

Sensor Control...
Access Control...

Airflow Sensor

The AKCP airflow sensor is designed for systems that generate heat, and a steady flow of air is necessary to dissipate this in order to maintain system reliability and safety.



The Airflow sensor is placed in the path of the air stream, where the user can monitor the status and the amount of the flowing air. The sensorProbe or securityProbe web interface shows this information using a graphical display. In addition to an on/off indication, it also graphs the analog values over a period of time. If, for example, the fan slows down the user will be give an indication of change over time. This may happen if the fan close to failure or the air filter is clogged.

In addition to a web interface the sensor has it's own SNMP OID for alarm/normal status and to get the current analog value. SNMP traps are sent when critical. polling via SNMP get is also available.

The best application is to place the airflow sensor near the air source you want to monitor. The sensor is much more accurate if it is positioned so the air flows across the top of the sensor. You may find the sensor giving you a reading of 100% on the units web interface. If you would like to get readings of less than 100%, then you need to place the sensor further away from the airflow. This is not a precision sensor, it is basically designed to sense the presence and non-presence of airflow and not to measure the amount of airflow. It is best used to send an alert in the case of a fan failure

Specifications

- **Data graphically displayed via a web page**
- **Data collection: via network management**
- **Operating temperature: -20°C to 60° C**
- **Measurement rate: one reading each second, data logging once per minute**
- **Communication cable: RJ45 jack to sensorProbe**
- **Sensor type: Thermistor**
- **Sensor power: Powered by sensorProbe or securityProbe base unit. No external power required.**
- **Trap information: Warning sensor number, Sensor description, Airflow (%)**

Features

- **On/off alarm signal of airflow**
- **Airflow data graphically displayed of over time**
- **Accurate, cost effective flow sensing**
- **Operates from a single +5 V DC Power Supply which powered by the sensorProbe**
- **2 LEDs indicate the status of Airflow and that the sensor is securely plugged into the base unit**
- **Electronics mounted in a small plastic case**
- **Sensor type - open/closed contact switch**
- **Power source: powered by the sensorProbe. No additional power needed.**
- **Power Consumption: Typical 429.50 mWatt, 85.90mA**
- **Base unit auto detects the presence of the airflow sensor**
- **Up to 2 airflow sensors per sensorProbe2, 8 per sensorProbe8 and securityProbe**
- **Full autosense including disconnect alarm**
- **AFS00 can be extended to your desired cable length using one of our CAT5 extension cables, CABXX, or you can provide your own cable of any length up to 60 feet.**

Your Distribution Partner:

Didactum® Ltd. Deutschland
Marsweg 17

48163 Muenster

Germany

Phone: +49.2501.9716355
Fax: +49.2501.9716356

eMail: info@didactum.com
Web: <http://www.didactum.com>