

AlertWerks™ Temperature Sensors, Daisychainable

**Measurement ranges from -67 to +167° F
(-55 to +75° C) and the sensor never needs
calibration.**



Specifications

Communications Cable — UTP CAT5 cable

Maximum Cable Length — Up to 500 ft. (278 m) for the daisychain

Measurement Range — -67 to +167° F (-55 to +75° C)

Measurement Resolution — 0.9° F (0.5° C) increments

Measurement Accuracy — ±0.9° F from +14 to +167° F
(±0.5° C from -10° to +75° C)

Measurement Rate — One reading per second

NOTE: The Temperature Sensors never need calibration.

Number of Temperature Sensors — Up to (8) per
ServSensor (EME108A) port, up to 64 on a ServSensor V4E
(EME134A) using a ServSensor Expansion Hub (EME1X8)

*NOTE: The four or eight temperature sensors must remain
in their numbered order, and be connected to the
proper in and out ports. They can not be mixed with
different temperature strings.*

OID — 1.3.6.1.4.3854.1.2.2.1.19.33 <port> 2.1.3 <subport>

Sensor Type — Semiconductor microprocessor controlled

Power — Powered by the AlertWerks ServSensor Hub

NOTE: No additional power is required.

Power Consumption — Typical 10.70 mWatt, 2.14 mA

Overview

The AlertWerks Temperature Sensors, Daisychainable are designed for efficient temperature monitoring.

Link up to eight Temperature Sensors together and plug them into one AlertWerks intelligent sensor port to measure up to 64 temperature points. The sensor measures temperatures between -67 to +167° F ±0.9° F (-55 to +75° C) ±0.5° C.

Collected temperature values can be used to trigger alerts including e-mails, SMS, phone calls, and SNMP traps.

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With the AlertWerks unique mapping feature, you can place these sensors on a map so you can quickly identify where you might have hotspots. Each temperature sensor has its own SNMP OID so that the data can be collected over the network using any Network Management System.

Each temperature sensor comes with a 5-foot (1.5-m) sensor cable. You can daisychain sensors to extend the distance up to 500 feet (278 m). The length between each of the temperature sensors can be any length as long as the total length of the string does not exceed 500 feet (1.5-m).

Monitor up to 64 separate temperatures or locations by connecting eight daisychainable temperature strings to each AlertWerks ServSensor (EME108A), ServSensor V4E (EME134A, or ServSensor Expansion Module (EME1X8) RJ-45 sensor ports.

If you also need to monitor humidity, daisychaining the temperature sensors will enable you to use a dual temperature/humidity sensor on any of the ports.

Features

- Daisychainable temperature sensors include a 5-ft. (1.5-m) CAT5 cable
- EMEDTEMP contains one temperature sensor, EMEDTEMP4 is a package of four sensors, and EMEDTEMP8 is a package of eight sensors.
- Installs easily to an RJ-45 port.
- Operates from a single +5 VDC power supply that's powered by the AlertWerks ServSensor (EME108A).
- Autosensing disconnect alarm.
- ServSensors auto-detect the presence of the daisychained temperature strings.



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EMEDTEMP, version 1

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