



Reduce false alarms while protecting people, productivity and profits at flammable industrial sites.

FD Series Triple IR



Reliable Operation

- Three infrared sensors precisely tuned to identify flame source radiation
- 90° field of view
- Fast response times at all sensitivity settings

Easy to Use

- Automatic visual integrity testing technology continuously checks optical surfaces for contaminants while verifying functionality of the sensors and circuitry

Durable Housing

- Stainless steel option for harsh environments

Versatile Design

- Global certifications for hazardous indoor and outdoor applications

Advanced Technology

- Proprietary automatic digital zoom feature — advanced flame source identification/detection
- No external reflector — greatly reduces faults and maintenance costs

Serious risks to personnel and property are always present at industrial facilities that store, transport and process flammable or explosive gases. Automatic flame detection must be initiated within seconds whenever a fire ignites. The FD Series Triple IR flame detector provides reliable, instantaneous flame detection response, considerably reducing false alarms.



Advanced technologies reduce maintenance costs and provide rock-solid performance in any environment. Three discrete infrared sensors are precisely tuned to infrared wavelengths with dynamic differences in absolute amplitude, relative amplitude, flicker frequency, phase relationship and bandwidth of energy emitted by typical fires, whether small, gradually expanding fires or massive, instantaneous explosions. Unexpected bursts of thermal energy, reflections of hot equipment or heavy rain and snow can cause other flame detectors to ignore actual fire, cause false alarms or go into a fault condition.

Automatic digital zoom (ADZ) technology precisely and reliably identifies a broad spectrum of flame types and sizes while minimizing false alarms. ADZ provides accurate detection of small and massive flames in the most difficult working situations where other detectors fail.

The FD Series Triple IR is the only flame detector on the market that does not have an external reflector or light source. External reflectors and light sources often become obscured by industrial dirt and corrosion which cause unwanted fault alarms that requires difficult and costly maintenance to correct. The FD Series Triple IR flame detector completely eliminates these issues in applications where salt, dust, petroleum vapor, heavy rain and snow or blowing sand are present.

FD Series Single UV



Reliable Operation

- Does not react to incandescent or fluorescent lighting, heaters or sunlight
- False alarms are virtually eliminated
- Wide coverage per detector
- 120° field of view

Cost Effective

- Reduces maintenance tasks

Easy to Use

- Simplified installation and alignment
- Flexible installation
- User programmable sensitivity and time delay settings
- Adjustable, no-tool swivel mount

Durable Housing

- Tolerant to high temperatures and humidity levels

Versatile Design

- Connect indoors or out, directly or up to 2000 feet away
- Multiple output configurations available
- Suitable for hazardous locations
- Adapt to different locations, conditions and activities
- Connect to a wide variety of equipment

Reduce false alarms with the FD Series Single UV flame detector. A precisely tuned spectrum of radiation must be recognized and confirmed by the advanced UV sensor to initiate a fire condition, yet it is immune to incandescent or fluorescent lighting, heaters or sunlight.



The FD Series Single UV (ultra-violet) flame detector delivers high performance detection designed to meet the strict industry performance requirements. The FD Series Single UV is designed for simple installation and lower maintenance costs while delivering superior safety performance.

Enclosed in a rugged, explosion-proof housing, the FD Series Single UV uses the latest in microprocessor and UV sensor technology. Versatile configurations and user-defined settings make the FD Series Single UV flame detector ideal for a wide variety of applications. Built-in testing routines ensure continuous, round the clock protection for facilities.

FD Series UV/IR



Reliable Operation

- 120° field of view
- Two radiation wavelengths necessary for alarm — minimize false alarm events from lightning, welding, sunlight and radiation
- Manual and automatic testing of optical surfaces — monitors internal electronics
- Operating Range of -50°C to +75°C
- 3-year electronics and 2-year sensor warranty

Easy to Use

- Compact and lightweight for ease of installation
- Fully adjustable swivel mount is included
- User-defined sensitivity and time delay settings
- Built-in testing routines ensure continuous operation

Durable Housing

- Rugged, explosion-proof housing
- Stainless steel option ideal for harsh environments

Versatile Design

- Stand-alone operation or can be connected to a variety of control devices to create a dependable fire monitoring system

Get the protection you need and trust. Protect your site and personnel with the FD Series UV/IR flame detector. Two spectrums of radiation must be recognized and confirmed by precisely tuned sensors for the detector to initiate a fire condition, which greatly reduces false alarms.



The detector reacts to both UV and IR flame radiation delivering accurate and reliable fire monitoring, yet is immune to arc welding, hot body radiation, lightning or sunlight.

Enclosed in a rugged, explosion-proof housing, the FD Series UV/IR uses the latest in modular microprocessor and UV/IR sensor technology. Capable of stand-alone operation or can be connected to a variety of control devices to create a dependable fire monitoring system. User-defined sensitivity and time delay settings combine with built-in testing routines to ensure continuous, reliable operation.

Please Note:

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Find out more

www.honeywellanalytics.com

Contact Honeywell Analytics:

Americas

Honeywell Analytics, Inc.
405 Barclay Blvd.
Lincolnshire, IL 60069
USA

Tel: 847.955.8200
Toll-free: 800.538.0363
Fax: 847.955.8210
detectgas@honeywell.com

Technical Services

ha.service@honeywell.com

www.honeywell.com

Canada

Honeywell Analytics
4006 Matte Blvd., Unit G
Brossard, QC, Canada
J4Y 2P4
Toll-free: 800.563.2967
Tel: 450.619.2450
Fax: 888.967.9938
detectgas@honeywell.com

Europe, Middle East, Africa

Life Safety Distribution AG
Weiherallee 11a
CH-8610 Uster
Switzerland
Tel: +41 (0)44.943.4300
Fax: +41 (0)44.943.4398
gasdetection@honeywell.com

Asia Pacific

Honeywell Analytics, Asia Pacific
#508, Kolon Science Valley (1)
187-10 Guro-Dong, Guro-Gu
Seoul, 152-050
Korea
Tel: +82 (0)2.2025.0307
Fax: +82 (0)2.2025.0329
analytics.ap@honeywell.com

Honeywell