



Announcing the NEW GPT 130, GPT 230, and FPT 130 which will replace ETI's SST-2 and SST-3 series Heat-Trace controls.

The SST-2 and SST-3 Heat-Trace controls are being replaced by ETI's Tracon FPT 130, GPT 130, and GPT 230 Heat-Trace controls which launched in July 2017.

ETI, a leading sensor and control manufacturer, has reached out to industry professionals to identify and address their current and future needs. That was the basis for the new GPT (General Purpose Thermostat) /FPT (Fixed Point Thermostat) series of heat-trace controls, making them the ideal solution for almost any application.

The GPT 130 and GPT 230 offer precise control of temperature using either RTD or thermistor sensors. The temperature set points can be digitally set to within a tenth of a degree. Advanced load monitoring provides accurate digital readouts of load current and ground current. The safe range of operating current and the maximum allowable ground current can be set. Alarms provide both visual display and communication output of any adverse condition. These units feature a clear and bright OLED display screen, self-testing ground-fault protection and adjustable temperature set points from -99° F to 999° F (-73.3 °C to 537.7 °C).

The GPT 230 is uniquely designed for individually controlled dual-line heat-trace, allowing for the control of two separate heating zones, or double the load capacity, from one unit.

The FPT 130 is designed specifically for freeze-protection applications, it has four temperature set points available and includes ground-fault and load protection with alarms. The FPT 130 does not allow for settings adjustments other than temperature selection via internal DIP switch.

FPT 130 SINGLE-POINT FREEZE PROTECTION HEAT-TRACE CONTROL

The TRACON FPT 130 Heat-Trace Control is a single point microprocessor-based heat-trace control thermostat. It is designed for applications which require Ground-Fault Equipment Protection (GFEP). Ideal uses include freeze protection, and other temperature monitoring and control applications. The FPT 130 and its heater load can be powered with an available line voltage source of 100 – 277 V ac. The controller and heater load share the same supply connection. The internal load contactor is rated to switch up to 30 A resistive. The Integral GFEP provides safety in compliance with national and local electrical codes. The unit's housing is a NEMA 4X IP66 weather-resistant enclosure for enhanced durability.

GPT 130 SINGLE-POINT GENERAL PURPOSE HEAT-TRACE CONTROL

The TRACON GPT 130 Heat-Trace Control is a single point microprocessor-based heat-trace control thermostat. It is designed for applications which require Ground-Fault Equipment Protection (GFEP). Ideal uses include freeze protection, hot water temperature maintenance, grease line trace, tank heating, and other temperature monitoring and control applications. The GPT 130 and its heater load can operate with an available line voltage source of 100 – 277 V ac. The controller and heater load share the same supply connection. The internal load contactor is rated to switch up to 30 A resistive. The Integral GFEP provides safety in compliance with national and local electrical codes. The unit's housing is a NEMA 4X IP66 weather-resistant enclosure for enhanced durability.

GPT 230 DUAL-POINT GENERAL PURPOSE HEAT-TRACE CONTROL

The TRACON GPT 230 Dual Channel Heat-Trace Control is a dual-point microprocessor-based heat-trace control thermostat. It is designed for applications which require two independent heater-control Channels with Ground-Fault Equipment Protection (GFEP). Ideal uses include freeze protection, hot water temperature maintenance, grease line trace, tank heating, and other temperature monitoring and control applications. The GPT 230 and its heater load can be powered with an available line voltage source of 100 – 277 V ac. The controller and heater load are powered from the same supply connection. The two internal load contactors are rated to switch up to 30 A resistive. The adjustable GFEP function provides additional safety and compliance with national and local electrical codes. The unit's housing is a NEMA 4X IP66 weather-resistant enclosure for enhanced durability.

SST-2 FREEZE PROTECTION THERMOSTAT FEATURES & BENEFITS

- Automatic freeze protection
- 40°F (4.4°C) set point
- Automatic supply voltage selection
- Two-pole contactor switches up to 30 AMP heater loads
- Alarm relay with isolated contact
- Integral 30 mA GFEP

SST-3 ADJUSTABLE SET POINT THERMOSTAT FEATURES & BENEFITS

- Adjustable set point, 34°F – 150°F (1°C – 65°C)
- Automatic supply voltage selection, 100 – 277 VAC
- Two-pole contactor switches up to 30 AMP heater loads
- Alarm relay with isolated contact
- Integral 30 mA GFEP

FPT 130 SINGLE-POINT FREEZE PROTECTION HEAT-TRACE CONTROL FEATURES & BENEFITS

- Adjustable temperature set point of 30 °F, 38 °F, 45 °F, or 50 °F (–1.1 °C, 3.3 °C, 7.2 °C, or 10 °C) for various freeze protection applications
- Can use an NEC Class 2 temperature sensor with up to 2,000 ft. cable for enhanced installation options
- Thermistor temperature sensor with 20 ft. cable included for applications of –40 °F to 230 °F (–40 °C to 110 °C)
- Ground-Fault Equipment Protection with manual and automatic test function
- Alarms for excess ground fault current, low load current, and temperature
- Alarms indicated with panel LED lights and relay contact for remote signaling
- A Fault Mode setting which can be set to energize or de-energize the heaters during a sensor failure
- Fire Protection Mode maintains heater operation for use in critical fire protection systems
- Durable weather-resistant NEMA 4X IP66 enclosure permits indoor or outdoor installation

GPT 130 SINGLE-POINT GENERAL PURPOSE HEAT-TRACE CONTROL FEATURES & BENEFITS

- Adjustable temperature setpoint allows precise control of a wide range of processes
- Can use an NEC Class 2 temperature sensor with up to 2,000 ft. cable for enhanced installation options
- Thermistor temperature sensor with 20 ft. cable included for applications of –40 °F to 230 °F (–40 °C to 110 °C)
- RTD input allows higher accuracy and extreme-temperature applications
- The unit can accommodate RTD sensors with 2-, 3-, or 4-wire configuration
- Temperature display for accurate adjusting and monitoring
- Load current display for accurate adjusting and monitoring
- Ground fault current display for accurate monitoring, protection, and alarm
- Adjustable alarm thresholds for excess ground fault current, load current, and temperature
- Alarms indicated with panel display and relay contact for remote signaling
- A Fault Mode setting which can be set to energize or de-energize the heaters during a sensor failure
- Fire Protection Mode maintains heater operation for use in critical fire protection systems
- Durable weather-resistant NEMA 4X IP66 enclosure permits indoor or outdoor installation

GPT 230 DUAL-POINT GENERAL PURPOSE HEAT-TRACE CONTROL FEATURES & BENEFITS

- Dual channel heat-trace capabilities allows for complete control and monitoring of two separate channels from one unit
- Adjustable temperature setpoint allows precise control of a wide range of processes
- Can use NEC Class 2 temperature sensors with up to 2,000 ft. cable for enhanced installation options
- Two Thermistor temperature sensors with 20 ft. cables included for applications of –40 °F to 230 °F (–40 °C to 110 °C)
- RTD input allows higher accuracy and extreme-temperature applications
- The unit can accommodate RTD sensors with 2-, 3-, or 4-wire configuration
- Temperature display for accurate adjusting and monitoring
- Load current display for accurate adjusting and monitoring
- Ground fault current display for accurate monitoring, protection, and alarm
- Adjustable alarm thresholds for excess ground fault current, load current, and temperature
- Alarms indicated with panel display and relay contact for remote signaling
- A Fault Mode setting which can be set to energize or de-energize the heaters during a sensor failure
- Fire Protection Mode maintains heater operation for use in critical fire protection systems
- Durable weather-resistant NEMA 4X IP66 enclosure permits indoor or outdoor installation

SST-2

Temperature Range

40° F (4.4° C)

SST-3

34 to 150 °F (1 to 65 °C)

FPT 130

30, 38, 45, or 50 °F (-1.1, 3.3, 7.2, or 10 °C)

GPT 130

-99.9 to 999 °F (-73.3 to 537.7 °C)

Indicators

Lights

Supply (Green)
HEAT (Yellow)
GFEP (RED)

Lights

Supply (Green)
HEAT (Yellow)
ALARM (RED)

Lights

Power (Green)
Heater (Yellow)
Low Temperature (Blue)
Summary alarm (Red)

Display

2.7" OLED graphic 128x64

Lights

Power (Green)
Heater (Yellow)
Low Temperature (Blue)
Summary alarm (Red)

User Interfaces

Pushbutton

GFEP TEST/RESET

Pushbuttons

UP
DOWN
GFEP TEST/RESET

Pushbutton

TEST/RESET BACK

Pushbuttons

UP
DOWN
ENTER
TEST/RESET BACK

Alarms

Indicator lights

Power
Bad Thermistor
Call For Heat
Ground Fault Condition
Failed GFEP Test
GFEP Test In Progress

Summary alarm

No Power
Ground Fault Condition
GFEP Function Test Failure
Bad or Missing Thermistor

Indicator lights

Power
Bad Thermistor
Call For Heat
Ground Fault Condition
Failed GFEP Test
GFEP Test In Progress

Summary alarm

No Power
Low Temperature Limit
Ground Fault Condition
GFEP Function Test Failure
Bad or Missing Thermistor

Indicator lights

Power
Calibration error
Call for heat
Low current alarm
Stuck relay
Low temperature
Sensor fault
Ground fault
GFEP circuit failure

Summary alarm

Low load current
High ground fault current
Sensor fault
Internal fault

Alarm conditions are displayed on the display screen

Indicator lights

Power
Call For Heat
Low Temperature
Summary Alarm

Parameter Settings

GFEP Setpoint 30mA
Mode A: Verifies GFEP function before contactors operate
Mode B: Verifies GFEP function every 24 hours

GFEP Setpoint 30mA
Mode A: Verifies GFEP function before contactors operate
Mode B: Verifies GFEP function every 24 hours
Fire Protection Mode

Temperature setpoint
Low-temperature threshold
Low-current alarm threshold
Low-current alarm delay
Ground fault limit current
Self-test interval

Temperature Unit
Temperature setpoint heat ON
Temperature setpoint heat OFF
Low-temperature alarm threshold
Low-temperature alarm delay
High-temperature alarm threshold
High-temperature alarm delay
Low-current alarm threshold
Low-current alarm delay
High-current alarm threshold
High-current alarm delay
Ground fault limit current
Self-Test Interval
Temperature Unit

Temp Sensors

Thermistor

Thermistor

Thermistor

2-, 3-, 4-wire RTD Sensor

Load Rating

277 V ac Resistive, 30 A

277 V ac Resistive, 30 A

100 – 277 V ac Resistive, 30 A

100 – 277 V ac Resistive, 30 A



ENVIRONMENTAL
T E C H N O L O G Y

We manage heat®