SP-BS1 Sensplorer v3 Base Module

REMOTE MONITORING

Remote monitoring is key for safe, efficient and sustainable operations. Today's environmentally conscious operations cannot be run without precise monitoring and controlling of environmental parameters

NETWORK ACCESS

Access to information regardless of location is mandatory. Access to the current status of the site should be handled via any type of communication link. Sensplorer supports cable, wireless and GSM networking.

PROPERTY and BUILDING MANAGEMENT SYSTEM

Sensplorer is a complete PMS/BMS. Sensplorer also feeds all information to the existing SCADA and/or PMS/BMS systems too.

www.sensplorer.com.tr

- TCP/IP based environment monitoring system.
- Sensors / Parameters count is expandable up to 32 in total.
- Web based monitoring and reporting
- Standard 10/100 Ethernet LAN port
- GPRS/UMTS network backup is optional
- E-mail, SMS, Phone call, SNMP, Syslog alerting

Sensplorer is a microprocessor based, easy-to-expand monitoring and warning system that continuously measures climate and environment data of critical locations and warns assigned people or systems when out of defined treshold range. It consists of a base module and intelligent sensor modules that communicate with the Base Module.

A maximum of 7 different modules can be connected to one Sensplorer base module in a daisy chain manner. More than one Sensplorer base module can be used on the data bus for redundancy. Alerts may be sent via e-mail, SMS, SNMP trap or via any audio/visual devices that are connected through dry contact relays. The display on the base module allows one to monitor the values as well as to change the network and alert settings.

Sensplorer Base Module,
- Provides Ethernet-TCP/IP access
- Hosts a Web Server to monitor data and to change settings
- Collects data from all the modules and delivers this data to SNMP, SMTP and Sensplorer Management Console software.

In addition, the Sensplorer Base Module is packed with the following sensors:
- 1 x Temperature Sensor
- 1 x Relative Humidity Sensor
- 3 x AC/DC RMS Voltage Sensors
- 3 x AC Frequency Sensors
- 1 x Water Flood Sensor
- 1 x Air Quality

Technical Specifications

General

Power Input	: 12V DC / 3A power adaptor
Energy Con.	: max. 15 Watt
Working Temp.	: -10 °C - +70 °C
Storage Temp.	: -40 °C - +85 °C
Standards	: TS EN 61000-4-5:2007 , TS EN 61000-4-6:2008
LAN	: 10/100 UTP
IP Protocols	: HTTP, SMTP, SNMP, TFTP, ARP, XML SOAP

Temperature Sensor

Measurement range	:-10 °C / +70 °C
Accuracy	: ±1 ºC @ 25 °C
Resolution	: 0.01 ºC
Measurement duration	: max. 30 seconds

Relative Humidity Sensor

Measurement range	: %0 RH / %100 RH
Accuracy	: ± %4 RH @ 25 ºC
Çözünürlük	: % 0.05 RH
Measurement duration	: 8 seconds

Flooding Sensor

Measurement duration	: 3 seconds

Air Quality Sensor

Target Gases	:CO_2, CO, Smoke, Sulfide, Amonium, Benzene
Ölçüm Aralığı	: 10-10000 ppm
Çalışma Sıcaklığı	: -10 °C - +50 °C

AC Voltage & Frequency Sensor

Measurement	: True RMS
Measurement range (V)	: AC veya DC 0-250V
Measurement range (f)	: 0-100 Hz.
Accuracy	: ± 3 V
Measurement duration	: 5 seconds

Relay Output

Relay	: 1 adet Normally Open (NO) /Normally Closed (NC)
Load Voltage	: max. 30V DC veya 230V AC
Load Current	: 2A AC veya 1A DC @ Normally Closed Contact
	5A AC veya 1A DC @ Normally Open Contact

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