Alarm Rat
Single Point AC or DC Gas Alarm

Stand-Alone Monitor for Toxic and Oxygen Hazards

Self Contained - Simply Connect Power

FEATURES:

The Alarm Rat is the complete, stand-alone single-point monitor alarm system that's delivered ready for use. Full flexibility is built-in, change the gas sensed or the measuring range at any time. Equipped with **four relays to control** and activate remote alarms and other field interfaces.

△ Three alarm levels and power failure alarm

△ Four 15 amp SPDT normally energized relays

△ 101 dB siren and LED alarms

△ Modular engineered design provides the ultimate in flexibility. In the field, change the gas monitored and/or the measuring range, add a sensor separation kit or duct mount kit

△ AC and DC compatible, 4-20 mA output option

△ Failsafe calibration reset

△ Accurate, reliable performance

△ Exterior hinged door for non-intrusive calibration

△ Lower operating, maintenance and installation costs

Fixed Gas Monitoring Systems

Ordering Information

Monitor with Sensor, Digital Display, Relays, Audible/Visual Alarms

AR-PRX(#)-2D	O_2	AR-PRE(#)-2D	C_2H_4O
AR-PRH(#)-2D	H_2S	AR-PRY(#)-2D	H_2
AR-PRM(#)-2D	CO	AR-PRZ(#)-2D	HCN
AR-PRS(#)-2D	SO_2	AR-PRL(#)-2D	HCl
AR-PRA(#)-2D	NH_3	AR-PRN(#)-2D	NO
AR-PRC(#)-2D	Cl_2	AR-PRD(#)-2D	NO_2
AR-PRV(#)-2D	ClO_2		

Note: # = Measuring Range. To specify see table on back page.
          Change suffix to -3D (from -2D) for Alarm Rat with 4-20mA output

Accessories and Options

UA-SEP-K2	Sensor Separation Kit
UA-DUC-K2	Sensor Duct Mount Kit
UA-SEP-F5	Flue Vessel Mount Sensor Separation Unit
SG-CAL-1	Splash Guard/Remote Calibration Cup
PB-CAL-1	Process Baffle/Remote Calibration Cup

Replacement Sensors

PS-RX01....O_2	PS-RC01 ...Cl_2	PS-RZ01 ....HCN
PS-RH01 ...H_2S	PS-RV01 ...ClO_2	PS-RN01....NO
PS-RM01 ...CO	PS-RE01 ...C_2H_4O	PS-RD01....NO_2
PS-RS01....SO_2	PS-RY01 ...H_2	
PS-RA01....NH_3	PS-RL01....HCl	

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Alarm Rat

O$_2$, H$_2$S, CO, SO$_2$, NH$_3$, Cl$_2$,
ClO$_2$, C$_2$H$_4$O, H$_2$, HCl, HCN,
NO or NO$_2$

Stand-Alone Gas Monitor

The Alarm Rat, with all the features built-in, is delivered ready for use. Designed for easy operation, no special knowledge is required, simply plug in power.

With three alarm levels, you will be immediately warned of a gas hazard by the built-in visual and audible alarms. Simple slide switches are used to set alarm levels.

Dangerous levels of gas and/or a power failure activate four 15 amp, SPDT relays. These relays trigger remote alarms, control functions or other field interfaces.

The plug-in sensor and modular electronics make it simple to:

▲ Change the gas monitored
▲ Change the measuring range
▲ Add a Sensor Separation Kit

All sensors, including oxygen, have a two year warranty. With greater accuracy and a faster speed of response, the BW sensor provides increased reliability and early warning.

"INNOVATORS IN GAS DETECTION"

BW Technologies

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SPECIFICATIONS

MONITOR: Stand Alone Single Point Hazardous Gas Alarm
Power Input: 115 VAC and 24 VDC compatible (230 VAC optional)

SENSOR: Plug-in, gas specific, electrochemical cell
Humidity: 5 to 95% RH non-condensing
Operating Temperature: -25 to +30°C (-13 to +86°F) - Ammonia
-40 to +50°C (-40 to +122°F) - Hydrogen Sulfide
-20 to +50°C (-4 to +122°F) - Oxygen and other Toxics
Drift: Zero: Nominal   Span: <5% per year

Gas Monitoring Specifications	Detectable Accuracy	LCD Increments	Standard Measuring Ranges Available						
			Units	#=1	#=2	#=3	#=4	#=5	#=6
Oxygen	0.1 %	0.1%	%v/v	0-25.0%	0-30.0%				
Hydrogen Sulfide	0.25 ppm	1 ppm	ppm	0-100	0-50	0-500	0-20	0-30	
Carbon Monoxide	0.5 ppm	1 ppm	ppm	0-500	0-1000	0-100	0-50	0-200	0-600
Sulfur Dioxide	0.5 ppm	1 ppm	ppm	0-100	0-50	0-20	0-10		
Ammonia	0.5 ppm	1 ppm	ppm	0-50	0-100			0-150	
Chlorine	0.1 ppm	0.1 ppm*	ppm	0-5.0	0-10.0	0-100			
Chlorine Dioxide	0.01 ppm	0.01 ppm	ppm	0-5.00	0-1.00				
Ethylene Oxide	0.1 ppm	0.1 ppm*	ppm	0-10.0	0-20.0	0-100			
Hydrogen	1 ppm	1 ppm	ppm	0-100	0-200	0-800			
Hydrogen Chloride	0.1 ppm	0.1 ppm*	ppm	0-10.0	0-20.0	0-100			
Hydrogen Cyanide	0.1 ppm	0.1 ppm*	ppm	0-20.0	0-50.0	0-100			
Nitric Oxide	0.5 ppm	1 ppm	ppm	0-50	0-100				
Nitrogen Dioxide	0.1 ppm	0.1 ppm	ppm	0-10.0	0-20.0				

* NOTE: LCD Increments may vary according to the Measuring Range specified

DISPLAY: Large 3.5 digit backlit LCD readout module

ALARM: Three (3) user settable alarm Levels (Low, Mid, High)
Visual: Four (4) LEDs, color-coded (Power/ON: Low, Mid, High alarms)
Audible: High output fast pulsed siren 101 dB @ 3 ft. (1 m)

RELAYS: Four 15 amp SPDT normally energized (3-Gas Alarms, 1-Fault)

PHYSICAL: Size: 9.5 x 4.7 x 3 inches (24 x 12 x 7.5 cm)
Weight: 3.25 lbs. (1.5 kg)
Enclosure: Rugged, RFI/EMI shielded enclosure c/w 3 cable ports
Options: 4-20 mA output, Splash Guards, Process Baffles
Remote: Standard Sensor Separation Kit, Duct Mount Kit, Flue Vessel Mount

WARRANTY: 2 Year non-prorated warranty

DUE TO ONGOING RESEARCH AND PRODUCT IMPROVEMENT, SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

DESIGNED FOR: Ordinary Locations

1. Four 15 AMP SPDT relays
2. 101dB siren and large LED visual alarms
3. Three gas alarm levels and power failure alarm
4. Plug-in sensor and electronic modules increase flexibility
5. Easy installation and lower maintenance costs
6. Backlit large LCD display

The Complete Monitor
-delivered ready to use
-simply connect power

Locally distributed by: