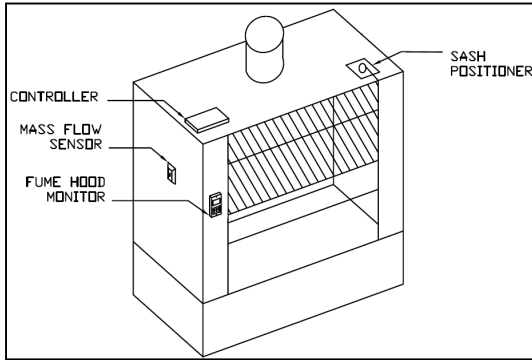


SASH POSITION SENSOR

BULLETIN 873-b



Measuring the sash position of a fume hood is a positive and proven method of determining fume hood exhaust flow rates.

System operation

The sash position sensor includes an indicator located on a moveable sash and a series of stationary receptors located next to the sash.

As the sash moves vertically or horizontally the indicator activates one or more of the receptors. A signal from these receptors is sent to a circuit which outputs an analog signal proportional to the position of the sash. This analog signal is then sent to the local controller which compares this required air flow to the actual exhaust flow and adjusts the exhaust valve or fan accordingly.

Features

- Proven Technology
- Minimal components

Benefits

- Compact
- Accurate
- Dependable

Application Recommendations

In addition to the sash position sensor, some form of duct pressure compensation should be used in systems where the duct pressures vary, for example systems with VAV fans. In these instances we suggest that the actual flow through the system be measured and compared to the sash position output and the valve adjusted accordingly.

Component Specifications

Input power	Minimal
Input Voltage	5.5-16 V
Linearity	1%
Operating Temperatures	0-155F
Diagnostics	Power LED