Triple IR EX Flame Detector

Summary

The detector FD708EX combines three infrared band sensors and advanced flame analysis technology, to eliminate false alarm and improve detection range. All this in a neatly packaged EX enclosure resulting in a ExdIIC T6 Gb/tD certified device. Flame detectors are used in some of the most challenging environments to give early warning of fires with a variety of flame characteristics.

N-Heptane 0.3 x 0.3m upto 40m

Gasoline 0.3m x 0.3m upto 35m

Diesel 0.3m x 0.3m upto 35m

Alcohol 0.3m x 0.3m upto 30m

Kerosene 0.3m x 0.3m upto 35m

Methane 0.5m x 0.2m upto 30m

Paper 0.3m x 0.3m upto 30m

Key Points

- Reliable fault diagnosis, built-in high-speed, low-power, high-performance 32-bit high-precision data processing chip
- A patented narrow band current infrared pyroelectric sensor
- Small fires can be detected earlier
- Algorithm best combines flame detection and false alarm capabilities
- The detector is suitable for a variety of flame characteristics
- It's suitable for both commercial and heavy industrial applications
- Easy and low cost to maintain

Technical Specification	
Operating Voltage	24Vdc
Operating Voltage Range	18Vdc to 30Vdc
Operating Current - Standby	<25mA
Operating Current – In Fire Condition	<35mA
Maximum Detection Angle	90° 40m
Spectral Range	IR:3.8~5.ouM
Relay Outputs	(2) Fire and Fault
Operating Current – In Fault Condition	Fault <2mA	Normal 5mA	15mA
Esplosion-proof certification	ExdIIC T6 Gb/tD A21 IP66/IP67 T80°C
Operating Environment - Temperature	-40°C to 85°C
Operating Environment – Relative Humidity	0 to 96% non-condensing
IP Rating	IP66
Indicator Lights	Three (Fire, Fault, Normal)
Remote Reset	Momentary Power Off
Dimensions	120mm x 95mm x 85mm
Cable Entry	M25*1.5
Weight	0.7Kg