

# Logic 915 Series

## Stand Alone Gas Detector



### Features

- Solid state or electrochemical sensors available with optional sensor remoting kit
- LED digital display
- Low, medium, high and fault relays (optional strobe and 100dB)
- Low, medium, high and fault alarm indicators
- RS-485 digital LAN and 4-20 mA analog (The 915 can interface with our 920 digital network controller as well as any PLC, DCS, datalogger or mechanical device.)
- NEMA 4 weatherproof enclosure with view window; optional NEMA 4x power coat or stainless steel
- 24 VDC power supply; optional 120/220 VAC
- One-button calibration

The IST Aim Logic 915 is a practical solution to the problem of testing a single site for multiple gases. The gas list available for the 915 includes a wide range of toxic and combustible gases, including semi-conductor hydrides with one PPB resolution. Single or multi-point available.

As a complete unit, the 915 Series is designed to be quickly mounted, calibrated and ready to go, with no peripheral equipment required.

know  
your air.™

Call for more information: 1-800-275-4246

## Specifications

Detection Method .....	Combustible gas .....	Solid state LEL
	Toxic gases .....	Electrochemical, Solid state
	Oxygen .....	Galvanic
Alarm .....	Visual indication and relay contacts for low, mid, high and fault	
Relay, Type and Rating .....	SPST: 8 Amps @ 250 VAC / SPST: 8 Amps @ 30 VDC	
Relay Operation .....	Selectable latching or non-latching Selectable normally energized or normally de-energized (except fault) Selectable alarm relay off delays Manual relay control	
Operating Voltage Options .....	24 VDC operating range 12 to 32 VDC 120 VAC 60 Hz 220 VAC 50/60 Hz	
Output (digital) .....	RS-485 LAN, maximum 4000 feet/68/ohms	
Output (analog) .....	4-20 mA (source type), max. 1000 ohm load at 24 VDC supply voltage	
Housing Construction Options .....	NEMA 12 or 4 powder coated steel enclosure NEMA 4X, 12 & 13 molded fiberglass NEMA 4X, 12 & 13 304 stainless steel	
Housing Dimensions .....	6" (H) x 9.5" (W) x 3.8" (D)	

## Gas Sensor Performance

Gas	Symbol	Standard Range	Resolution	Standard Alarm Points*
Combustible	THC	0-25% LEL	10% FS	10, 10, 10
Ammonia	NH <sub>3</sub>	0-100 PPM	1 PPM	25, 50, 75
Carbon Monoxide	CO	0-200 PPM	1 PPM	50, 75, 100
Carbon Dioxide	CO <sub>2</sub>	0-5% VOL	0.1%	.5, 1, 2
Hydrogen	H <sub>2</sub>	0-2000 PPM	10 PPM	10, 250, 500
Nitric Oxide	NO	0-100 PPM	1 PPM	25, 50, 75
Oxygen	O <sub>2</sub>	0-25% VOL	0.1%	16, 19, 25
Phosgene	COCl <sub>2</sub>	0-2 PPM	0.01 PPM	.5, 1, 2
Bromine	BR <sub>2</sub>	0-2 PPM	0.01 PPM	.5, 1, 2
Chlorine	CL <sub>2</sub>	0-5 PPM	0.1 PPM	.5, 1, 2
Chlorine Dioxide	CLO <sub>2</sub>	0-2 PPM	0.01 PPM	.5, 1, 2
Fluorine	F <sub>2</sub>	0-2 PPM	0.01 PPM	.5, 1, 2
Ozone	O <sub>3</sub>	0-2 PPM	0.01 PPM	.5, 1, 2
Hydrogen Chloride	HCL	0-20 PPM	0.1 PPM	3, 5, 15
Hydrogen Cyanide	HCN	0-20 PPM	0.1 PPM	0, 5, 15
Hydrogen Fluoride	HF	0-20 PPM	0.1 PPM	3, 5, 15
Hydrogen Sulfide	H <sub>2</sub> S	0-50 PPM	1 PPM	10, 20, 30
Nitrogen Dioxide	NO <sub>2</sub>	0-20 PPM	0.1 PPM	3, 5, 15
Sulfur Dioxide	SO <sub>2</sub>	0-20 PPM	0.1 PPM	3, 5, 15
Arsine	AsH <sub>3</sub>	0-1000 PPB	1 PPB	200, 400, 600
Diborane	B <sub>2</sub> H <sub>6</sub>	0-1000 PPB	1 PPB	200, 400, 600
Germane	GeH <sub>4</sub>	0-1000 PPB	1 PPB	200, 400, 600
Hydrogen Selenide	H <sub>2</sub> Se	0-1000 PPB	1 PPB	200, 400, 600
Phosphine	PH <sub>3</sub>	0-1000 PPB	1 PPB	200, 400, 600
Silane	SiH <sub>4</sub>	0-10 PPM	0.1 PPM	2, 5, 10

\* Additional gases and optional ranges/alarm settings are available.