



Wireless Airflow Sensor

Technical Overview

General Description

The OEM RF Wireless Airflow Sensor measures the amount of bend (force) applied to the ribbon sensor by a constant flow of air.

Features

- Detects airflow.
- Bend Sensor / Potentiometer.

Principle of Operation

The OEM Wireless Airflow Sensor uses a flexible, stress sensitive ribbon to accurately measure the amount of bend (force) applied to the ribbon. Perfect for measurement of air flow within heating and air conditioning duct work. The data is stored in the software and can be reviewed and exported as a data sheet or graph. Notifications can be set up to alert the user when a set threshold has been met or exceeded.

OEM Sensor Core Specifications


- Power: 3.0 V coin cell battery
- Communication: RF 900, 868 and 433 MHz
- Antenna: 4" wire antenna
- Operating Temperature: -20° to 60°C (-4° to 140°F)
- Device Range: 250 - 300 ft. non-line-of-sight*
- Only 1 inch by 1 inch

* Actual range may vary depending on environment.

Applications

- Heating and AC System Monitoring.
- HVAC Testing.
- Blower Motor Monitoring.
- Environmental Monitoring.

Specifications

Supply Voltage	2.0 - 3.6 VDC *
Current Consumption	0.7 μ A (sleep mode) 2 mA (radio idle/off mode) 2 mA (measurement mode) 25 mA (radio RX mode) 35 mA (radio TX mode)
Operating Temperature Range	-20°C to +60°C (-4°F to +140°F) **
Base Resistance	100 Ω - 500 K Ω
Certifications	 900 MHz product; FCC ID: ZTL- RFSC1 and IC: 9794A-RFSC1. 868 and 433 MHz product tested and found to comply with: CISPR 22:2008-09 / EN 55022:2010 - Class B and ETSI EN 300 220-2 V2.4.1 (2012-05).

* Hardware can not withstand negative voltage. Please take care when connecting a power device.

** At temperatures above 100°C, it is possible to lose programmed memory.

 **Warning: Do not kink or damage the flexible ribbon!**



For more product information, to get a quote, or to place an order, please contact our sales department at 801-561-5555. Visit us on the web at www.oemsensors.com.

OEMSensors.com | 7304 South Cottonwood, Suite #204 | Midvale, Utah 84047 | 801-561-5555 | www.oemsensors.com