Sensplorer

SPx-S4006

Sensplorer Cabinet Monitoring Module

CLOUD AND MOBILE MONITORING

Sensplorer's MQTT protocol support presents secure, accurate, prompt mobile and cloud based monitoring for the ambient temperature and relative humidity values in 19" rack cabinets.

19" CABINET MONITORING

Hardware and software solution that monitors ambient temperature in all levels in cabinet, humidity and door positions.

A UNIQUE NAME, CONFIGURATION AND "IF THIS THEN THAT" RULE CAN BE SEPERATELY ASSIGNED FOR EACH INDIVIDUAL SENSOR

Sensplorer's flexible , modern and user-friendly software gives you the freedom to use it any way you want. No design or system limitations

EXPANDABILITY

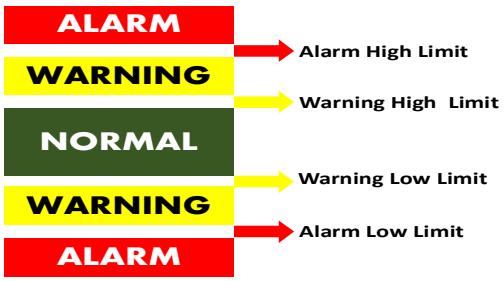
Sensplorer has a modularly expandable design protecting the current investment. The expansion size depends on the type of Sensplorer base module used

www.sensplorer.com

- **Precise ambient temperature in all levels of the data cabinet**
- **Humidity measurement in medium level**
- **Front and back doors are under eye by Sensplorer**
- **User defined name, limits and hysteresis**
- **Sensor can be used with Sensplorer-X/M/S Base Modules and Sensor Hub Module**
- **A single UTP cable connection is enough for both 12 VDC power and sensor communication**

The Sensplorer Temperature & Humidity Sensor monitors 19" cabinet with the following sensors:

S1 : Temperature on top
S2 : Temperature&Humidity in the middle
S3 : Temperature at bottom
K1 : Front door position (open/closed)
K2 : Back door position (open/closed)



Four treshold values are assigned to the each temperature and humidity sensors which Sensplorer alerts when exceeded up or down.

It is connected to the sensor ports on the Sensplorer-X/M/S base modules or Sensor Hub Module by using CAT5 / 6 UTP cable. The module receives its energy via this UTP connection, no seperate power supply is required.

The maximum distance of sensor module to base and hub can be extended up to 200 meters.

If the sensor value goes out of the range defined by the system admininistrator;

- *Users sensor assigned, "if defined", receive e-mail, SMS, phone call*
- *Sensplorer dashboard shows the status change on dashboard*
- *SNMP / Syslog servers ,"if defined", receives the traps/messages*
- *SCADA or BMS systems, ,"if defined", receives the traps/messages*
- *Sensplorer runs the specific rule(s) defined in case of this particular event*
- *All events and sensor's values are stored in the sensor history database for logging or reporting purpose in the future*

Technical Specifications

Sensor Module

Power	: 12V DC , max. 0,50 W
Working Temp.	: -20 °C / +70 °C
Storage Temp	: -40 °C / +85 °C

Temperature Sensor

Measurement range	:-20 °C / +70 °C
Accuracy	: ±1 ºC @ 25 ºC
Resolution	: 0.01 ºC
Meas. duration :	max. 30 seconds

Relative Humidity Sensor

Measurement range	: %0 - %100 RH
Accuracy	: ±%4 RH @ 25 ºC
Resolution	: % 0.01 RH
Meas. Duration	: 8 seconds

Door Contact Sensor

Measured Value	: OPEN /CLOSED
Response Time	: max. 1 seconds

Always monitor your assets wherever you are...

SENSPLORER ALWAYS LETS YOU KNOW WHAT'S GOING ON

Sensplorer sends message to the assigned people to let them know a status change occurred

Users can request the current state of sensors whenever they want to know

All these assignments are completely customizable and easy to use

GOING GREEN

Sensplorer helps you to run an environmentally conscious operation

Please let us know about your requests, questions, comments and suggestions...

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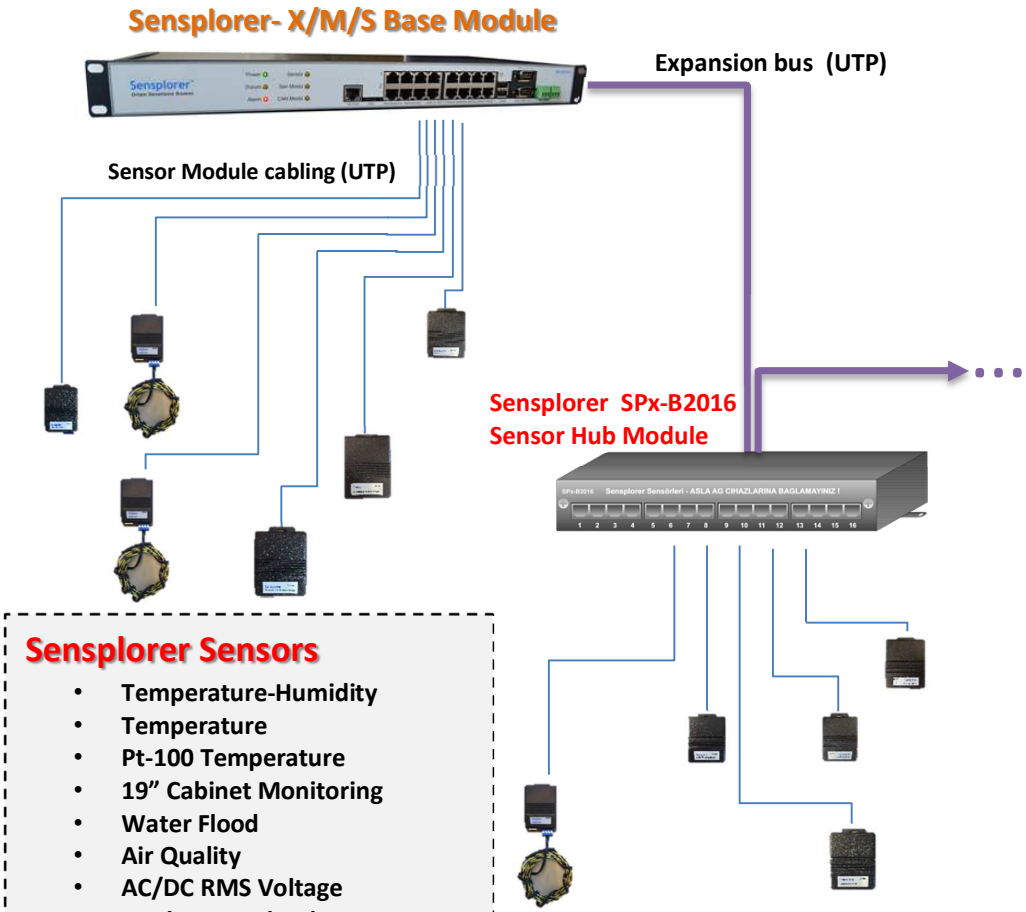
Sample Sensplorer installation with Sensors



Sensplorer Sensors

- Temperature-Humidity
- Temperature
- Pt-100 Temperature
- 19" Cabinet Monitoring
- Water Flood
- Air Quality
- AC/DC RMS Voltage
- Earth-Neutral Voltage
- AC Current
- Air Pressure
- Air Flow
- Vibration-Shock
- Analog Input
- Dry-Contact
- Digital Input

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