TEL

Airflow Monitor
AFA500

helping you create a safer environment in your workplace
a breath of fresh air.....

AFA500 Series Airflow Monitors

General Description

The AFA500 series of airflow monitors and controls are designed to ensure the Safety of the users of:

FUME CUPBOARDS

FUME HOODS

BIOLOGICAL SAFETY CABINETS.

The AFA500 is an entry level airflow monitor that is designed for applications where airflow velocity indication is not required. The AFA500 is available with either a built in or remote unique airflow sensor that is used to measure Face Velocities or Duct Velocities. The sensor has no inherent drift and will provide stable readings over many years of operation without re-calibration.

AFA500

AFA500 Airflow monitor suitable for Standard airflow applications

- Audio visual airflow alarm with integral or remote Airflow sensor
- 2 Point or Alarm Point Capture Pushbutton calibration
- Low air alarm relay output
- Relay input for Night Setback to mute audible alarm
- Relay input for Sash High alarm
- Permanent or momentary alarm mute

AFA500/BSC

AFA500 BSC Airflow monitor suitable for Bio Safety Cabinets

- Audio visual airflow alarm with remote Airflow duct sensor
- Normal Flow capture calibration with pre set alarm point
- Low air alarm relay output
- Relay input for Night Setback to mute audible alarm
- Relay input for Visor Open alarm
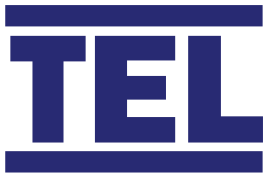- Permanent or momentary alarm mute

AFA500/PR

AFA500 PR Pressure monitor suitable for Pressure Monitoring

- Audio visual airflow alarm with volt free input from differential pressure switch
- No calibration required, alarm activates from volt free input contact
- Configurable alarm delay (with laptop using config manager software)
- Alarm relay output

AFA500 Series Specification

Specifications

	AFA500	AFA500/BSC	AFA500/PR
Alarm Range	0.15-2.00m/s (30-400fpm) Integral or remote SM6 Airflow sensor	0.15-10.00m/s (30-2000fpm) remote 12150 Airflow sensor	Differential Pressure switch range
Field Set up	Single or 2 Point calibration Alarm point Capture	Single Point Calibration Normal Airflow Capture	Preset - Field Calibration Not required
Accuracy	Velocity +/-5%	Velocity +/-5%	n/a
Airflow Sensor	Integral Airflow Sensor or remote SM6	12150 Duct Sensor	Differential Pressure Switch
Relay Output	1 Low Air Alarm	1 Low Air Alarm	1 Low Pressure Alarm
Low Air Alarm Delay	Fixed 5 Seconds	Fixed 5 Seconds	Adjustable (PC Software)
Relay Input	2- Sash High / Setback	2- Visor Open / Setback	1-LowPressure
Com Port	RS485 Monitor Configuration only	RS485 Monitor Configuration only	RS485 Monitor Configuration only
Sash High Alarm	Yes with alarm repeat	Yes with alarm repeat	n/a
Night Setback	Yes – relay input	Yes – relay input	n/a
Display	2 x LED's (Safe/Alarm)	2 x LED's (Safe/Alarm)	2 x LED's (Safe/Alarm)
Alarm Indication	Red LED with Audible alarm	Red LED with Audible alarm	Red LED with Audible alarm
Horn Silence	Temporary or Permanent	Temporary or Permanent	Temporary
Mounting	Fully flush (Mk2) Semi flush (Mk3)	Fully flush (Mk2) Semi flush (Mk3)	Semi flush (Mk3)
Monitor Operating Temperature range	13-30°C 55-86°F	13-30°C 55-86°F	13-30°C 55-86°F
Airflow sensor Operating temperature	15-25°C 59-77°F	15-50°C 59-122°F	n/a
Airflow sensor Working temperature	Ambient +25°C/77°F	Ambient +50°C/122°F	n/a
Storage temperature	-40-65°C -40-150°F	-40-65°C -40-150°F	-40-65°C -40-150°F
Agency Listings	CE RoHS	CE RoHS	CE RoHS
Hazardous Area (Remote Airflow sensor or pressure switch)	Gas group IIC Temp Class T6 With Atex certified I.S Zener Barriers	Gas group IIC Temp Class T6 With Atex certified I.S Zener Barriers	Gas group IIC Temp Class T6 With Atex certified I.S Zener Barriers

www.tel-uk.com