



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

*For use with the BTU-4 Burk Temperature Unit*

### ***Features***

The BTS Stack Temperature Sensor is the ideal solution for monitoring internal airflow temperatures:

- The active end of the BTS is completely sealed from dirt and moisture.
- Adjustable mount allows locating sensor well within airflow.
- Attached to 15' of flexible cable with a quick-connect stereo phone type connector.
- 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 airflow being monitored.

### ***Installation***

1. Select a location on the equipment ducting which is flat and able to support the weight of the BTS and its mounting hardware. Make certain that there are no obstructions on the inside of the ducting or cavity before deciding on a location.
2. Using the mounting base itself as a template, mark the location of all mounting holes.
3. Drill or cut a center hole to allow the BTS sensor to fit freely. A convenient size for this center hole is 3/4 inch diameter.
4. Thread the brass 3/8" pipe fitting onto the base and secure the mounting base to the surface using the sheet metal screws supplied.
5. Insert the BTS into the brass mount and secure it with the locking nut. Be certain to not tighten excessively, as this may deform the compression sleeve. Check for a secure fit, still allowing for adjustment of the BTS installed depth.
6. Disconnect the AC Adapter from the BTU-4.
7. Plug the connector of the BTS into one of the 4 available input jacks on the BTU-4.
8. If not already wired, connect the Output Sample pin associated with the input jack chosen in step 7 from the BTU-4 to the remote control equipment.
9. Supply AC power to the BTU-4 using its AC Adapter.

### ***Setup for ARC-16***

1. Select the desired channel using the **CHANNEL** keys.
2. Press **MODE** until the display shows **DEC. POINT**.
3. Press **RAISE** to move the decimal point until the displayed value shows the decimal point located one digit from the right, as in [ **wxy.z** ].
4. Press **MODE** until **SELECT TYPE** is displayed, and confirm that **MV** is the scale selected. If you are not currently in **MV**, press **RAISE** until it displays **MV**.
5. Press **CLEAR**. Setup is concluded.