

intelliTRACE™ HTLS



Dual-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 MODBUS® Communications
- 120, 208, 240, and 277 VAC

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 Low Current Alarm.

The HTLS Dual Loop Panel includes the complete pre-wired Solid State relays 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 enclosure heater option
Communications:	RS-485 MODBUS®
Input:	Thermocouple J, K, L, N, R, S, RTD, Current, Voltage Field Programmable for C or F
Output:	Solid State Relays 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

Model

HTLS IntelliTRACE 2000 Series Line Sensing Heat Trace Panel
Panel Configuration

cUL and UL Listed Dual Loop Line Sensing Temperature/Monitor Heat Trace Panel. Factory Pre-wired for quick installation. Includes: Solid State Relays, 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 (16"H x 14"W x 8"D) for Indoor/Outdoor Applications. Options Include: Ground Fault Monitoring or Shutdown and RS-485 Communications.

CODE Dual Loop of Heat Trace Control

2 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 120 Vac (Includes Shutdown Contactor and Illuminated Reset switch)
2	GFI 240 Vac (Includes Shutdown Contactor and Illuminated Reset switch)
3	GFI 277 Vac (Includes Shutdown Contactor and Illuminated Reset switch)
4	GFI 208 Vac (Includes Shutdown Contactor and Illuminated Reset switch)

CODE Enclosure Heater

0	None
1	Thermostat Controlled Enclosure Heater

HTLS 2 0 0 0 0 Typical Model Number

DUAL LOOP CONTROLLERS