



AD-2004-COUNTTEMP



AVIDSmartSensors™ Counter Temperature

Features

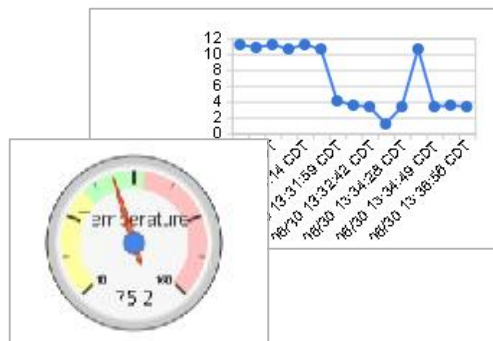
- § 32-Bit unique ID with 24-bit Digital Counter, 13-bit Temperature, digital input status
- § Switch for installation and service mode indication
- § Broad operating temperature range
- § Up to 600-foot range
- § Transmission rates from 10 to 17 seconds random
- § Up to 100 transmitters can coexist
- § Battery lasts from 5 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, temperature and counter data
- § Internal Loop antenna

The Counter Temperature sensor combines the power of both the pulse counter and temperature sensors. The sensor provides both a 24-bit Digital Counter and a 13-bit digital temperature sensor with a microprocessor controlled 418 MHz. FCC certified radio transmitter. The Counter Temperature sensor has an on board time of day clock that allows it to spend most of the time in a low power quiescent state. This architecture allows a battery life of up to 5 years.

Parameter	Units
Transmission Rate	10-17 Seconds Random
Shelf Life with Battery Installed	5 Years in quiescent mode (10 years with optional battery)
Dimensions (enclosure)	1.5 W X 2.1 H X .6 D (inches)
Weight	1.5 oz.
Operating Temperature	-40° to 85° C
Input	Switch closure 3.3 volts pulsed
Humidity	0% to 90% Non-Condensing
Battery Life with Transmission	5-10 Years with TX Period of 10-17 Seconds
Battery	3.6 volt Lithium

AVIDdashboard Integration

Sensor readings are quickly viewed from the main page of the dashboard by adding a graphical widget to display the temperature. User defined Alerts can signal support resources to handle any out of control conditions.



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