



Part Num: AD-2006-4CHAN-THERM



AIDSmartSensor™ 4-Channel Thermistor

Features

- 4-channel 10k ohm thermistor interface (alternative thermistor inter-faces optional)
- 12-bit Analog to Digital Conversion
- Transmits unique ID and thermistor value
- RS485 multi-drop interface
- Sequentially transmits data from each of 4 channels
- Very small (2.5" x 2.0" X 1.0") ABS Enclosure
- CRC-16 checked Status, ID, and thermistor data
- 2.5" X 2" X 1" ABS enclosures

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The transmitter is a powered 10K ohm thermistor interface with RS-485 interface. At predetermined time intervals the clock will wake up the onboard microprocessor and thermistor data is read from a 12-bit analog-to-digital converter. This information is combined with a unique serial ID, CRC-16 error check and transmitted in a very short data packet via the RS-485 interface.

The built-in LED provides feedback for when standard data is transmitted and indication of which channel is producing the service packet.

Parameter	Value
Transmission rate	10-17 seconds random (alternates channel every 3-4 seconds)
Dimensions	2.5 W X 2.0 H X 1.0 D (inches)
Weight	1.5 oz.
Operating Temp	-40° to 85° C
Humidity	0% to 90% non-condensing
Input	10K ohm thermistor (alternative thermistors available)