IMS-4863E AIR FLOW SENSOR

Introduction

The IMS-4863E Airflow Sensor lets you monitor the movement of air in cooling ducts or inside equipment cabinets. It reports the relative air flow passing the sensor over a range of 0 to 100%, allowing you to monitor the operation of your cooling and ventilation systems.

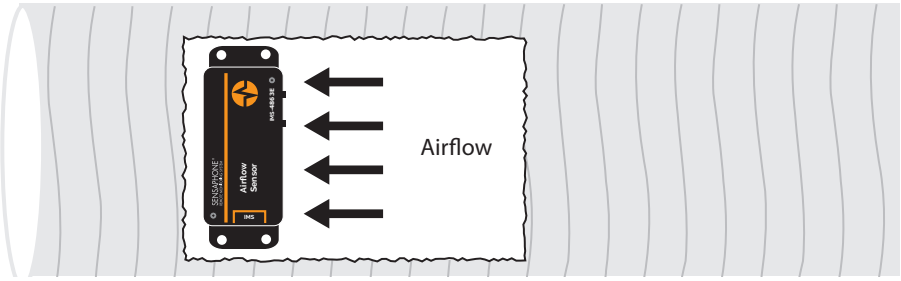
Cabling

The Airflow Sensor connects to the IMS-4000E Host or Node via an RJ-45 cable (e.g. CAT5 cable). The connection from the sensor to the Host or Node can utilize your existing network wiring infrastructure. For example, the sensor may be installed in another room or another floor. Connect the sensor to your structured wiring network via an RJ-45 jack. At the other end, connect a patch cable from your structured wiring patch panel directly to the Host or Node environment input..

Caution: The IMS sensors are not TCP/IP devices and therefore should not be connected directly to any wiring infrastructure that is connected to network equipment such as a hub, router, or switch. Sensors use RJ-45 plugs and cables similar to those used with Ethernet devices..

Mounting

The sensor can be installed to the wall of a cabinet, inside of a vent, or directly in front of any forced air system. The enclosure can be mounted using the included dual-lock velcro tape, screws, double-sided adhesive foam tape, or with tie wraps. Your specific requirements will dictate the best mounting method for your application. The only installation requirement is that the sensing elements protruding from the side of the enclosure must be in the path of air flow.



Configuration

All IMS Solution sensors are auto-configured when you plug them into the Host or Node. The Airflow Sensor will identify itself as a 4-20mA transducer. When a sensor is removed, or the connection is disrupted, the configuration data remains intact but the sensor will go into trouble status and generate a trouble alarm. When the sensor is plugged in again, or the connection is re-established, configuration data remains unchanged and the sensor returns to normal operating condition.

Caution: Removing a sensor for less than 60 seconds does not produce a trouble alarm. Removing or unplugging a sensor for more than 60 seconds or plugging in a different sensor at any time will cause a trouble alarm.

Host and Node Firmware Requirements

The Airflow Sensor requires the following firmware versions in the IMS-4000E Host and updated ConsoleView software for your computer for sensor compatibility:

IMS-4000E Host

- Input board firmware chip version xx.xx.xx.106 or higher

  NOTE: Input board firmware is NOT flash upgradeable. A new firmware chip must be installed. For information on obtaining a new firmware chip, please contact Sensaphone Technical Support at 610.558.2700 or via e-mail at support@sensaphone.com.

- ConsoleView version 3.0.22 or higher
- IMS4K OS version 3.13 or higher

• Voice version 2.12 or higher

*Host version information is viewable through the ConsoleView software on the Version Info screen and the Help>About selection from the main menu.

IMS-4000E Node

• Firmware version 2.59 or higher (for 10Mbit/s nodes).

• All firmware versions (for 100Mbit/s nodes).

*Node version information is viewable through the ConsoleView software on the Node Properties>Diagnostics screen.

Sensor Template		Specifications	
Input Name:	Transducer	**Range:**	0-100 %
High Limit:	100	**Operating Temperature:**	32 to 80°F (0 to 26.5°C)
Low Limit:	0	**Operating Humidity:**	0 to 80% RH, non-condensing
Recognition Time:	60 Seconds	**IMS Connection:**	RJ-45
Reset Time:	0 Seconds	**Housing:**	Black plastic with mounting ears
Data Logging:	Active	**Dimensions:**	4.2” x 1.6” x 0.9”
Voice:	none		
Input Class:	Other		

Technical Support for the IMS-4000E Sensors

For questions about installing any of these sensors, please contact your local IMS Solution Reseller or VAR or contact the manufacturer directly at:

SENSAPHONE Tel: 877.373.2700

901 Tryens Road Fax: 610.558.0222

Aston, PA 19014 Email: support@IMS-4000E.com

www.IMS-4000E.com