

Model SA-1N4

Single Sensor Transmitter

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



Model SA-1N4 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. On power up smart sensors “auto config” with the transmitter. User interface is via a multi-color LCD featuring auto config of the installed Smart Sensor module. Intuitive full script user interface is non-intrusive using a programming magnet or by using Safeguard’s OpCheck application and an Android tablet or phone. The enclosure is high impact plastic suitable for installation in industrial locations. The transmitter enclosure and Smart Sensor housing are rated NEMA 4X weatherproof.

Specifications¹

System		Electrical	
Detector Type²	Model SA1 Smart Sensor Module	Input Voltage Range	10 to 30 VDC
Detection Method	Diffusion	(optional)	90 to 240 AC
Indicator	Front panel multi-color LED	Power Consumption	1- 5 watts (sensor dependent)
User Interface	Magnet or OpCheck app	Signal Output	Linear 4-20 ma DC
Mechanical		Serial Output (optional)	RS-485 MODBUS RTU
Mounting Dimensions	5.5” W, 8.25” H, 5.75” D 140mm W, 134mm H, 95mm D	Alarm Relays (optional)	3 form “C”, 5 amp contacts
Warranty		Area Classification	Non-hazardous locations
Transmitter Warranty	2 Years	Environmental	
Detector Warranty	Smart sensor dependent	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