



ISO 9001: 2000
Certified

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Detcon Model FP-424C

Combustible Gas Sensor

Matched Pair Catalytic Bead

(order by part number 964-525420-100)



Specifications

Sensor Type

Matched-pair catalytic bead

Measurement Range

0-100% LEL (lower explosive limit)
Combustible Gas

Accuracy/Repeatability

±3% 0-50% LEL
±5% 50-100% LEL

Response/Clearing Time

T50 <10 seconds
T90 <30 seconds

Zero Drift

<5% per year

Operating Temperature Range

-40°F to +167°F; -40°C to +75°C

Operating Humidity Range

0-99% RH non-condensing

Outputs

Linear 4-20 mA DC

Input Voltage

11.5-28 VDC

Power Consumption

2.1 watts @ 24 VDC

Electrical Classification

Explosion proof
Class I, Division 1, Groups B, C, D

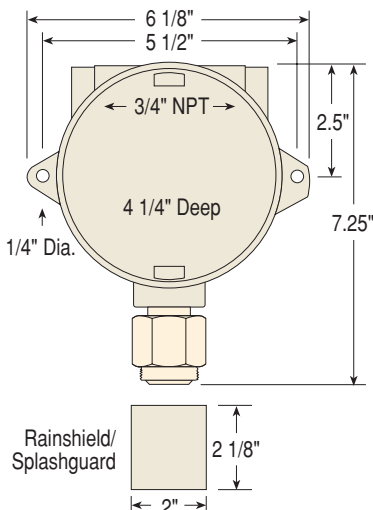
Safety Approvals

CSA and UL Approved

Sensor Life/Warranty

Sensor: 2 year warranty
Transmitter: 2 year warranty

Dimensions



Standard 4-20 mA Output

Description

Detcon Model FP-424C sensors are designed to detect and monitor Combustible Gas in air over the range of 0-100% LEL (lower explosive limit).

The sensor assembly consists of a matched-pair catalytic bead sensor in a stainless steel housing, a plug-in control transmitter circuit, a base connector board and an explosion proof enclosure.

Features

- ☞ CSA and UL Approved: Class I, Division 1, Groups B, C, & D
- ☞ Plug-in field-replaceable transmitter and sensor
- ☞ Integral sensor fault diagnostics
- ☞ Long sensor life expectancy: averaging longer than five years in harsh offshore drilling/production environment
- ☞ High resistance to poisons such as sulfides, chlorides, silicon-based contaminants etc.
- ☞ Low power consumption (less than 3.5 watts versus 8+ watts on competitive brands)

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