

**TECHNICAL
INFORMATION**

In the interest of continuing product improvement,
we reserve the right to change models,
specifications, and/or features without prejudice.

PROJECT: _____
LOCATION: _____
ARCHITECT: _____
ENGINEER: _____
CONTRACTOR: _____
DATE: _____ SALES ENGINEER: _____

**DETECTION - REMOTE SENSOR - FOR USE WITH FDS-CS
SERIES CS-RS-CO, SERIES CS-RS-NO2, SERIES CS-RS-CH4**

The CS-RS is a product that has many years of research and innovative technological development. The CS-RS is an advanced microprocessor-based system featuring a high quality sensor, a unique high-tech enclosure, and all the necessary characteristics to provide continuous, effective, and fully integrated monitoring of toxic and combustible gases.



ACCESSORIES

CHARACTERISTICS:	
Two Alarm Levels	Calibration Status Warning
8-Step Led Display	Innovative & Attractive Case Design
High/Low DPDT Alarm Relays	Simple Installation & Operation
Audio/Visual Alarms	Easy Field Verification
Programmable Time Delays	Remote Sensor Configuration Option
Quick Self-Test & Warm-up	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 output:	2 DPDT relays, 5A @ 30 Vdc
Communications:	4-20mA
Operating Environment:	Commercial, Indoor, Extreme Temperature Environments
Operating Temperatures:	NO ₂ & CH ₄ : -40 F to 122 F; CO: -4 F to 122 F
Sensor Type:	Electrochemical cell (CO, NO ₂); catalytic (CH ₄)
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:	CS-RS-CO: Detection of Carbon Monoxide Fumes from Gas Powered Vehicles CS-RS-NO ₂ : Detection of Nitrogen Dioxide Fumes from Diesel Powered Vehicles CS-RS-CH ₄ : Detection of Methane Fumes from Natural Gas Powered Vehicles

Detected Gas	Relative Density (air = 1)	Installation Height	Coverage Radius
CO (Carbon Monoxide)	0.968	3-5 ft. from floor	50 feet unimpeded
NO ₂ (Nitrogen dioxide)	1.58 (cold)	1-3 ft. below ceiling	50 feet unimpeded
CH ₄ (Methane)	0.558	1 ft. below ceiling	20 feet unimpeded

* Verify compliance with Local & National codes is recommended. Please confirm if explosion proof sensors are required. Standard sensors are NOT explosion proof.

* Note: Shipped with a 24/110 volt transformer.
Transformer to be housed in an enclosure (by others).