

Technical overview

CM-2 Climate Monitor



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Monitoring IT environments

The importance of effectively monitoring IT environments has never been greater. There are a multitude of potentially very serious problems that can happen in a short time and if unreported can lead to permanently damaged equipment and costly downtime.

- Temperature
- Humidity
- Light level
- Sound
- Airflow
- Additional free ports



As technology advances many of our IT problems are becoming a thing of the past. However this progress can exacerbate other issues, heat generation, power consumption and security breaches are becoming increasingly worrisome.

The solution consists of the core CM-2 monitor alone. It is the cost effective way to have reliable server room environment monitoring and carries on-board sensors for sound, light, temperature, airflow and humidity, as well as having numerous free ports for additional plug-and-play sensors as required.



The Climate Monitor CM-2 bristles with sensors and delivers a sophisticated rack environment monitoring and early warning system.

PC PRO



Overview

This self-contained unit continually monitors climate conditions and displays them via an internally-generated web page. These values are graphed for easily seen trends. The LCD display on the front of the unit cycles through the values. If user-defined thresholds are exceeded, alarms can be sent via email, audio alarm, SNMP trap or (optional) SMS.

The Climate CM-2 occupies a 1-U-space and contains a complete set of internal sensors. A variety of additional remote sensors can easily be added.

Installation is simple using an intuitive web interface. All a user needs is a standard web browser (e.g Firefox, Internet Explorer).



- 3 analogue inputs for 0-5 VDC sensors
- 5 digital sensor ports for remote sensors
- LCD display cycles through sensor readings
- Multi-level alarms with escalation
- Alarm notifications sent by email, SNM and (optional) SMS
- Accessible through a web browser
- 5 built in sensors
- Audible horn triggered by alarm



Expandability

Up to 16 external sensors can also be added to provide monitoring of external conditions. Sensors available include:

- Temperature Sensor
- Temperature, Humidity & Dew Point Sensor
- Point Water Sensor
- Smoke Sensor
- Current Transformer
- Door Sensor

Software protocols supported

The following software protocols are supported as standard:

- Web (HTTP)
- SMTP/POP
- SNMP (full MIB)
- FTP (firmware upgrades)
- Graphing
- XML

