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Issue 11-10.1

MGD-100 Gas Detection System



Bacharach is proud to announce the expansion of its fixed monitoring product line with the introduction of the MGD-100 Gas Detection System. The MGD-100 family is a cost effective solution for detecting a variety of refrigerants as well as toxic, combustible and VOC gas leaks. These stand-alone systems offer alarming at one (1) or two (2) discrete alarm set points. On-board alarm LEDs indicate which sensor is in an alarm state while the audible alarm alerts personnel in the area that levels have exceeded the desired limit.

The MGD-100 utilizes a semiconductor sensor for the detection of ammonia, refrigerants, TVOCs, and combustible gases or an infrared sensor for the detection of carbon dioxide and combustible gases.

Gases Detected:

- Refrigerant Gases (CFC, HCFs, HCFCs)
- Carbon Dioxide (CO₂)
- Ammonia (NH₃)
- TVOCs
- Combustibles / Hydrocarbons

Product Features:

- Complete stand-alone system
- 1, 2, 4 and 6 sensor configurations
- Simple, non-obtrusive design
- On-board alarm LED indicators and audible alarm
- Optional housings including IP66 and specialized pressure relief vent
- Alarm relays for turning on fans, alarms or connecting to BMS system

Target Applications:

- Industrial or commercial chiller plants
- Grocery and convenience stores
- Food processing and storage
- Beverage facilities and wineries
- Arenas

World Headquarters 621 Hunt Valley Circle, New Kensington PA 15068-7074 USA

PHONE: +1 724-334-5000 | **FAX:** +1 724-334-5001 | **WEB:** www.MyBacharach.com | **E-MAIL:** help@MyBacharach.com

PRODUCT BULLETIN



MGD-100 Transmitters

61AB-CDEF

6	1	Sensors	\$USD Price	Voltage	\$USD Price	Sensor Housing	\$USD Price	Sensor	\$USD Price
		A		B		C	per # of sensors!	D, E & F	
		0 = 1 sensor, 1 alarm, SC	\$105.00	0 = 110 VAC	No charge	0 = Special	Consult factory	051 = IR, combustibles	\$585.00
		0 = 1 sensor, 1 alarm, IR	\$130.00	2 = 220 VAC	No charge	1 = Standard Housing	No charge	090 = CO2 IR, 0-5,000 ppm	\$585.00
		1 = 1 sensor, 2 alarms, SC	\$240.00	3 = 12 VDC	No charge	2 = IP 66	\$95.00	091 = CO2 IR, 0-10,000 ppm	\$585.00
		1 = 1 sensor, 2 alarms, IR	\$225.00	4 = 100 VAC	No charge	3 = IP 66 w/splash guard	\$120.00	092 = CO2 IR, 0-20,000 ppm	\$585.00
		2 = 2 sensors, 1 alarm, SC	\$260.00			4 = IP 66 w/remote sensor	\$120.00	093 = CO2 IR, 0-30,000 ppm	\$585.00
		2 = 2 sensors, 1 alarm, IR	\$580.00			5 = Exd - European Version	\$505.00	094 = CO2 IR, 0-50,000 ppm	\$585.00
		3 = 2 sensors, 2 alarms, SC	\$450.00			6 = Exd remote + IP66 (EU)	\$290.00	095 = CO2 IR, 0-100,000 ppm	\$585.00
		3 = 2 sensors, 2 alarms, IR	\$700.00			7 = PRV remote w/IP 66	\$95.00	101 = SC, R134a, 0-1,000 ppm	\$275.00
		4 = 4 sensors, 1 alarm, SC	\$770.00			8 = Airflow / duct mount - IP 66	\$80.00	103 = SC, R404a, 0-1,000ppm	\$275.00
		4 = 4 sensors, 1 alarm, IR	\$1,730.00	9 = Spare detector	Consult factory	9 = Remote sensor w/faceplate	\$60.00	105 = SC, R407a, 0-1,000ppm	\$275.00
		5 = 4 sensors, 2 alarms, SC	\$990.00					107 = SC, R410a, 0-1,000ppm	\$275.00
		5 = 4 sensors, 2 alarms, IR	\$1,870.00					109 = SC, R22, 0-1,000 ppm	\$275.00
		6 = 6 sensors, 1 alarm, SC	\$1,130.00					111 = SC, R507a, 0-1,000 ppm	\$275.00
		6 = 6 sensors, 1 alarm, IR	\$2,720.00					112 = SC, R600a, 0-2,000 ppm	\$275.00
		7 = 6 sensors, 2 alarms, SC	\$1,420.00					113 = SC, R290, 0-2,000 ppm	\$275.00
		7 = 6 sensors, 2 alarms, IR	\$2,895.00					114 = SC, CH4, 0-2,000 ppm	\$275.00
		8 = Special order	Consult factory					116 = SC, NH3, 0-1,000 ppm	\$275.00
		9 = Spare detector	Consult factory					117 = SC, NH3, 0-5,000 ppm	\$275.00
								118 = SC, NH3, 0-10,000 ppm	\$275.00
								119 = SC, H2, 0-2,000 ppm	\$275.00
								120 = SC, Ethylene, 0-2,000 ppm	\$275.00
								121 = SC, VOC, 0-2,000 ppm	\$275.00

If you have any questions regarding availability or product specifications, please contact a Customer Service Representative at 1-800-736-4666 or help@MyBacharach.com.

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