



# SPACE AIR TEMPERATURE

- New high ventilation design
- Convenient 2 part construction
- Housing matches existing installations

**High Ventilation Design** has large ventilation slots allowing maximum air to flow past the sensor for fast response and accurate readings.

We mount the sensing element and a "Phoenix" terminal strip securely on a circuit board.

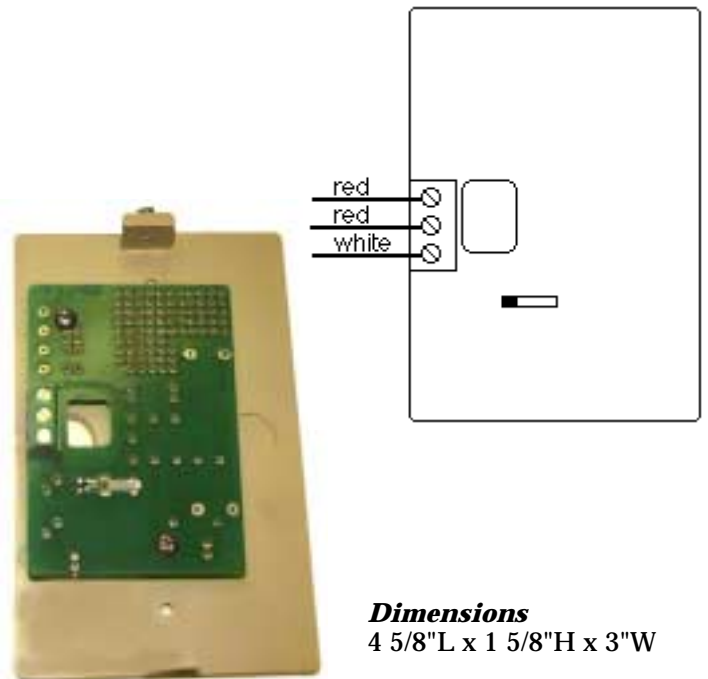
We have named this design our versatile model since the large housing allows a variety of additional electronics such as temperature transmitters and humidity transmitters to be added.

**Platinum RTD's** are the most stable temperature sensors between -50 and 400C. Their stability, wide temperature range and almost linear output make them the choice in demanding applications. Our standard RTD uses a 100 ohm thin film element to DIN 43 760 (IEC 751) with a tolerance of 0.3 deg C. We also supply 1000 ohm and wire wound elements.

**NTC Thermistors** are the most sensitive sensors from -50C to +150C with temperature coefficients as high as several percent per degree C. This means that lead resistance has minimal effect on system accuracy. Our standard thermistor has a 10K resistance at 25C and a tolerance of +/- 0.2C. Other calibrations and accuracies are available.

**4-20mA Transmitters** using 100 ohm RTD's are available in the same housing when RTD's have been specified but the panel will not accept RTD's directly. For this choice change the TS designation in the order number to TT and specify the range.

**Operating Temperature** The plastic housing of these sensors limits their maximum operating temperature to 80C.



**Dimensions**  
4 5/8"L x 1 5/8"H x 3"W

## ORDERING DATA

**TS - S - V - (                      ) - (                      )**

sensor type	sensor value
R = RTD	100 = 100 ohms
T = Thermistor	10K = 10k ohms

e.g. TS-S-V-R-100 Space sensor in versatile enclosure with 100 ohm RTD



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