TEMPERATURE SENSORS

A reliable and efficient source of information

Multitel temperature probes are designed for various commercial and industrial applications such as ambient room temperature/humidity, diesel room, HVAC (heating/ventilating/air conditioning) system monitoring, industrial temperature controls. They are ideal for remote installation as they are immuned to voltage drop and noise over long distance cables due to their high impedance output.

APPLICATIONS:

Ambient temperature and humidity M-4109 (Terminal inside)	Ambient temperature M-4107 (Cable non included) M-4107-50 or M-4107-100 (15m/50' or 33m/100' cable) M-4113 (50' cable)	Surface temperature M-4111 or M-4111-50 or M-4111-100 (câble de 15M/50' or 33M/100')	Outside Temperature M-4115 (33m/100' cable)	Battery Temperature M-4103 – 3m/10' cable M-4104 – 8m/25' cable

INSTALLATION:

The temperature sensors are easy to install:

1. Choose a location related to your application (stay away from unwanted heat sources which impact the measurement).
2. Use a stranded wire size #24 to #20 over a maximum distance of 150m/500' and connect to the specified analog channel.
   a. If pre-wired: connect the red wire to the positive pin and the black wire to the negative pin of a same analog input.
   b. If terminal: connect the "+" to the positive pin, the "-" pin to the negative pin of a same analog input.
3. Perform the configuration of the analog input channel (refer to the user manual of your monitoring device).
4. Configure alarm thresholds as needed for the application.

Multitel offers its expertise and technical assistance to support qualified staff during installation, configuration, setup and testing of our temperature sensors. Do not hesitate to contact Multitel for more information. (Hourly fee may be applicable).

SPECIFICATIONS:

Calibrated operating range: -45 to 50ºC	**Specified operating range**: -25°C to 105°C
Linearity: 0.15°C max (0°C to +70°C)	**Response time**: 5-10 min. (based on choosen model)

Multitel