

## 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:**

**Power Requirements:**

**Optional Main AC input:**

**Relay out put:**

**Communications:**

**Operating Environment:**

**Operating Temperatures:**

**Sensor Type:**

**Display:**

**Visual Indicators:**

**Audible Alarm:**

**Accuracy:**

**Application:**

8.09" (H) x 5.97" (W) x 2.65" (D)

24 Vac nominal (17-27 VAC), 50-60 Hz,  
0.4A: 24 Vda nominal (20-38 Vdc)

120 Vac nominal, +/- -10% (with on board  
transformer)

2 DPDT relays, 5A @ 30 Vdc

4-20mA

Commercial, Indoor, Extreme Temperature  
Environments

NO<sub>2</sub>: -4 F to 122 F; CO: -4 F to 122 F

Electrochemical cell (CO, NO<sub>2</sub>)

8 character, 2 line backlit LCD

Green LED: power

Amber LED 1: Alarm/Fault

Amber LED 2: Alarm/Fault

-85dBA @ 3 m (10-ft.)

+/- 3% of full scale @ 25C

FDS-SA-CO: Detection of Carbon Monoxide Fumes from Gas Powered Vehicles

FDS-SA-NO<sub>2</sub>: Detection of Nitrogen Dioxide Fumes from Diesel Powered Vehicles

