## SPACE AIR TEMPERATURE

- New high ventilation design
- **Convenient 2 part construction**
- Fire retardant ABS housing

**Design** has New High Ventilation ventilation slots 50% larger than some competitors allowing more air to flow past the sensor providing faster response and more accurate readings.

Our new two piece construction is more convenient to install than the the older three piece construction still used by some suppliers. Our ABS plastic molding is fire retardant.

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

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 Our standard thermistor has a 10K resistance at 25C and a tolerance of +/- 0.2C. Other calibrations and accuracies are available.

Platinum RTD's are the most stable temperature sensors between -50 and 400C. They show almost no calibration drift with time. 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.

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



**Time override** is available with our optional tactile feedback push button which is mounted under the decorator plate. A simple closure can alert the DDC

to begin time override operation for the particular zone. More specified complex customer circuitry can be supplied on request. Specify option TOS.

Local Setpoint override is available with our integrated potentiometer. slide This provides a variable 1 to 11K resistance signal at built-in A DDC panel could terminals. change the setpoint by +/-3 degrees dependent on the resistance value. Specify option



**Operating Temperature** The plastic housing of these sensors

limits their maximum operating temperature to 80C.

ORDERING DATA

TS - S - E -

) - (

sensor type R = RTD

T = Thermistor

sensor value 100 = 100 ohms

Time Over-ride TOS if required Local Setpoint Adjust SS if required

10K = 10k ohms e.g. TS-E-T-10K-TOS-SS Space sensor in executive enclosure with 10K thermistor, push button time over-ride and slide

25 Shorncliffe Rd, Toronto, ON, M9B 3S4 Tel 1(800)ENERCORP or (416)231-5335 Fax 1(877)ENERCORP or (416)231-7662 Visit our on-line catalogue at www.enercorp.com our e-mail address is info@enercorp.com

## 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.

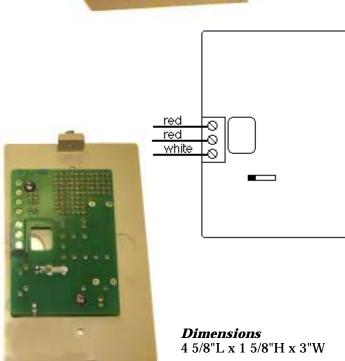
**Platinum RTD's** are the most stable temperature sensors between -50 and 400C. Their stability, wide temperature range and almost linear output make them the choice in demanding applications. Our standard RTD uses a 100 ohm thin film element to DIN 43 760 (IEC 751) with a tolerance of 0.3 deg C. We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





#### ORDERING DATA

TS - S - V - ( )- ( )

 $\begin{array}{ll} sensor \ type & sensor \ value \\ R = RTD & 100 = 100 \ ohms \\ T = Thermistor & 10K = 10k \ ohms \\ \end{array}$ 

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

# ENERCORP instruments Itd

25 Shorncliffe Rd, Toronto, ON, M9B 3S4 Tel 1(800)ENERCORP or (416)231-5335 Fax 1(877)ENERCORP or (416)231-7662 Visit our on-line catalogue at www.enercorp.com our e-mail address is info@enercorp.com