Sensplorer

SPx-S8401

Sensplorer Air Flow Sensor

- **Monitors that cooling devices such as fans and air conditioners continue to blow**
- **When there is no air flow or falls below the detection level, it generates an alarm to indicate a problem.**
- **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**

Sensplorer Air Flow Sensor measures the air velocity at its location with the air flow measurement circuit on the Air Flow Sensor. As long as the air velocity stays above a limit such as 2.5 m / sec, it is defined as NORMAL, when it falls below an ALARM is generated.

It is connected to the sensor ports on the Sensplorer-X/M/S base modules or Sensplorer 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

Air Flow Sensor

Measurement range	: 2 -5 m / sn.
Meas. Duration	: 8 seconds

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.

AIR FLOW

The Sensplorer Air Flow Sensor continuously monitors whether the air flow rate at the point where it is placed is above 2.5 m / sec and generates ALARM below this speed.

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

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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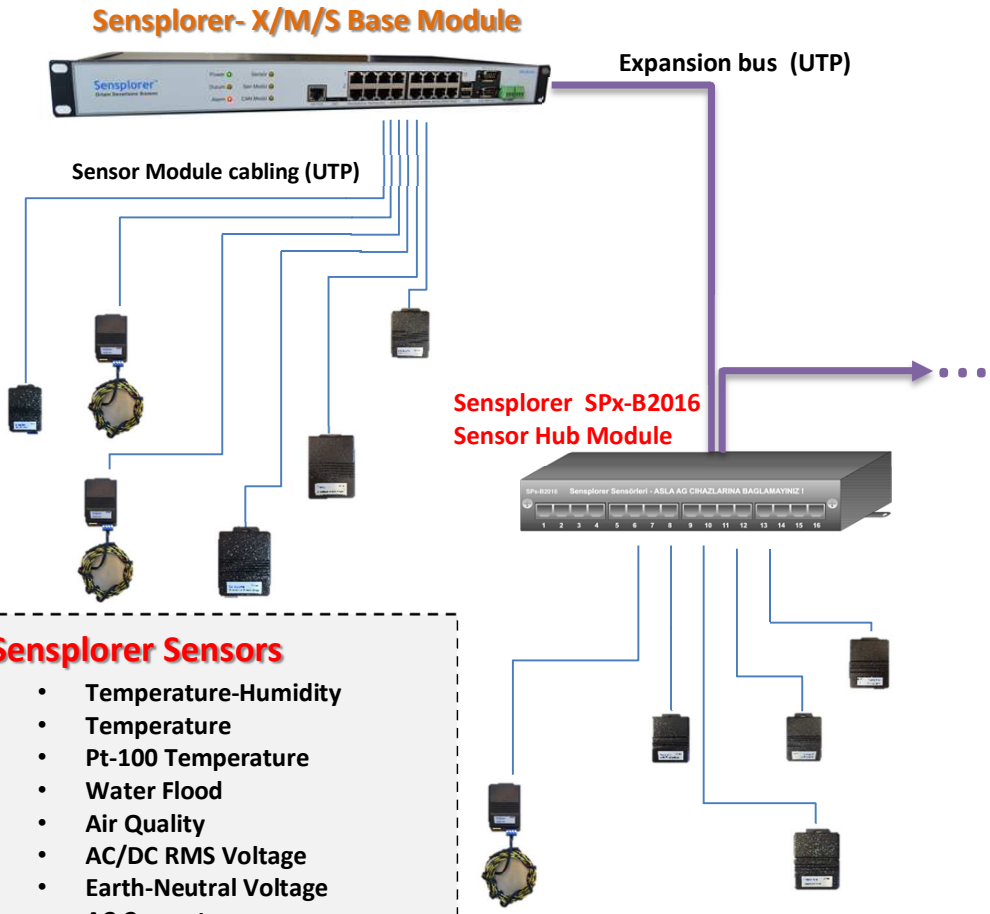
Sample Sensplorer installation with Sensors



Sensplorer Sensors

- Temperature-Humidity
- Temperature
- Pt-100 Temperature
- 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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