Sentinel® XL

SXL-EFA

Fume Hood Monitor

Introduction

The Esco Sentinel® XL Fume Hood Monitor is designed to enhance hood safety by monitoring face velocity in real time. The system will generate an alarm if the face velocity drops lower than the low alarm set point or rises higher than the high alarm set point.

Key Features:

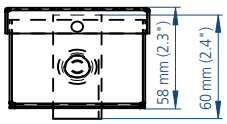
- Specifically designed for Esco fume hoods.
- Easy to install.
- Simple to calibrate.
- Real time monitor of face velocity.
- Hassle-free self-test procedure.
- Audible (mutable) and visual alarm.
- Field adjustable face velocity alarm set point, to meet local regulatory and application requirements.
- Display units selectible between US (imperial) and metric.
- User-configurable PIN to restrict unauthorized configuration.
- Temperature compensated airflow sensor.
- Facilitates hood compliance with industry standards:
  - OSHA
  - NFPA
  - ANSI Z9.5
  - EN 14175
- Compatible with EFA, EFU, EFP, EFQ, EFI and EFF hoods.

General Specifications, Sentinel XL		
Model		**SXL-EFA**
Control Panel Dimensions (W x H)		112 mm (4.4") x 80 mm (3.1")
Audible Alarm		85 dBA
Low Alarm Point		Default: 0.3 m/s (59 fpm) - adjustable
High Alarm Point		Default: 0.7 m/s (138 fpm) - adjustable
Electrical	100 - 240 VAC, 50/60 Hz	**SXL-EFA**
	Power Consumption	2.7 W / Single Phase
Indicator LEDs		SAFE (Green), UNSAFE (Red), MUTE (Yellow)
Night Setback Relay Input		SPST NO (normally open), 3.3 VDC Close relay to mute alarm (current: 3.3 mA)
Weight		2.5 kg (5.5 lbs)
Shipping Dimensions (W x D x H)		271 x 303 x 101 mm (10.7"x 12.0"x 4.0")

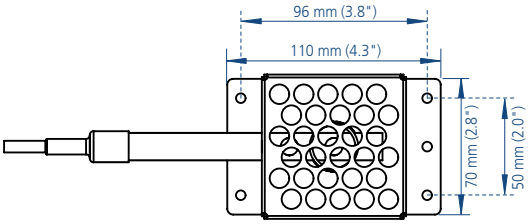
Velocity Sensor	
Velocity Range	0.2 - 0.9 m/s (39 - 177 fpm)
Required Input Voltage	12 VDC
Output Voltage Range	0.5 - 10 VDC
Power Consumption	0.6 W
Temperature Compensation Range	18°C - 30°C (64°F - 86°F)

Airflow Sensor (Mounts at Fume Hood Side Wall)

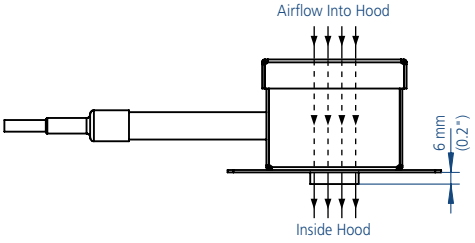
Front View



Top View

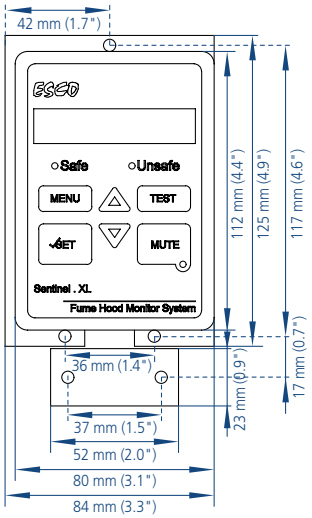


Side View

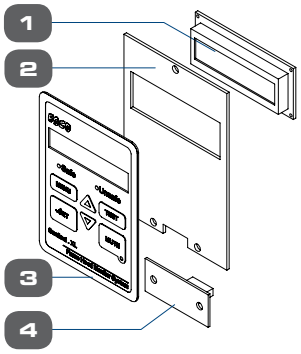


Sentinel XL User Interface Panel Technical Specifications (Mount on Fume Hood Side Post)

Front View



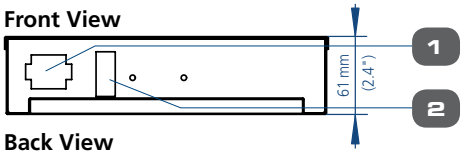
Mounting Position



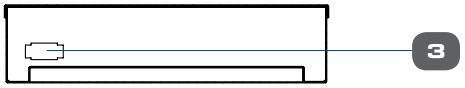
1. *LCD*
2. *Mounting panel*
3. *Membrane switch keypad*
4. *Interface board*

Electrical Enclosure (Mounts at Top of Hood)

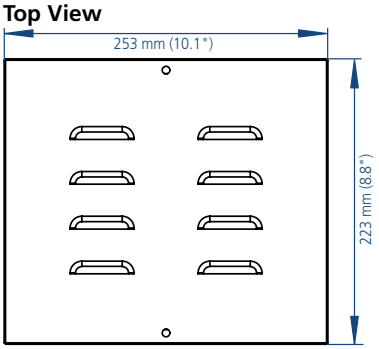
Front View



Back View



Top View



1. *Cable to user interface panel*
2. *Cable to airflow sensor*
3. *Main AC inlet*

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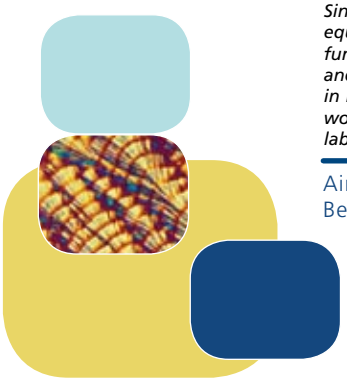

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