SAFE Flame™

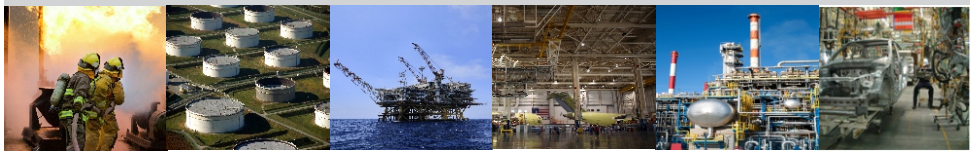
FM APPROVED

CE

KFI

ATEX

UV/IR and IR3 Flame Detectors



Flame Detectors

- Fast Response
- Fast Response
- Low Maintenance

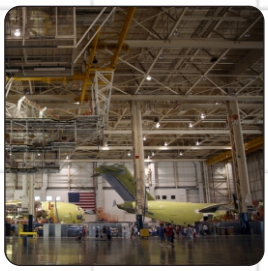
Flame Detection

Flame Detection

Today's modern industrial environments require the latest technology in detecting fires in order to safeguard their facilities. Safe Fire Detection's advanced flame detectors come in two types, UV/IR and IR3 to better protect these environments.

The SafeFlame UV/IR flame detector uses an ultra high signal to noise ratio UV sensor and a separate IR sensor to offer superior flame detection. The UV sensor offers superior sensitivity while the IR sensor ensures resistance to false alarms. The SafeFlame Triple IR (IR3) flame detector compares three specific wave length bands within the IR spectral range of a fire. This offers fast response without fear of typical false alarms.

In addition to the latest technology, both SafeFlame detectors offer high sensitivity, fast response, long range, wide field of view and are available in both aluminum and explosion proof stainless steel all for the lowest cost available.



Fast Response

Long Range

Lowest Cost

SAFE Flame™

Optical Flame Detector

False Alarm Immunity

High Sensitivity

Low Maintenance

- Hangers
- Pipelines
- Paper Mills
- Fuel Storage
- Oil Refineries
- Combustion Turbines

- Engine Rooms
- Gas Compressors
- Automotive Plants
- Off Shore Platforms
- LNG and CNG Storage
- Coal Processing Plants

- High Sensitivity
- Long Range
- 90° Field of View

Advanced Technology and Features

SAFE Flame™

Triple IR

UV/IR

- High Sensitivity
- Coverage: Up to 200ft(60m)
- Long Range Detection
- Multiple Sensitivity Levels
- "Auto" Commissioning
- Self Testing
- Fast Response (3-5 secs)
- 90° Field of View
- Water and Dust Tight
- Available in Standard and Explosion Proof

Standard 5 Year Warranty

Pyroelectric and Photoelectric Technology

Pyroelectric Infrared sensors, as in an IR3 detector, convert the changes in incoming infrared light caused by the flames of a fire into electric signals. Pyroelectric materials are characterized by having spontaneous electric polarization, which is altered by temperature changes as infrared light illuminates the elements. Photoelectric sensors, as in a UV/IR detectors, constantly monitor the flow of electrons in the Ultraviolet spectrum. Both of these advanced technologies are available standard in SafeFlame detectors.