



## ***BTU-4 Burk Temperature Unit***

---

### ***Features***

The Burk Temperature Unit supports up to 4 independent temperature sensors, and also provides a low voltage output which tracks linearly with the AC line voltage.

Each temperature output supplies 10mV per degree Fahrenheit or Centigrade, based on the type of sensor installed.

The BTU-4 is supplied with an AC power adapter, one BTO Fahrenheit temperature sensor, and a 6-terminal plug for interconnection to monitoring equipment.

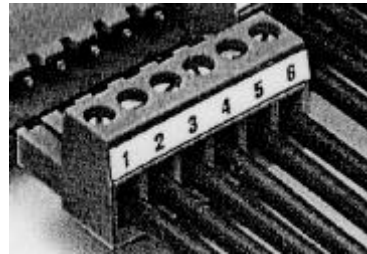
---

### ***Installation***

Temperature sensors (BTO, BTI, BTS) are supplied with 1/4" Phone Plugs for easy connection to the BTU-4. Each sensor input is numbered for reference. The 4 inputs are independent, and can be used in any order.

Connect the output of the BTU-4 to your remote control equipment using the 6-terminal plug provided. Connections are labeled on the end panel for convenience.

- Output Pin #1 - Sample from Temperature Sensor #1.
- Output Pin #2 - Sample from Temperature Sensor #2.
- Output Pin #3 - Sample from Temperature Sensor #3.
- Output Pin #4 - Sample from Temperature Sensor #4.
- Output Pin #5 - Sample from AC Line Monitor.
- Output Pin #6 - Ground connection for all samples.



The BTU-4 is powered by an external AC Power Adapter. The supplied adapter accepts 120VAC input, and provides 12VAC to the power input jack of the BTU-4.

---

### ***BTO - Outdoor Sensor***

Burk Temperature Sensor - Outdoor Model.

This model is supplied with the BTU-4 basic system, and is intended for general purpose monitoring of equipment or ambient temperatures.

The BTO is attached to 15' of shielded cable with a quick-connect stereo phone type connector at the end.

The sensor has a mounting ring and a gasket to accommodate #6 or #8 hardware, and the sensing elements are sealed for added protection from dirt and moisture.

---

## ***BTI - Indoor Sensor***

Burk Temperature Sensor - Indoor Model.

This device is tailored for monitoring ambient temperatures within a room, while maintaining a polished appearance.

The BTI is housed in a 2-5/8" x 5" enclosure with air vents to facilitate sensing of the environment.

15' of shielded cable is provided with a quick-connect stereo phone type connector at one end. The BTI has a large, easy to connect barrier strip which accommodates flat or Phillips type screwdrivers.

---

## ***BTS - Stack Sensor***

Burk Temperature Sensor - Stack Model.

This device is tailored for sensing heat within the air ducting of your equipment.

The BTS attached to 15' of shielded cable with a quick-connect stereo phone type connector at the end.

The sensor is mounted in the tip of a 3/8" diameter chrome tube. The supplied mounting hardware consists of a base and a compression fitting to allow the sensor to be secured at variable depths. This variable mounting allows the installer to locate the sensor up to 9 1/2" from the equipment wall, and well within the air flow being monitored.

---

## **Warranty**

Burk Technology, Inc. warrants the BTU-4 to be free of defects in materials and workmanship for a period of 24 months from the date of purchase. Equipment will be repaired or replaced at the option of Burk Technology and returned freight prepaid to the customer. Damage due to abuse or improper operation or installation of the equipment or caused by fire or flood or harsh environment is not to be covered by this warranty. Damage in shipping is not the responsibility of Burk Technology. A return authorization must be obtained before returning any equipment. Materials returned under this warranty must be shipped freight prepaid and insured in the original shipping carton or suitable substitute to Burk Technology, 7 Beaver Brook Road, Littleton, MA 01460. Repairs not covered under this warranty will be made at prevailing shop rates established by Burk Technology, Inc..

THE WARRANTY SET FORTH ABOVE IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. BURK TECHNOLOGY, INC. SHALL NOT BE LIABLE TO ANY PARTY FOR ANY INCIDENTAL, SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES ARISING FROM THE USE OF THIS EQUIPMENT.