TOXIC AND COMBUSTIBLE GAS DETECTOR

6300 SERIES

NEW!

BACHARACH The Measurable Difference

DESCRIPTION

The **Bacharach 6300 Series or MGS-150 Gas Detector** is a standalone micro-processor-based system for continuous, effective monitoring of toxic and combustible gases. The **6300 Series** provides a 4-20 mA output in proportion to the level of gas present and relay output to activate additional horns, strobes, or ventilation systems. The modular design adds functionality. The unit features a built-in 85 dBA buzzer. the rugged polycarbonate housing is resistant to rust, corrosion, and dents.

The **6300 Series Gas Detector** is designed to be used as part of a control system that helps to prevent the formation of a hazardous environment when properly installed and maintained.

6300 Series Wall

CE

FEATURES

- ***Built-in 85 dBA buzzer***
- ***4-20 mA, 0-5/10V. 1-5V or 2-10V and relay outputs***
- ***Wide variety of gases detected***
- ***Wall or duct mount***
- ***Easy installation, commissioning, and operation***
- ***LED status indication***
- ***Gases detected: Carbon monoxide (CO), Nitrogen dioxide (NO2-diesel exhaust),***
- ***Oxygen (O2), Hydrogen Sulfide (H2S), Methane (CH4),***
- ***Propane (C3H8), Carbon dioxide (CO2), R134A Refrigent***

6300 Series Duct

SPECIFICATIONS

Supply Voltage	24 VAC @ 1.9 VA, 50/60 Hz; 24 VDC @ 80 mA
Signal Output	4-20 mA @ 1000Ω, 0-5V, 0-10V, 1-5V or 2-10V
Setpoint Range	POT on unit Fixed 5% of full scale 1-SPDT, 1A @24V Adjust POT 0-100% of measured range
Measurement Range(alarm)	
Methane, Propane	0-2000 ppm (1000 ppm)
CO,NH3	0-500 ppm (250 ppm)
NO2	0-10 ppm (4 ppm)
R134A, R410A	0-1000 ppm (500 ppm)
Oxygen	0-30% (19%)
Sensing Technology	
CO, NO2, O2	Electrochemical
NH3, R134A, R410A, Methane, Propane	Semiconductor
Calibration Interval	6 months
Life Expectancy	
CO, NO2, O2	2-5 years
NH3, R134A, Methane, Propane	5-8 years
Visual Indication	Green LED: power Red Alarm
Alarm Relay Output	SPDT, 1 A @ 24 VAC/VDC (5% DIF)
Alarm Auditory Levels [Db]	85 dBA @ 10 ft (3m)
Operating Temperature	-4° to 122°F (-20° to 50°C)
Operating Humidity	0 to 95% non-condensing
Dimensions	
Wall	3.4"H x 5.6"W x 2.1"D (8.6 x 14.2 x 5.3 cm)
Duct	5.1"H x 6.3"W x 3.5"D (13 x 16 x 9 cm)
Weight	
Wall	0.4 lb (0.2 Kg)
Duct	1.3 lb (0.6 Kg)
Approvals	CE
Warranty	1 year

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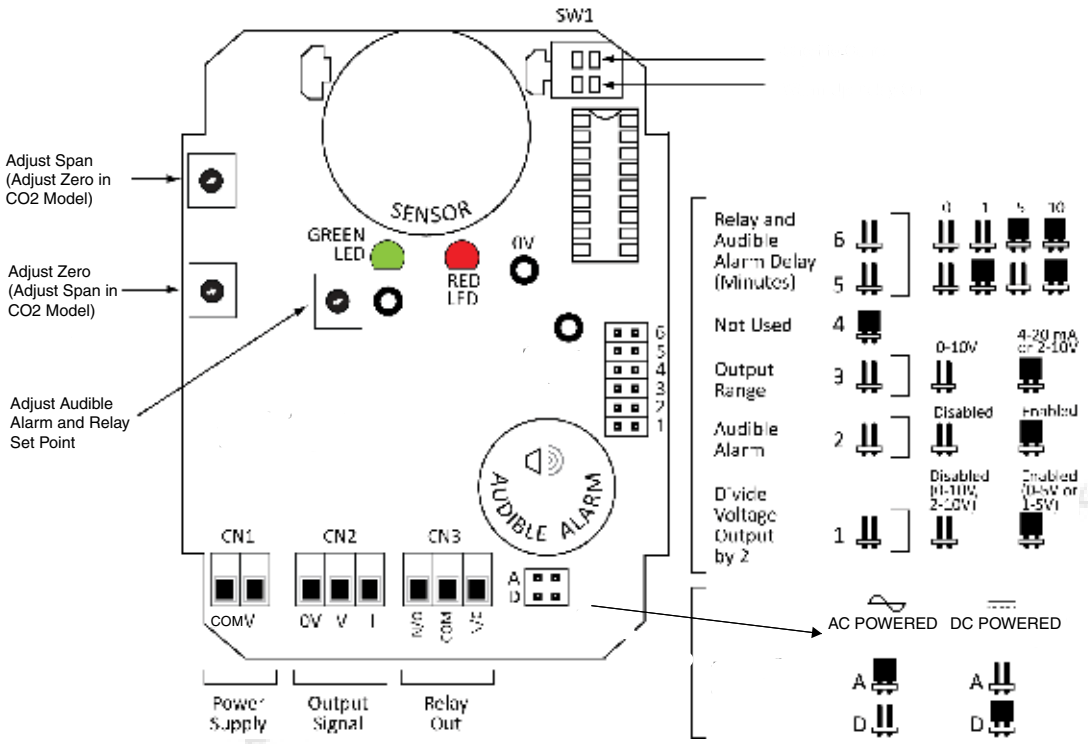
WIRING



ORDERING INFORMATION

MODEL	DESCRIPTION
6300-1107	R410A Refrigerant gas detector, wall mount
6300-1018	Carbon Monoxide (CO) gas detector, wall mount
6300-1019	Nitrogen Dioxide (NO2) gas detector, wall mount
6300-1101	R134A Refrigerant gas detector, wall mount
6300-1114	Methane (CH4) gas detector, wall mount
6300-1113	Propane (C3H8) gas detector, wall mount
6300-1109	R22 Refrigerant gas detector, wall mount
6300-1122	R123A Refrigerent gas detector, wall mount
6300-1003	Oxygen (O2) gas detector, wall mount
6300-8018	Carbon Monoxide (CO) gas detector, duct mount
6300-8031	Ammonia (NH3) gas detector, duct mount
6300-8019	Nitrogen Dioxide (NO2) gas detector, duct mount
6300-8101	R134A Refrigerant gas detector, duct mount
6300-8114	Methane (CH4) gas detector, duct mount
6300-8113	Propane (C3H8) gas detector, duct mount
6300-8122	R123A Refrigerant gas detector, duct mount
6300-8003	Oxygen (O2) gas detector, duct mount
6300-8109	R22 Refrigerant gas detector, duct mount
6300-8107	R410A Refrigerant gas detector, duct mount

Note: Use "F" at the end of model to include 1/2" NPT connection

RELATED PRODUCTS

DCPA-1.2	Power supply, 120 VAC In to 24 VAC/24 VDC Out
691-K0A	Control transformer, 120:24 VAC, 40 VA, Class 2
DCP-1.5-W	Power supply, 24 VAC IN to 24 VDC OUT