Model SA-2N4

SAFEGUARD
A N A L Y T I C S

Gas Detection System
Toxic Gases - Oxygen Deficiency - Volatile Organic Compounds
Combustible Gases - Refrigerants

MODEL SA-2N4
1 to 2 Smart Sensor Modules

LOCAL ALARM ANNUNCIATORS
Optional Visual or Audio-Visual Alarms

HMI - COLOR LCD
Full Script User Interface

INSTALLATION OPTIONS
Wired, 915/868 MHz, LoRaWAN

ADDRESSABLE OUTPUT
MODBUS RTU

WEATHERPROOF ENCLOSURE
NEMA 4X Non-Hazardous Locations

Stand Alone Gas Detection System

Model SA-2N4 standalone gas detection systems are designed to detect and monitor a wide variety of gases in ambient air. System capacity is 1-2 Smart Sensor Modules. Detection is via diffusion. Gas type and range of sensitivity are determined by installing application specific Model SA1 smart sensor modules. User interface is via intuitive full script color LCD. System status is indicated by screen color; green normal no alarm condition, amber alert level 1, red alert level 2 and blue to indicate a fault condition. User interface is non-intrusive using a programming magnet and front panel push button switches. The system controller and the sensors are mounted in a rugged NEMA 4X weatherproof enclosure suitable for installation in non-hazardous locations.

Specifications[1]

System	
Detector Type	Model SA1 Smart Sensor Module
Detection Method	Diffusion
Indicator	Color LCD
User Interface	Magnet and front panel switches

Mechanical	
Mounting Dimensions	8.0" W, 10.0" H, 4.00" D
	203mm W, 254mm H, 101mm D

Warranty	
System Warranty	2 Years
Detector Warranty	Smart sensor dependent

Electrical	
Input Voltage Range	10 to 30 VDC
	90 to 240 AC
Power Consumption	2.5 - 10 watts (sensor dependent)
Serial Output	RS-485 MODBUS RTU
Alarm Relays	2 form "C", 5 amp contacts
Area Classification	Non-hazardous locations
	NEMA 4X weatherproof

Environmental	
Temperature Range	-40°C to +60°C; -40°F to 140°F
Humidity Range	15% to 95% RH non-condensing

[1] *Specifications subject to change without notice*
[2] *Visit www.safeguardanalytics.com for a full list of gas sensor options*