

**MAXI-TRONIC**  
3530 IRWIN SIMPSON ROAD  
MASON, OHIO 45896  
MAXI-TRONIC **HB PTC** TYPE SERIES TEMPERATURE MONITORS  
**MOST ASKED QUESTIONS**

- Q. What type of sensor is used within the HB Sensor?  
A. PTC - Positive Temperature Coefficient thermistor.
- Q. How far from the electronic housing can I run wire to the HB temperature sensors?  
A. Up to 5,000 feet.
- Q. What type of wire must I use with the sensors?  
A. Any copper wire 14 to 24 gauge. Two conductors per sensor. Sensors can be wired in series if 14 to 18 gauge is used.
- Q. What happens if a sensor wire gets pulled loose?  
A. The station indicator will signal as if the temperature sensor is in alarm status.
- Q. Can the temperature sensor be damaged by not having the wires connected properly?  
A. No. The sensors have no polarity. As long as either wire is run to the sensor station and the other to the station sensor common, there will be no damage.
- Q. What voltage does the sensor have?  
A. 12 volts DC/4 to 12 milliamps current.
- Q. Are the sensors approved for hazardous locations?  
A. Yes, they are UL®-CUL approved for Class II Division 2 Group F & G.
- Q. How do I connect my field wiring to the temperature sensor?  
A. Sensor inserts have a 6'-2 conductor pigtail for making all wiring connections.
- Q. If necessary, can the temperature sensor be replaced without having to replace the complete housing?  
A. Yes. The insert can be easily replaced by user if ever needed.
- Q. Can different length sensors be obtained?  
A. Yes. Maxi-Tronic offers different length sensor elements to accommodate varying types of monitoring.
- Q. Do electronic circuits work in fail-safe operation?  
A. Yes. If the PC Board fails, Sensor fails, wiring is damaged, etc., the electronics will signal as if that station has a high temperature alarm.
- Q. Can I purchase more than one system in a single housing?  
A. Yes. You can order any number of systems in one housing.
- Q. Can I purchase the HB temperature system and have it incorporated into the RB mis-alignment and MT motion sensor system?  
A. Yes. You can have any combination of units in one system housing.

800.659.8250  
www.maxitronic.com