

## Single-Loop Heat Tracing Line Sensing Control Panel

- Solid State Relay Output  
Rated 30 Amps
- Universal Inputs
- NEMA 4X Panel
- Ground Fault Alarm/Trip
- Programmable  
High/Low Temperature  
Alarms
- Programmable Current  
Alarm
- Optional RS-485  
Communications
- 120, 208, 240, and 277  
VAC



**Chromalox**<sup>®</sup>  
PRECISION HEAT AND CONTROL



### Description

HTLS is a microprocessor based Temperature Control and Monitoring System for Heat Trace Control.

The HTLS provides On/Off or PID Control, Alarms for High/Low Temperature, Ground Fault Leakage, and Load Current.

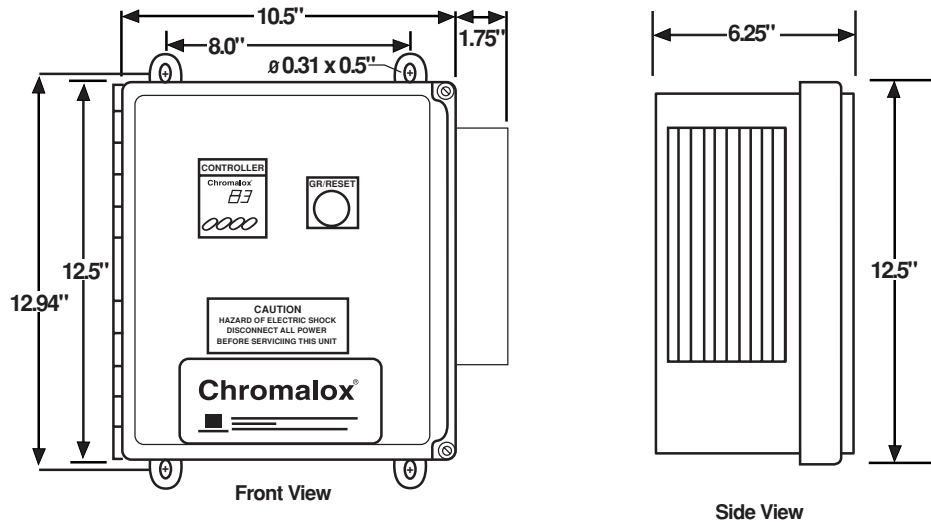
The HTLS Single Loop Panel includes the complete pre-wired Solid State relay mounted on a External Heat Sink, Current Transformers to measure current and monitor ground leakage, terminal blocks for field connections, and a NEMA 4x Fiberglass Enclosure.

### Technical Specifications

Supply Voltage:	120, 208, 240, and 277 Vac
Operating Environment:	30 - 104°F (-1 - 40°C) -30 - 104°F (-34 - 40°C) with cabinet heater
option	
Communications:	RS-485 Modbus
Input:	Thermocouple J, K, L, N, R, S, RTD, Current, Voltage
Output:	Field Programmable for C or F Solid State Relay rated @ 30 amps @ 40°C
Current Alarm (Low):	0 - 30 amps in 1 amp increments
Ground Fault Alarm Trip:	5 - 100mA
Temperature Alarms:	Process, Deviation, Band, High/Low, Latching/ Non-Latching (Manual/Automatic Reset) Programmable.
Control Modes:	Field Selectable On/Off, PID, SMART

# HTLS - Single-Loop Line Sensing Control Panel

## Mounting Dimensions



## Ordering Information

### Model

**HTLS IntelliTRACE 1000 Series Line Sensing Heat Trace Panel**

### Panel Configuration

cUL and UL Listed Single Loop Line Sensing Temperature/Monitor Heat Trace Panel. Factory pre-wired for quick installation. Includes: Solid State Relay, Current Transformer, High-Low Temperature Alarms, Low Current Alarm, On/Off or PID Control, Universal Sensor Inputs, Dual Digital Displays, Terminal Blocks for Field Connections, Loop Enable/Disable, NEMA 4X rated Enclosure (12.5"H x 10.5"W x 6"D) for Indoor/Outdoor Applications. Options Include: Ground Fault Monitoring or Shutdown and RS-485 Communications.

### Code Single Loop of Heat Trace Control

**1** 30 Amp Rating

### Code Voltage

**0** 120 Vac  
**1** 240 Vac  
**2** 277 Vac  
**3** 208 Vac

### Code Controller

**0** 1604-61230 Controller  
**1** 1604-61430 Controller with Communications

### Code Ground Fault Monitoring

**0** None  
**1** GFI 120Vac (Includes Shutdown Contactor & Illuminated Reset switch)  
**2** GFI 240Vac (Includes Shutdown Contactor & Illuminated Reset switch)  
**3** GFI 277Vac (Includes Shutdown Contactor & Illuminated Reset switch)  
**4** GFI 208Vac (Includes Shutdown Contactor & Illuminated Reset switch)

### Code Cabinet Heater

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

**HTLS - 1 0 0 0 0 Typical Model Number**