Esensors

Websensor EM08 *HVAC Monitor*

Features

- OS Independent built-in web interface.
- Provide standard XML /HTTP data output
- Open Source Plug-ins in VBScript and C languages
- Compatible with any 10/100 Mbps network
- Remote monitoring via Internet
- Supports DHCP, TCP/IP, ICMP, SNMP protocols.
- Works with network monitoring software (Nagios, Cacti, MRTG, WhatsUP) for Graphing and to generate ALERTS which notify user of MINIMAX set-point violations in temperature, relative humidity and illumination.

Sensor Specs

- Temperature accurate to +/- 0.2 Celsius with range from -40 to +123.8 Celsius
- Units in Display in Fahrenheit or Celsius
- Humidity accurate to +/- 3% RH with range from 1% to 99% Relative Humidity
- Light sensor detect illumination between 0 to 999 Lux

Description

The heating, ventilation, and air-conditioning (HV AC) monitor has three sensors: temperature, illumination, and relative humidity. It is intended to monitor rooms in commercial buildings. It has a built-in interface (TCPI/IP) via the Internet (Ethernet). The temperature and relative humidity of room air is measured continuously, but data is transmitted only upon request from a server via a LAN or the Internet - Ethernet link. A warning is generated and sent by the system monitoring software if the temperature, relative humidity or illumination exceeds preset limits. The configuration/setup of the Websensor's IP address is performed via the Ethernet port.

EM08 Block Diagram

To Internet via Ethernet	⟷	Ethernet Driver	⟷	TCP/IP Interface	⟷	Signal Conditioning & Websensor Formatting	⟷	Sensor