

# TALK SAFETY WITH US

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## MULTI SPECTRUM IR FLAME DETECTOR

Designed for hazardous industries where fast fire detection is critical and nuisance alarms are not an option.



The **MICROPACK FDS303** is an explosion proof multi spectrum IR flame detector. The device delivers superior performance, responding to hydrocarbon liquid fuel and gas fires at long distances.

The FDS303 has been independently tested to demonstrate it can detect a hydrocarbon fuel pan fire at nearly 200 feet in less than 5 seconds.

## DESCRIPTION

### Multi Spectrum IR Flame Detector

The FDS303 complements the CD-F 300 and CD-F 301 Visual Flame Detectors by delivering superior performance in the detection of hydrocarbon fires which are not detectable in the visible spectrum. The FDS303 utilizes the latest IR flame detection algorithms to ensure maximum false alarm immunity.

## APPLICATIONS

Typical applications include:

- + On/Offshore Oil and Gas Processing Facilities
- + Refineries
- + Petrochemical Plants
- + Chemical Facilities
- + Pharmaceutical
- + Aircraft Hangars
- + Road Tunnels
- + Power Generation
- + Tank Farms
- + Road & Rail Loading Racks
- + LNG / LPG
- + Warehouses/ Storage Areas
- + Waste Recycling/ Biomass Plants
- + Printing Industry

## FEATURES AND BENEFITS

- + Multi Spectrum IR design delivers long detection distances and enhanced false alarm immunity
- + Continuous optical test, without a reflector
- + Verifies operation and improves device up-time
- + Microprocessor controlled heated optics
- + Maintains operation in harsh weather conditions (snow, ice, condensation)
- + International hazardous area approvals
- + FM / ATEX / IEC Ex
- + Certified performance testing to multiple fuels
- + FM 3260
- + EN 54-10
- + Adjustable sensitivity levels
- + For application flexibility
- + Ensure detectors do not cross vote
- + External testing with a long-range flame simulator
- + Minimizes the need for scaffolding
- + Easy integration using industry standard outputs:
- + Alarm and Fault Relays
- + 0-20mA
- + HART®, as standard (Only for configuration)
- + Certified SIL 2 capable
- + Worldwide marine approvals
- + 5 year warranty

### SWEDEN

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When Safety Matters