SNC sierra monitor corporation

Model 200X Series Gas Sensor Monitors Model 2001 - Combustible Gas Model 2003 - Hydrogen Sulfide Model 2006 - Carbon Monoxide

The Model 200X Series are compact, solidstate, fixed-installation single alarm monitors designed for continuous area monitoring of Combustible Gas, Hydrogen Sulfide, or Carbon Monoxide.

The Model 200X Series consists of three separate gas monitors, Model 2001 for Combustibles Model 2003 Hydrogen Sulfide and Model 2006 for Carbon Monoxide. A red LED (light-emitting diode) and audible alarm activate when the concentration of gas exceeds the factoryset (and user-adjustable) level. A green LED indicator on the monitor shows that power is connected and it is a safe condition.

The standard configuration has a buzzer and normally operating open relay, a fail-safe normally operating closed relay is field selectable.

All the electronic circuitry needed to operate the monitor, except the DC input power, is contained in a compact unit. It may be mounted in any orientation. For a single-monitor installation and a local alarm, the accompanying AC-to-DC power supply may be plugged into a standard AC source. The monitors accept 9 - 24 VDC.

Features

- Self-check feature signals sensor failure
- Optional normally operating closed relay
- No chemical cells to replace, no periodic maintenace other than routine claibration
- All the electronic circuitry needed to operate the monitor contained compact unit, power suplly plugs into standard AC source

Semiconductor-Type Sensor

A solid-state semiconductor-type sensor and associated electronic circuitry ensure trouble-free, long-term operation. There are no pumps, filters or chemical cells to replace or maintain. Except periodic calibration to verify the alarm setting, no attention is required after installation. The user may adjust the alarm level by using a different calibration gas concentration.

A sensor self-check feature will flash the LEDs on and off alternatively and sound an interrupted tone as a warning should the sensor fail (open circuit).

Remote Alarm Available

If a remote alarm is desired, the Model 2102 Dual Channel Alarm Panel can be connected up to 500 feet from the monitors.

Benefits

- Reliable operation
- Fail-safe configuration
- Maintenance free operation
- Quick easy installation and connection to alarm panel



Model 2001 Combustibles Gas Monitor

The Model 2001 can detect a wide range of combustibles. Typical applications include combustible gas monitoring in basements near waste dumps, manhole, tanks, parking garages and vehicle maintenance facilities, laboratories, chemical plants, and more.

Model 2003 Hydrogen Sulfide Monitor

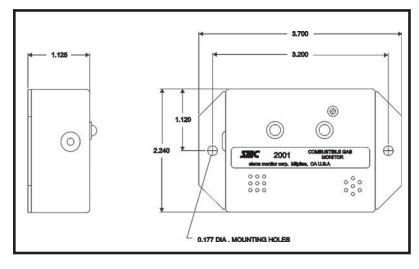
The Model 2003 can be used in such typical applications as waste water treatment plants, laboratories and chemical plants.

SPECIFICATIONS

Model 2006 Carbon Monoxide Monitor

The Model 2006 Carbon Monoxide Gas Sensor Module can be used to provide an early warning of CO accumulation in tanks, laboratories, chemical plants, parking garages, vehicle test facilities and more.

INDICATORS: Visual:	Green LED for Monitor "ON"/Safe Red LED for Alarm LEDs oscillate on/off for sensor failure	output:	0.5 AMP dry contact. 100 VDC, 130 VAC Nominal 5 volts DC, source 25 mA, SAFE and ALARM signals 70 dB buzer. TTL interface to Model 2102 Alarm Panel is user configurable.
Audible:	Sustained alarm tone for as long as gas is present. Interrupted tone or sensor failure.	RESPONSE TIME: Model 2001	Less than 30 seconds
SENSOR TYPE:	Solid-State Metal Oxide Semiconductor	Model 2003	Less than 60 seconds
RANGE; Model 2001	(at 50% relative humidity) 300-2,000 ppm Hydrogen	Model 2006	Less than 30 seconds
	500-10,000 ppm Methane	PERIODIC MAINTENANCE:	None, other than routine calibration
Model 2003	10-50 ppm Hydrogen Sulfide (H_2S)	OPERATING	
Model 2006	50-500 ppm Carbon Monoxide (CO)	TEMPERATURE RANGE:	-4°F to158°F -20°C to 70°C
FACTORY ALARM			
SETPOINT: Model 2001	1000 ppm Methane	ENCLOSURE MATERIAL:	Aluminum
Model 2003	50 ppm H_2S	SIZE:	3.7 x 2.2 x 1.1 in. (9.4 x 5.7 x 2.8 cm)
Model 2006	100 ppm CO	WEIGHT:	3.8 oz (108 g)
INPUT:	9 - 24VDC (±1V), 250 mA Plug-in 120 VAC AC/DC Power Supply is provided	APPROVAL:	UL 61010-1:2001 CSA-C22.2



ORDERING INFORMATION

Combustible Gas	2001-00
Hydrogen Sulfide	2003-00
Carbon Monoxide	2006-00



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