

Model SA-1N1

Single Sensor Transmitter

Toxic Gases - Oxygen Deficiency - Volatile Organic Compounds
Combustible Gases - Refrigerants

GAS DETECTION TRANSMITTER
Model SA1 Smart Sensor Modules

WEATHERPROOF ENCLOSURE
NEMA 4X Non-Hazardous Locations

POWER SUPPLY OPTIONS
10-30 VDC - Optional AC to DC Converter



LOCAL ALARM ANNUNCIATORS
Optional Alarm Relay and Micro Strobe

HMI STATUS INDICATOR
Multi-Color LED

4-20mA OUTPUT
Optional MODBUS RTU

Model SA-1N1 gas detectors are single sensor transmitters designed to detect and monitor any one of a wide variety of gases in ambient air. Detection is via diffusion. Gas type and range of sensitivity are determined by installing an application specific Model SA1 smart sensor module. A label on the transmitter cover is used to identify gas type and range of sensitivity. Sensor status is indicated via an LED; 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 or by using Safeguard's OpCheck application and an Android tablet or phone. The sensor-transmitter enclosure is rated NEMA 4X weatherproof.

Specifications¹

System

Detector Type²	Model SA1 Smart Sensor Module
Detection Method	Diffusion
Indicator	Front panel multi-color LED
User Interface	Magnet or OpCheck app

Mechanical

Mounting Dimensions	5.5" W, 5.25" H, 3.75" D 140mm W, 134mm H, 95mm D
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Warranty

Transmitter Warranty	2 Years
Detector Warranty	Smart sensor dependent

Electrical

Input Voltage Range	10 to 30 VDC (optional) 90 to 240 AC
Power Consumption	1- 5 watts (sensor dependent)
Signal Output	Linear 4-20 ma DC
Serial Output (optional)	RS-485 MODBUS RTU
Alarm Relays (optional)	3 form "C", 5 amp contacts
Area Classification	Non-hazardous locations

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 complete list of gas sensor options