

DSP2

Simple and rugged SNMP based environmental monitoring solution!



Applications

Monitoring Solutions for :

- Data Center & Server Rooms
- Telecommunication Room
- Network Equipment
- Remote ATM
- Air Conditioning
- Warehousing
- Medical & Pharmaceutical applications
- Rack mount
- Building & Real estate Management
- Cold Storage & Food industry

Features

- Email Notification
- Web Enabled - Embedded web server
- NMS Integration
- SNMP trap notification
- Full SNMP V1 Compliant
- PoE IEEE 802.3af compliant (optional)!
- 100MB Full Duplex Ethernet Port!



DSP2

Simple, Accurate and Rugged, **DSP2** is a low cost SNMP enable and Web-based Environmental Monitoring Device. It is based on years of industry experience. It is ready to run right out of the box. Simply assign the IP address and connect to the embedded webserver.

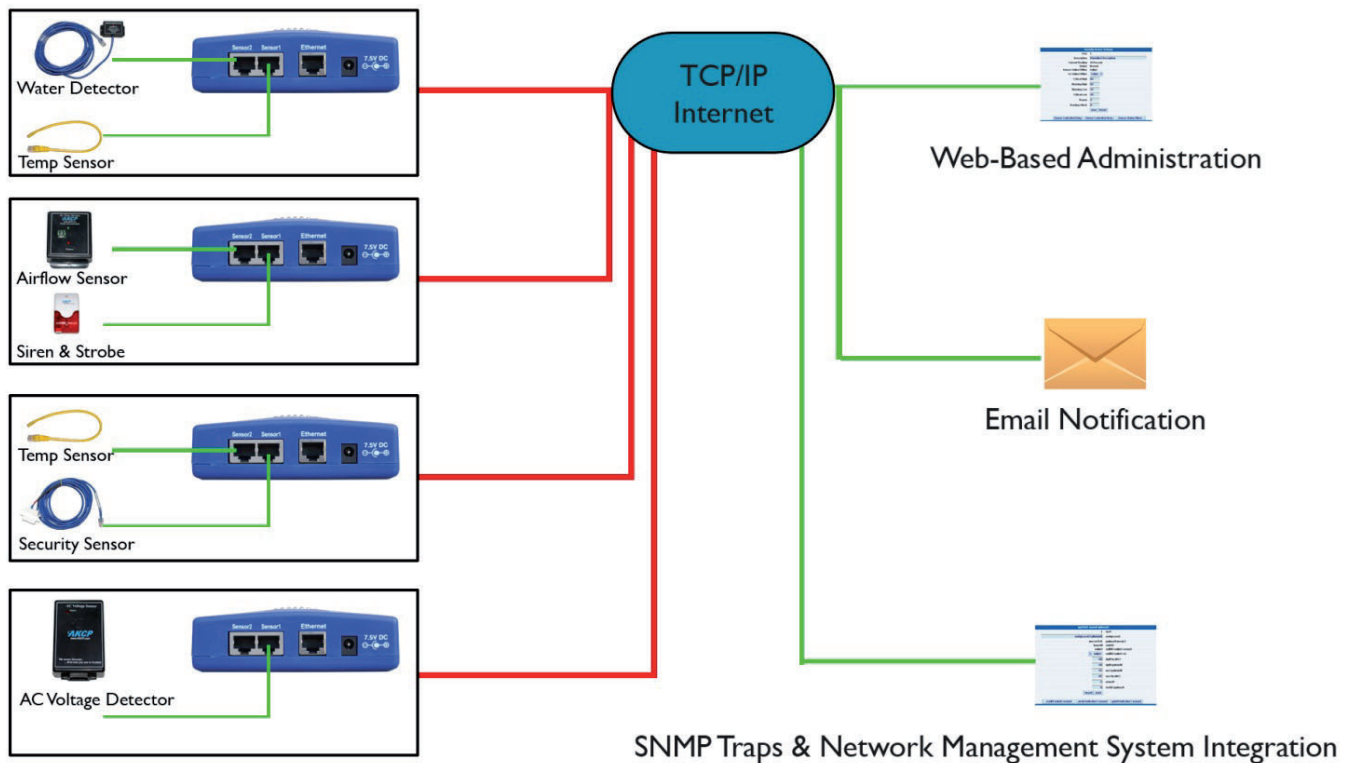
DSP2 has been field-proven with versatile measurement options. It can be configured to prevent specific kinds of exposure to humidity, water leakage, gas, airflow and low/high temperature, etc. It does support other sensors which can monitor voltage drop, security, analog and dry contacts. It is customizable to any other sensors like Motion, Gas and Sound Sensors.

A wide range of our intelligent sensors are supported. Plug the sensor in the **DSP2** autosense feature will recognize the type and automatically configure it. The sensorProbe monitors your equipment's environmental variations, and notifies you through "Email or SNMP Alerts in your Network Management system" in advance and prevents any disaster. The user-friendly web interface allows you to monitor and control the DSP2 from anywhere remotely. It also provides you the graphical representation of environmental conditions.

DSP2 has been tightly integrated with Network Management Systems like HP Openview, CA TNG Unicenter, IBM Tivoli and WhatsUp Gold. The sensorProbe is designed to run for years non-stop.

Features

- Comes complete with temperature sensor, SNMP MIB and software
- Supports all major communications protocols
- Embedded web-server allows all parameters to be easily configured
- Supports up to 2 of our intelligent autosense sensors simultaneously
- Supports up to 10 dry contact inputs using two 5DCS (5 dry contact) sensors and the DCUPGSP2 unlock code.
- Full SNMP v1 compliant
- Includes SNMP MIB
- Includes SNMP utilities for setting and getting parameters
- Supports SNMP polling allows sensor values to be collected and graphed with host applications
- Sends trap notifications to two destinations
- Sends email notifications to two email addresses
- Email and traps include the sensor description and current sensor value
- User configurable thresholds for all sensors
- Use the built in "Continuous Time" feature on either sensor port for eliminating false warning alerts.
- Email
- Optional PoE (Power over Ethernet) that is fully IEEE 802.3af compliant.
- 100MB Full Duplex Ethernet port.



Temperature/Humidity Sensor

Up to two Temperature/humidity sensors can be plugged into the RJ-45 jacks on the DSP2. The Temperature/Humidity sensor comes with 1 foot of cable. The humidity sensor has its ownSNMP OID so that data can be collected over the network and graphed.

Security Sensors

Security sensor with an ALARM/NORMAL indication in software. Connect up to two security sensors which can detect doors and windows being opened or closed. SNMP interface for alarm/normal status. SNMP traps sent when critical.

Temperature Sensor

Up to two temperature sensors can be plugged into the RJ-45 jacks on the sensorProbe. The sensorProbe comes with a one foot temperature sensor. Temperature sensors (the remote type TMP00, not fixed one foot) can be extended with standard CAT5e network cable up to 1000 feet.

Voltage Sensors

Voltage Monitor sensor with an ALARM/NORMAL indication in software. Up to two voltage sensors per DSP2. Voltage sensors can detect the presence or the absence of line voltage.

Water Sensors

The water detector sensor is an advanced microprocessor based design, capable of detecting distilled water.

ropeWaterAcid Sensor

Up to two ropeWaterAcid sensors can be plugged into the RJ-45 jacks on the DSP2. This sensor will detect the presence of water anywhere along the rope.



4-20 mA Converter

The 4-20 mA signal converter is used to integrate the DSP2 with a 4-20 mA transmitter. 4-20 mA technology is used to communicate analog signals over long distances where electrical interference is a problem.

AC and DC Relays

Up to two PRB00-AC or PRB00-DC sensor controlled relays can be connected to the RJ-45 sensor ports. Tied to another sensor, AC or DC equipment can be automatically controlled by the DSP2.

Specifications

Dimension

- Size 4.5" x 2.5" x 1.25"
- Weight 0.242 pounds

Power Requirements

- Voltage 7.5 - 9 V / >= 1.2 Amp

PoE – Power over Ethernet

- SP2 PoE is IEEE 802.3af compliant

Power Consumption

- Typical 1.125 Watt, 0.15A

Inputs

- 2 RJ-45 ports for connecting AKCP sensors
- Up to 10 dry contact inputs

Network Interface

- Standard 100MB Full Duplex Ethernet RJ-45 Port

Status Indication

- LED indication for Power
- LED for Network Connectivity
- LED for sensor online and threshold status

Operating Environment

- Temperature : Min. -35° C - Max. 80° C
- Humidity : Min. 20% - Max. 80% (Non-Condensing)

Mounting

- On rack-mount, or wall hanging

Output

- Configurable output signals (0VDC/5VDC) on any of the 2 RJ-45 sensor ports

Components

- Manufactured using highly integrated, low power surface mount technology to ensure long term reliability.

Industry Certifications & Network Management Systems

AdRemNetCrunch
Quest Software – Big Brother
Castle Rock
HP OpenView

IBM Tivoli
LoriotPro
Logalot
MRTG

SiteScope
Somix - WebNM and Denika
WhatsUp Gold
Computer Associates Unicenter TNG

