



Part Number: AD-2004-THERM



Thermistor (requires external Probe)

Features

- § 10K thermistor transmitter
- § Transmits unique ID and thermistor data
- § Up to 600 foot transmission range
- § Transmission rates from 10 to 17 seconds random
- § Up to 100 transmitters can coexist
- § Battery lasts from 6 to 10 years
- § Very small (1.3" X 2.1" X .6") ABS Enclosure
- § Complies with part 15 of the FCC rules
- § Water resistant coating on PCB
- § CRC-16 checked Status, ID, and thermistor data
- § Internal Loop antenna

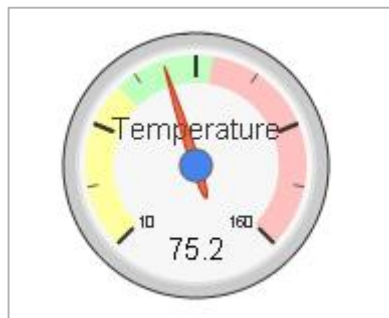


No wiring required!

The Thermistor wireless transmitter is a battery operated digital counter sensor with a microprocessor controlled 418 MHz. FCC certified radio transmitter. The Thermistor has an on board time of day clock that allows it to spend most of the time in a low power quiescent state. At predetermined time intervals the clock will wake up the onboard microprocessor. Unique serial number information is read 1-wire digital device, counter data is read from a 24-bit internal counter register. This information is combined with a CRC-16 error check and transmitted in a very short data packet that results in a transmitter on time of only 15 milliseconds. This architecture allows the Thermistor to consume very little energy and a battery life of 5 to 10 year results.

AVIDdashboard Integration

Sensor readings are quickly viewed from the AVIDdashboard main page by adding a graphical widget to display the status of the door. User defined Alerts can signal support resources to handle any out of control conditions. Reports can provide the number of door opens and closes.



Contact

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AVIDSmartSensors™

Wireless Magnetic Door Switch

Specifications

Parameter	Units
Transmission Rate	10 – 17 Seconds Random
Shelf Life with Battery Installed	10 Years in Quiescent Mode
Dimensions (enclosure)	1.5 W X 2.1 H X .6 D (inches)
Weight	1.5 oz.
Operating Temperature	-40° to 85° C
Humidity	0% to 90% Non-Condensing
Battery Life with Transmission	6-10 Years with TX Period of 30-240 Seconds
Battery	3.6 volt Lithium



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