

The detector AW-FD707EX combines the latest ultraviolet and dual infrared detection technologies to provide fast, accurate and reliable fire detection, and the patented signal processing algorithm can eliminate false alarm to against wrong light sources, which means it applies to most environment places (Refinery, Loading Rack and Aerosol Fill etc).

The UVIR2 flame detector uses a new narrow-band current infrared pyroelectric sensor and the R2868 "sunlight blind" ultraviolet photoelectric sensor from Hamamatsu Photonics Co., Ltd., with a built-in 32-bit microprocessor and patented composite signal processing algorithm.

KF715/UVIR2 flame detectors are smaller in size, lighter in weight, and easier to install.



Features

- ✓ Extended detection range
- ✓ Adjustable high sensitivity
- ✓ More Flexible and Compatible
- ✓ Easy Installation
- ✓ Reliable fault diagnosis
- ✓ Built-in high-speed, low-power, high-performance 32-bit high-precision data processing chip.
- ✓ Using patented narrow-band current type infrared pyroelectric sensor and fast response ultraviolet optical sensor combined detection
- ✓ Detection distance 40 meters (0.33m*0.33m*0.05m n-heptane fire)
- ✓ The detector is suitable for a variety of fuels
- ✓ Suitable for heavy industrial applications
- ✓ Low maintenance cost, easy to update and improve
- ✓ A small fire can be detected earlier.

Performance

Detection Range	Fire Source and Size		Details
Maximum Distance	N-Heptane	0.1m ² Fire plate	40m
	Gasoline		35m
	Diesel		35m
	Kerosene		35m
	Alcohol		30m
	Paper		30m
	Methane		H=0.5m W=0.3m
Respond Time	N-Heptane	0.3*0.3m ²	<10s

Technical Specification

Model	AW-FD707EX		
Main Voltage	18 to 30VDC Volts		
Operating current(Relay Out) (Current Loop Out)	Monitor:	25mA	Alarm: 35mA
	Monitor:	30mA	Alarm: 45mA
Maximum Detection Angle and Range	120° 40m		
Relay Out	Fault, Fire Alarm		
Current Loop Out	Fault:<2mA	Normal:5mA	Alarm:15mA
Spectrum Range	UV 185-260nm	IR 4.3-5.0μm	
Ex-Atex Protection Level	Exd II C T6 Gb/tD A21 IP66 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 70°C (-40~158°F) Humidity: 0 to 96% RH, non-condensing		
Materials and colors	Cast Aluminum, The coating is an insulating layer, corrosion-resistant, Red		
Electrical Interface	1×3/4NPT,G3/4,M25*1.5 optional		
Size	120mm* 95mm* 85mm		
Weight	about 0.7kg		
Design standard	GB15631-2008 "Special Fire Detector",GB 12791-2006 "Point Type Ultraviolet Flame Detector", GB3836 "Explosive Environment"		