

DETECTION - STAND ALONE SERIES FDS-SA

The FDS (Fume Detection System) is a product that has many years of research and innovative technological development. The FDS is an advanced microprocessor-based system featuring a high quality stand alone controller, a unique high-tech enclosure, and all the necessary characteristics to provide continuous, effective, and fully integrated monitoring of toxic and combustible gases.

CHARACTERISTICS:

Two Alarm Levels
8-Step Led Display
High/Low DPDT Alarm Relays
Audio/Visual Alarms
Programmable Time Delays
Quick Self-Test & Warm-up

Calibration Status Warning
Innovative & Attractive Case Design
Simple Installation & Operation
Easy Field Verification
Remote Sensor Configuration Option
High Cost Effectiveness

TECHNICAL DATA:

Dimensions: 8.09" (H) x 5.97" (W) x 2.65" (D)
Power Requirements: 24 Vac nominal (17-27 VAC), 50-60 Hz,
0.4A: 24 Vdc nominal (20-38 Vdc)
Optional Main AC input: 120 Vac nominal, +/- -10% (with on board transformer)
Relay out put: 2 DPDT relays, 5A @ 30 Vdc
Communications: 4-20mA
Operating Environment: Commercial, Indoor, Extreme Temperature Environments
Operating Temperatures: NO₂: -40 F to 122 F; CO: -40 F to 122 F
Sensor Type: Electrochemical cell (CO, NO₂)
Display: 8 character, 2 line backlit LCD
Visual Indicators: Green LED: power
Amber LED 1: Alarm/Fault
Amber LED 2: Alarm/Fault
Audible Alarm: -85dBA @ 3 m (10-ft.)
Accuracy: +/- 3% of full scale @ 25C
Application: FDS-SA-CO: Detection of Carbon Monoxide Fumes from Gas Powered Vehicles
FDS-SA-NO₂: Detection of Nitrogen Dioxide Fumes from Diesel Powered Vehicles

