

Supreme AirLV



AUTOMATIC SASH OPERATOR

- *Increased laboratory safety*
- *Increased energy savings*

KEWAUNEE®

...encouraging new discovery

Kewaunee Scientific Corporation introduces the Supreme Air LV fume hood with Automatic Sash Operator

- *Increased laboratory safety*
- *Increased energy savings*

PRINCIPLE OF OPERATION:

Kewaunee's Automatic Sash Operator uses an overhead infrared sensor to scan the area in front of the hood for lab personnel. Scanning on regular intervals, when it senses there has been no movement within the set period of time, it automatically closes the sash slowly and safely.

A closed sash offers increased protection to lab personnel from reactions within the hood and isolates the experiment from activity in the laboratory. When used in conjunction with a Variable Air Volume or VAV exhaust system, it requires less airflow, thereby saving energy and money.

In addition to the Overhead Motion Sensor, a constant "Light Curtain" is created by infrared sensor strips located just behind the sash opening on both sides of the hood. These sensors scan for any obstruction in the path of the sash.

When an obstruction is detected, while no movement is sensed in front of the hood, the sash descent is stopped and a red warning light illuminates to warn the operator that an unsafe condition exists.

After the object is removed and the warning light button is reset, the automatic sash closing mechanism re-engages.

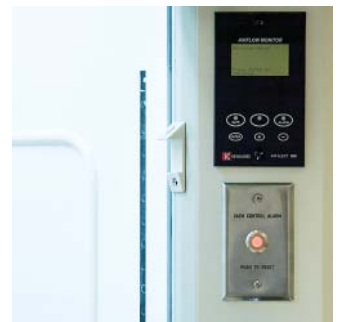
With the Automatic Sash Operator, Kewaunee now offers increased laboratory and fume hood safety and maximizes energy and operating cost savings on the industry leading Supreme Air LV fume hood.



Overhead Infrared Sensor



Infrared "Light Curtain"



Obstruction Warning Light

SPECIFICATIONS:

- Power Supply:** 110 VAC to 12 VDC Internal Control Circuit
1 Amp AC current draw during motor operation
- Sash Closure Speed:** Adjustable: recommended mid -range, 6" per second
- Product Compatibility:** Vertical sash on any LV fume hood
- Equipment Weight:** Under 8 lbs



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