

HMS-1650L

Fume Hood Controller

Data Sheet



HMS-1650L

Triatek's HMS-1650L Fume Hood Controller controls and monitors a fume hood's airflow and exhaust that provides scientists with confidence that they are protected from toxic vapors and dusts during experiments.

It utilizes a closed-loop system to regulate air entering and exiting the fume hood and communicates with a sidewall sensor and sash position sensor to monitor the airflow with a higher degree of reliability.

It features a user-friendly touchscreen with color-coded screens to effortlessly communicate the fume hood's status. It instantly updates as conditions change, and immediately alerts users of unsafe conditions with both visual and audible alarms.

The home screen simultaneously displays the current fume hood status, sash height, face velocity, temperature, time, and date.

The HMS-1650L provides more confidence than systems reporting on sash height alone which do not account for obstructions in front of an open sash.

FEATURES INCLUDE

- LonWorks[®] compatible for easy BAS integration
- User-friendly touchscreen with intuitive menus
- Color-coded screens
- Visual and audible alarms
- Easy to install and customize
- Password protection with four access levels
- Multiple alarms for sidewall and sash position sensors
- Zone Presence Sensor support
- Non-volatile memory
- Multi-trigger emergency purge option
- Available in plastic surface mount

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HMS-1650L Specifications	
Face Velocity Range	0-200 fpm
Alarm Range	0-200 fpm
Display Range	0-200 fpm
Accuracy	±2 fpm at 60-140 fpm, ±5 fpm outside this range
Sidewall Sensor	Digital ultra-low differential pressure
Sash Position Sensor	Vertical height up to 50"
Monitoring Resolution	±2 fpm
Monitoring Capability	Sash position with sidewall sensing feedback
Analog Inputs	4 universal (0-20mA, 4-20mA, 0-5Vdc, 0-10Vdc)
Analog Outputs	4 voltage (0-5Vdc, 0-10Vdc)
Digital Inputs	4 active-high or active-low (0-5Vdc or 0-10Vdc)
Relay Outputs	4 sets of N.O. contacts (1A at 24 Vdc/AC)
Communication Protocols	LonWorks®
Operating Temperature	32° to 125° F operating
Operating Humidity	10-95% relative humidity, non-condensing
Exterior Dimensions	Plastic surface mount housing: 3" W x 5" H x ¾" D
Mounting Styles	Surface (no cutout required)
Power Requirements	24Vac ±10%, 30VA
Password Protection	Up to 10 user passwords with 4 access levels
Display	18-bit (262K) color TFT, 3.2" diagonal, resistive touch screen, 2500 cd/m2
Alarm Indication	Industry standard status colors
Alarm Silence	Touchscreen, auto-reset

Product specifications are subject to change without notice. Triatek is a registered trademark of Triatek LLC.



Normal Mode



Warning Mode



Alarm Mode



ETL LISTED
ENERGY
MANAGEMENT
EQUIPMENT

CONFORMS TO
ANSI/UL 916

Part Number Guide

HMS1650L - -

Sensor Type

- 1 = single smart sidewall sensor
- 2 = dual smart sidewall sensor

Options for Sash Sensor

- blank = no sash sensor
- S = sash position sensor included

