

The detector AW-FD708EX combines the three infrared band sensor and advanced flame analysis technology, to eliminate false alarm and improve detection range, and can apply to most commonplace (Pipeline, Electrostatic Paint, Printing, Warehousing and etc).



Performance

Features

- ✓ Reliable fault diagnosis
- ✓ Built-in high-speed, low-power, high-performance 32-bit high-precision data processing chip;
- ✓ Adopt patented narrow band current infrared pyroelectric sensor;
- ✓ A small fire can be detected earlier;
- ✓ The perfect algorithm best combines flame detection and false alarm capabilities;
- ✓ The detector is suitable for a variety of fuels;
- ✓ It's suitable for heavy industrial applications;
- ✓ It's low maintenance cost and easy to update and improve.

Detection Range	Fire Source and Size		Details
Maximum Distance	N-Heptane	0.3x0.3m	40m
	Gasoline	0.3x0.3m	35m
	Diesel	0.3x0.3m	35m
	Alcohol	0.3x0.3m	30m
	Kerosene	0.3x0.3m	35m
	Methane	0.5x0.2m	30m
	Paper	0.3x0.3m	30m
Respond Time	N-Heptane		<10s

Technical Specification

Model	AW-FD708EX
Main Voltage	18 to 30VDC Volts
Operating current (Relay Out) (Current Loop Out)	Monitor: $\leq 25\text{mA}$ Alarm: $\leq 35\text{mA}$ Monitor: $\leq 30\text{mA}$ Alarm: $\leq 45\text{mA}$
Maximum Detection Angle and Range	90° 40m
Relay Output	Fault, Fire Alarm
Current Loop Out	Fault: $\leq 2\text{mA}$ Normal:5mA Alarm:15mA
Spectral range	IR:3.8~5.0 μM
Explosion-proof certification	Exd II C T6 Gb/tD A21 IP66/IP67 T80°C
Protection class	IP66 IP67
Indicator light	Three (Fire,Fault,Normal)
Reset method	Power off reset, Communication protocol reset, Remote control reset
Environmental	Temperature range: -40 to 85°C Humidity: 0 to 96% RH, non-condensing can withstand 100% condensation humidity for a short time
Materials and colors	Cast aluminum, baking varnish on the surface (the coating with insulating layer), Red
Electrical Interface	1 × 3/4NPT 、 M25*1.5 、 G3/4 (Adapters can be customized according to requirements)
Size	120mm* 95mm* 85mm
Weight	about 0.7kg