

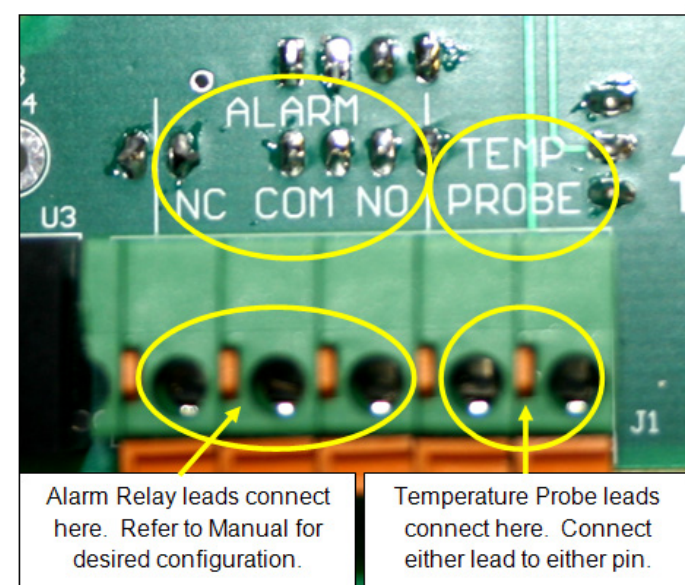
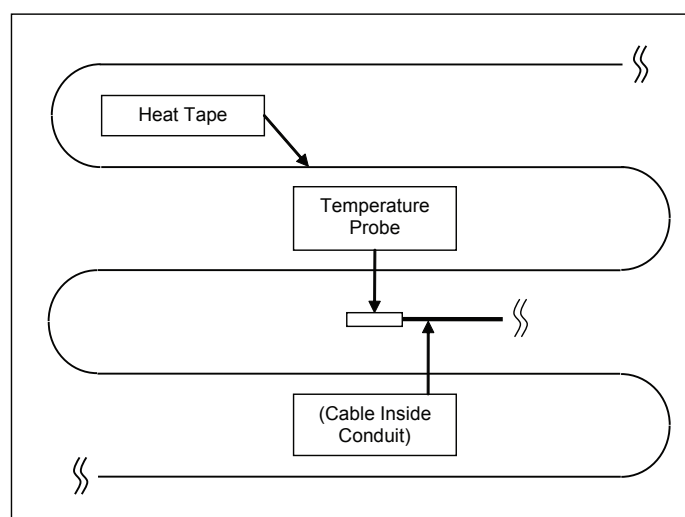
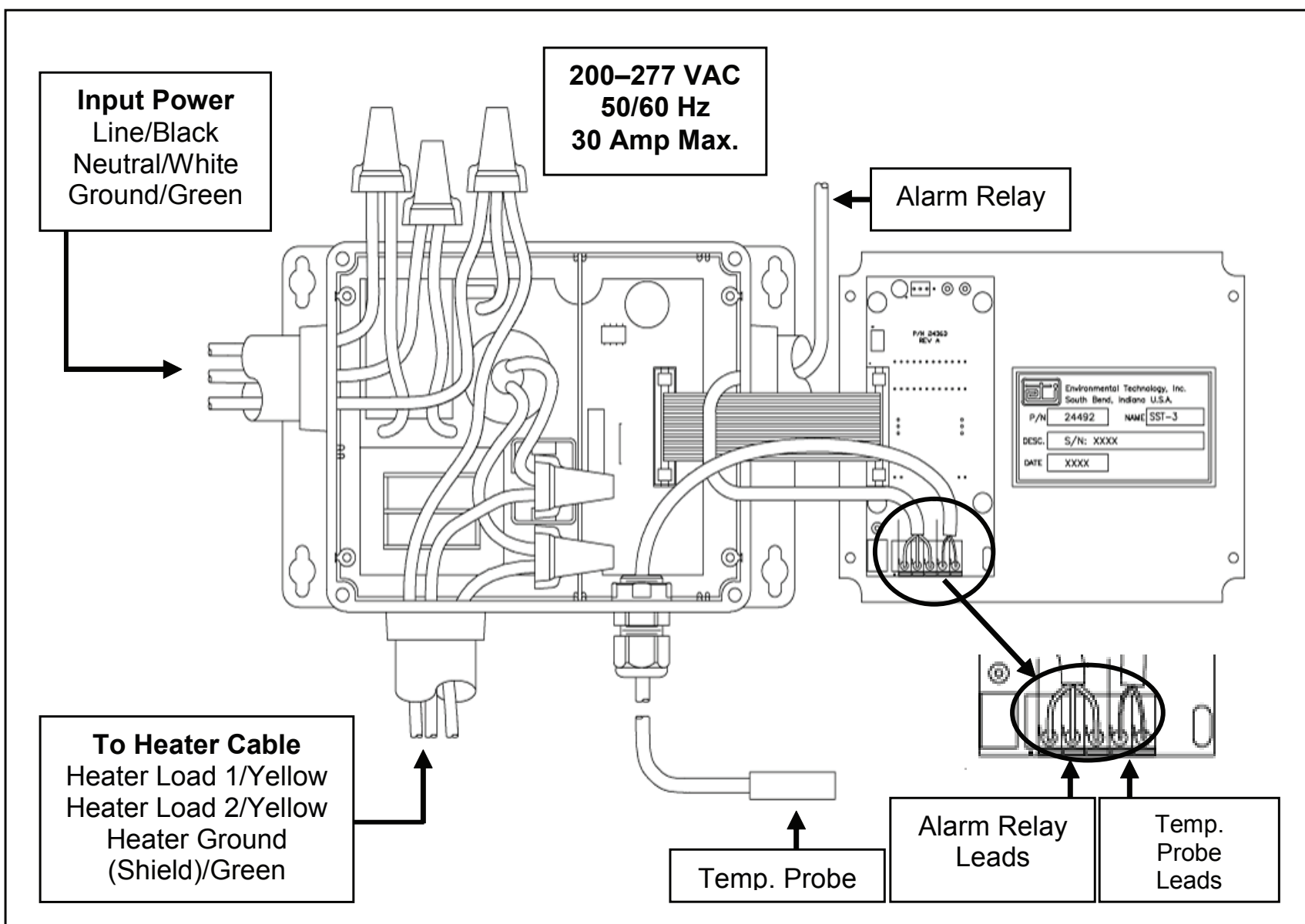
Packing List

Qty	ETI P/N	Description
1	24492	TRACON Model SST-3 Adjustable Electronic Thermostat with GFEP
1	23731	Accessory Kit
1	24497	SST-3 Installation Sheet (this document)
1	24494	SST-3 Instruction Manual
1	19272	Temperature Probe

Safety & Warnings

- Any installation involving electric heater wiring must be grounded to earth to protect against shock and fire hazard. Suitable ground fault detection and interrupting systems must be in use at all times to reduce shock and fire hazard and to protect personnel and equipment.
- Electric wiring to heating elements must be installed in accordance with National Electrical Code (NEC) requirements, as well as other local and applicable electrical codes and third party standards.
- Only UL listed, 4X, raintight conduit hubs and cable glands are to be used. The hub is to be connected to the conduit of a rigid conduit system before the hub is connected to the enclosure.
- Ensure a sealed, watertight installation. Waterproof all cable runs, seal all box joints, and properly terminate wiring.
- Shut off system circuit breaker prior to beginning installation.

NOTE: The TRACON Model SST-3 Adjustable Electronic Thermostat with GFEP is permanently connected equipment and does not have an internal disconnect device. A readily accessible disconnect device, short circuit, and current protection shall be provided and are not supplied by Environmental Technology, Inc. When power is applied, the system will start.



Prior to Installation

- Install this device **only** if you are a qualified electrician trained to perform such work.
- Before beginning installation, lay out the system components, the heat tape, and the temperature probe, in their approximate locations to visualize the system and evaluate exact component and junction box placement, as well as required cable and conduit lengths.
- It is recommended to read these installation instructions prior to beginning installation.

Installation

- Install the control box. Locate and install the control box on a wall using the box itself as a template to determine the mounting hole footprint. Install the box to a solid, stable surface capable of supporting four times the weight of the box, or about 20 pounds. Use all four mounting holes. Install the control box to the wall using heavy-duty 5/16-inch mounting hardware long enough to fasten the box securely. Do not fully tighten mounting hardware at this time. Leave the mounting hardware loose enough to work the conduit into place. Hardware will be fully tightened following installation of the conduit.
- Once the control box is installed but with the mounting hardware not yet fully tightened, with the circuit breaker off, install the incoming power cable. Refer to the schematic on the left. Feed the power cable through the hole in the enclosure as shown, then connect the leads as shown in the schematic and in the tables on the left. Size the cable for a 30 Amp maximum load. Run the cable through conduit and connect the leads to the control box wiring. The line is black, neutral is white, and ground is green. The SST-3 has no power switch so remember that power is running to the system as soon as power is applied.
- With the circuit breaker off, install the heat tape (heater cables). Install the heat tape in accordance with National Electrical Code (NEC) and heat tape manufacturer's specifications and requirements, as well as other local and applicable building and electrical codes and standards. Refer to the schematic diagram and tables on the left. If installing an extension onto the heater cables, a junction box is required in accordance with applicable codes. Route the heat tape through conduit as directed by the heat tape manufacturer, then connect the heat tape leads to the two yellow wires inside the control box. Do not touch the yellow leads or allow them to touch each other or anything else inside the enclosure. The Heater Load 1 and Heater Load 2 yellow wires are interchangeable; it does not matter which heat tape lead connects with which of the yellow wires.
- With the circuit breaker off, install the temperature probe and alarm relay. As shown in the tables on the left, the alarm relay circuitry and indicator are provided by the customer. Connect either temperature probe lead to either PC board terminal as shown in the photograph.
- Before connecting the alarm relays leads, read the information in this paragraph. An Alarm or power off condition can be communicated in either of two ways and it is important to make the proper alarm relay connections to achieve the desired result. The middle terminal labeled COM (Common) will always be used. Connect one alarm relay lead to the COM terminal. Now, if, in your system, an external alarm light or indicator will come on to communicate an alarm or power off condition, then connect the other alarm relay lead to the NC or Normally Closed terminal. But, if, in your system, an external alarm light or indicator will go off to signal an alarm or power off condition, then connect the other alarm relay lead to the NO or Normally Open terminal. Remember that when power is applied to the unit, the Common and Normally Open contacts close to form a complete circuit.
- With cabling routed through conduit, install the conduit runs to the control box. Once conduit is secure, fully tighten the control box mounting hardware and re-assemble control box panels and cover in their original location.
- At this time, turn the system circuit breaker back on. The green SUPPLY LED light should be on and will always be on while power is running to the control.
- As directed on page 13 of the SST-3 Instruction Manual, perform the Post-Installation Test as described. It is important to perform this test prior to operating the system.
- Once system components have been properly installed and tested, the circuit breaker has been turned on, and power is running to the control box, the system is operational.
- Set the thermostat set point, display mode, and operating mode as directed in the Manual.

Questions & Comments

For technical help, questions or comments concerning this product or any Environmental Technology, Inc. product contact:

Customer Service 8:00 a.m. - 5:00 p.m. EST.

Voice: (800) 234-4239 USA & Canada or
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Fax: (888) 234-4238 USA & Canada or
(574) 233-2152 elsewhere

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