

HTLS

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**

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 Field Programmable for C or F
Output:	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

Model HTLS Single-Loop Series Heat Trace Panel OrderTable

HTLS UL Listed Single-Phase Temperature/Monitor Heat Trace Panel. NEMA 4X Fiberglass Enclosure 12.5"H x 10.5"W x 6"D. Includes complete prewired controller, solid state relay mounted on external heatsink, current transformer to measure operating current, temperature/current alarms. PID or On/Off Control, Digital Dual Displays, Terminal blocks for field connections, and optional GFI Indication or Shutdown.

Code Amps

1	30
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Code Voltage

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

Code Digital Indicating Temperature Controller

0	1604-61230 1/16 DIN Dual Four Digit Display, Alarm Outputs, and Current Input.
1	1604-61430 1/16 DIN Dual Four Digit Display, Alarm Outputs, Current Input, and RS-485 Communications.

Code GFI Options

0	None
1	GFI 120Vac (Includes GFI Module, Shutdown Contactor, and Illuminated Reset Switch)
2	GFI 208Vac (Includes GFI Module, Shutdown Contactor, and Illuminated Reset Switch)
3	GFI 240Vac (Includes GFI Module, Shutdown Contactor, and Illuminated Reset Switch)
4	GFI 277Vac (Includes GFI Module, Shutdown Contactor, and Illuminated Reset Switch)

Code Cabinet Heater

0	None
1	Thermostat Controlled Enclosure Heater

HTLS - 1 1 1 0 0 Typical Model Number