

HTAS

PDS HTAS

Heat Tracing Ambient Sensing Control Panel

Series 8000/12000/24000

Features:

- 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
- Hand/Off/Auto Selection
- Network Communications

Applications:

- Process Temperature Maintenance
- Freeze Protection
- Roof/Gutter De-Icing
- Tank and Vessel Heat Tracing
- Snow Melting
- Floor Heating
- Steam Condensate Return Systems
- Fire Protection Systems



Chromalox[®]
PRECISION HEAT AND CONTROL



intelliTRACE™

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

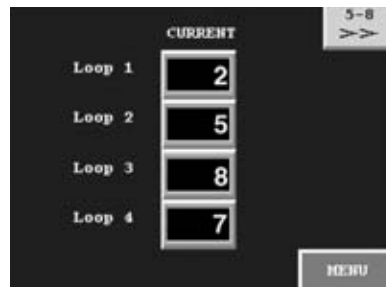
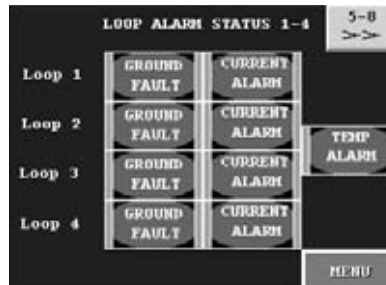
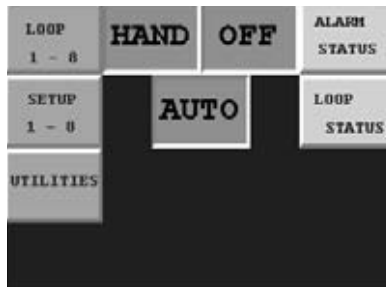
no keyboards or cryptic labels. The panel displays loop status, alarm conditions and graphics on currents.

With the built-in power distribution, the IntelliTRACE multi-loop provides **reduced material, installation, and maintenance costs.** The load management 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.

HTAS Series Ambient Sensing Heat Trace Panel

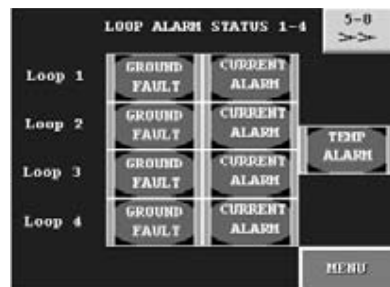


Advantages

Highest Value/ Lowest Installed Cost
 Easy Retrofit into Existing Systems.
 Eliminates Ammeter Panels.
 Eliminates Signal Light Kits.
 Eliminates Monitor Wire Alarm Panels.
 Monitors Continuity without the use of Monitor Wire.
 Reduced Material and Installation Costs.
 Monitor and Power Management / Distribution in One Package.
 Provides (Optional On/Off Temperature Control)
 for all types of Heat Trace.
 Built-in GFI eliminates the need for separate
 Ground Fault Breakers.

Lowest Learning Curve
 Simple Color Touchscreen.
 Operator Panel (no Keyboards/no cryptic labels).

Reduced Maintenance/Troubleshooting Time/Cost
 Temperature/Monitor and Power Management in one Package.
 Periodic Auto-Test Function Checks Continuity,
 Alarms & GFI Status on each loop.
 Continuous Monitoring of Heat Trace Circuits.



HTAS Series Ambient Sensing Heat Trace Panel

Ordering Information

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: Cabinet 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 Cabinet Heater

- 0** None
- 1** Thermostat Controlled Enclosure Heater

CODE Ambient Sensing Controller

- 0** None (Remote Mounted).
- 1** 1601-11030
- 2** 1603-11030

CODE Pressurization Control System

- 0** None
- 1** Type Z for Class I Division II Hazardous Location

HTAS 8 0 1 0 0 0 Typical Model Number

HTAS Series Ambient Sensing Heat Trace Panel

Ordering Information

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: Cabinet 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 Cabinet Heater

- 0** None
- 1** Thermostat Controlled Enclosure Heater

CODE Ambient Sensing Controller

- 0** None (Remote Mounted)
- 1** 1601-11030
- 2** 1603-11030

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 Series Ambient Sensing Heat Trace Panel

Ordering Information

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 (60"x 60"W x 12"D) for Indoor/Outdoor Applications. Options Include: Cabinet 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 Cabinet Heater

- 0 None
- 1 Thermostat Controlled Enclosure Heater

CODE Ambient Sensing Controller

- 0 None (Remote Mounted)
- 1 1601-11030
- 2 1603-11030

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

HTAS Series Ambient Sensing Heat Trace Panel

WARRANTY AND LIMITATION OF REMEDY AND LIABILITY

Chromalox warrants only that the Products and parts by Chromalox, when shipped and the work performed by Chromalox when performed, will meet all applicable specification and other specific product and work requirements (including those of performance), if any, and will be free from defects in material and workmanship under normal condition of use. All claims for defective or nonconforming (both hereinafter called defective) Products, parts or work under this warranty must be made in writing immediately upon discovery, and in any event, within one (1) year from delivery, provided, however all claims for defective Products and parts must be made in writing no later than eighteen (18) months after shipment by Chromalox. Defective and nonconforming items must be held for Chromalox's inspections and returned to the original f.o.b. point upon request. THE FOREGOING IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES WHATSOEVER EXPRESS, IMPLIED AND STATUTORY, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Notwithstanding the provisions of this WARRANTY AND LIMITATION Clause, it is specifically understood that Products and parts not manufactured and work not performed by Chromalox are warranted only to the extent and in the manner that the same are warranted to Chromalox by Chromalox's vendors, and then only to the extent that Chromalox is reasonably able to enforce such warranty, it being

understood Chromalox shall have no obligation to initiate litigation unless Buyer undertakes to pay all expenses therefor, including but limited to attorney's fees, and indemnifies Chromalox against any liability to Chromalox's vendors arising out of such litigation.

THE FOREGOING IS CHROMALOX'S ONLY OBLIGATION AND BUYERS EXCLUSIVE REMEDY FOR BREACH OF WARRANTY, AND IS BUYERS EXCLUSIVE REMEDY AGAINST CHROMALOX FOR ALL CLAIMS ARISING HERE UNDER OR RELATING HERETO WHETHER SUCH CLAIMS ARE BASED ON BREACH OF CONTRACT, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORIES, BUYERS FAILURE TO SUBMIT A CLAIM AS PROVIDED ABOVE SHALL SPECIFICALLY WAIVE ALL CLAIMS FOR DAMAGES OR OTHER RELIEF, INCLUDING BUT NOT LIMITED TO CLAIMS BASED ON LATENT DEFECTS. IN NO EVENT SHALL BUYER BE ENTITLED TO INCIDENTAL, OR CONSEQUENTIAL DAMAGES AND BUYER SHALL HOLD CHROMALOX HARMLESS THEREFROM ANY ACTION BY BUYER ARISING HERE UNDER OR RELATING HERETO, WHETHER BASED ON BREACH OF CONTRACT, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORIES, MUST BE COMMENCED WITHIN ONE (1) YEAR AFTER THE DATE OF SHIPMENT OR IT SHALL BE BARRED.

W2008M

PK306
PDS HTAS
June 2004