Thermal Magnetic circuit Breaker			
			2	20 amp Thermal Magnetic Circuit breaker			
			3	30 amp Thermal Magnetic Circuit Breaker			
				Code	Cabinet Heater		
				0	None		
				1	Thermostat Controlled Enclosure heater		
					Code	Ambient Sensing Controller	
					0	None (Remote Mounted).	
					1	1601-11030, Three-Digit, Single Display 1/16 DIN Controller with Temperature Alarms.	
					2	1603-11030, Three-Digit, Dual Display 1/16 DIN Controller with Temperature alarms.	
						Code	Pressurization Control System
						0	None
						1	Type Z for Class I Division II Hazardous Location
HTAS	12	2	3	1	2	1	Typical Model Number

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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 24000 Series Ambient Sensing Heat Trace Panel Order Table					
HTAS	cUL Listed Twenty-Four Loop Ambient Sensing Temperature/Monitor Heat Trace Panel. Floor-Mount Nema 4 Steel Enclosure 60"H x 60"W x 12"D. Includes: Optional Ambient Sensing Controller, Two-Pole Contactors, Current Transformer to Measure Operating Currents, Continuity Alarms, Color Touchscreen Programming, GFI Indication or Shutdown, Common Alarm Output, Hand/Off/Auto Selection, Loop Enable/Disable and Auto-Cycle Feature.					
	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) 240Vac Three Phase Three-Wire Delta			
		2	277 Vac (Includes Single-Pole Circuit Breakers) 480Y/277 Vac Three-Phase Four-Wire			
			Code	Circuit Breaker Rating Selection		
			1	15 amp Thermal Magnetic Circuit Breaker		
			2	20 amp Thermal Magnetic Circuit breaker		
			3	30 amp Thermal Magnetic Circuit Breaker		
			Code	Cabinet Heater		
			0	None		
			1	Thermostat Controlled Enclosure heater		
			Code	Ambient Sensing Controller		
			0	None (Remote Mounted).		
			1	1601-11030, Three-Digit, Single Display 1/16 DIN Controller with Temperature Alarms.		
			2	1603-11030, Three-Digit, Dual Display 1/16 DIN Controller with Temperature alarms.		
			Code	Pressurization Control System		
			0	None		
			1	Type Z for Class I Division II Hazardous Location		
HTAS	24	2	3	1	2	1
						Typical Model Number