

INDUSTRIAL FIXED

FS24X Plus

Triple IR Flame Detector

Overview



Feedback

The FS24X Plus is a triple IR flame detector using Honeywell's WideBand IR™ infrared technology to detect hydrocarbon and hydrogen fires quickly and reliably – before they grow – even in the presence of environmental inhibitors like rain, fog, and smoke.

Designed for hazardous locations, the FS24X Plus has several marine certifications and is SIL2 rated for safety instrumented system applications.

Features & Benefits:

- Reliable Detection
- Fast response to a wide range of hydrocarbon and hydrogen fires even in low visibility conditions
- Advanced diagnostics including window clarity to maintain site protection Easy to Use
- Sunshade and standard or marine mounting bracket included for quickly and easily positioning the detector in an optimal location.
- Powerful FlameManager software replaces legacy dip switches for detector configuration and provides simplified diagnostics and post event FirePics™.

At a Glance Instrument Status

- High Visibility, Multi Color LED HALO ring provides clear indication of device status from up to 50ft (15m) away, even in bright outdoor environments

Quick Specs:

- Long-range, wide-angle sensors detect fires at 200ft (60m) for 1ft² (0.1m²) n-Heptane
- Multiple outputs including 4–20mA, Relays, HART®, and Modbus communication all standard
- Responds to a wide range of hydrocarbon fires such as n-Heptane, Methane, Butane, Propane, Ethanol, Methanol, Diesel, Kerosene, JP-4, and IPA as well as Hydrogen
- Speed of response typically 5 seconds

Even the best products deserve expert maintenance!

Elevate your gas detectors' potential with Honeywell's expert maintenance services! Maximize uptime, eliminate costs, and ensure on-time, on-budget project completion.

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Specifications

BRAND

Brand

- Honeywell

DIMENSION & WEIGHT

Weight range

- Aluminum: 1.7 kg (3.7 lbs), Stainless Steel: 3.4 kg (7.4 lbs)

RANGE

Humidity Range

- 0-99%
- 0-99% relative humidity

ANALOG

Analog Output Signal Type

- 4-20mA standard

Number of Analog Outputs

- 1

CERTIFICATIONS

Certifications - Performance

- EN54-10: Class1 (Medium, High, Very High Sensitivities), Class 2 (Low Sensitivity)
- FM3260

Certifications - Hazloc

- ATEX: II 2 G Ex db IIC T5 Gb; II 2 D Ex tb IIIC T135° C Db IP66/67;
- CCC - Pending
- CUTR - Pending
- IECEX: Ex db IIC T5 Gb; Ex tb IIIC T135° C Db IP66/67;
- INMETRO
- cFMus: Class I, Div 1, Grps A,B,C,D; Class II/III, Div 1, Grps E,F,G NEMA 4X

Certifications - Other

- IEC61508 SIL 2 Certified by TUV Sud
- Maritime Type approved to ABS, Lloyds, BV, DNV

CONNECTOR

Connector Type

- 2 x M25 or 2 x 3/4" NPT Entries

DATALOGGING

Datalogging

- 5000 events and ten 30-second FirePics™

FEATURES & BENEFITS

Features

- High-visibility halo light ring
- Modbus, HART®, 4-20 mA, Relays Standard
- Mounting bracket and sunshade included
- Multiple marine certifications
- Proved triple IR sensor technology

Benefits

- Calibration free
- Easy installation and commissioning
- Robust false alarm avoidance
- Simple maintenance
- Superior performance in adverse weather conditions (through smoke, rain, mist and fog)

MATERIAL

Material

- 316 Stainless Steel
- Low Copper Aluminum with Marine Grade Paint

RELAY

Relay Output Configuration

- Alarm, Fault, and Auxiliary

Relay Activation Settings

- Single Pole Double Throw (SPDT)

Relay Rated Load

- 2A at 32 VDC

Relay Included

- Yes

SENSOR

Sensing Method

- Triple IR

VOLTAGE & CURRENT

Operating Current

- 1.8 Watts (Nominal)
- 12 Watts (max) = with heater ON 100% duty cycle.
- 2.4 Watts (Alarm)

ADDITIONAL SPECIFICATIONS

Number of Relay Outputs

- 3

Ingress Protection

- IP66/67

Visual Indicators

- LED halo light ring - Green, Yellow, Red

Replacement Parts

- FS24XP-PUCK

Response Time

- Typically, 5 Seconds and a maximum of 10 Seconds

NEMA Rating

- Type 4X

Feedback

Alternative Products



[FS20X Flame Detector](#)

[FS20X Flame Detector](#)



[FS24X Flame Detector](#)

[FS24X Flame Detector](#)



[FSL100 Flame Detectors](#)

[FSL100 Flame Detectors](#)

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