

## E<sup>3</sup>Point<sup>®</sup> SPECIFICATIONS

### Toxic and Combustible Gas Detector Standalone Platform (Single or Dual-Gas Monitoring)



General Specifications					
<b>Uses</b>	Wall or duct-mounted gas detector for monitoring carbon monoxide (CO), nitrogen dioxide (NO <sub>2</sub> ), oxygen (O <sub>2</sub> ), methane (CH <sub>4</sub> ), hydrogen (H <sub>2</sub> ), hydrogen sulphide (H <sub>2</sub> S), and propane (C <sub>3</sub> H <sub>8</sub> ), installed as a standalone device with single-gas or dual-gas monitoring.				
<b>Size</b>	20.56 x 14.90 x 6.72cm (8.09 x 5.87 x 2.65") (H x W x D); Remote Sensor: 3.5 x 4.5 x 6.5 cm (1.36 x 1.75 x 2.56")				
<b>Power Requirement</b>	24 Vac nominal (17-27Vac), 50/60 Hz, 0.35 A; 24Vdc nominal (20-38Vdc); with remote sensor: 7 W max.				
<b>Optional Main AC Input</b>	120Vac nominal, ± 10% (with on-board transformer)				
<b>Relay Output</b>	2 DPDT relays, 5A @ 250Vac; 5A @ 30Vdc				
<b>Communications</b>	4-20mA				
<b>Operating Environment</b>	Commercial, Indoor, Extreme Temperature Environments				
<b>Operating Temperature</b>	H <sub>2</sub> S, NO <sub>2</sub> , O <sub>2</sub> , CH <sub>4</sub> , H <sub>2</sub> , C <sub>3</sub> H <sub>8</sub> : -40 to 50°C (-40 to 122°F) CO: -20 to 50°C (-4 to 122°F)				
<b>Sensor Type</b>	Electrochemical cell (CO, NO <sub>2</sub> , H <sub>2</sub> S, O <sub>2</sub> ); catalytic (CH <sub>4</sub> , H <sub>2</sub> , C <sub>3</sub> H <sub>8</sub> ,)				
<b>Response Time</b>	T90 < 50 seconds With ECLAB T90 < 240 seconds				
<b>Display</b>	8 character, 2 line backlit LCD				
<b>Visual Indicators</b>	Green LED: Power Amber LED 1: Alarm/Fault Amber LED 2: Alarm/Fault				
<b>Audible Alarm</b>	>85 dBA at 3 m (10 ft)				
<b>Accuracy</b>	± 3% of full scale @ 25°C				
Detection Ranges and Alarm Levels					
Gas	Resolution	Range	Alarm A	Alarm B	Alarm C
CO (Carbon monoxide)	1 ppm	0-250 ppm	25 ppm	100 ppm	225 ppm
H <sub>2</sub> S (Hydrogen sulfide)	0.1 ppm	0-50 ppm	10 ppm	15 ppm	20 ppm
NO <sub>2</sub> (Nitrogen dioxide)	0.1 ppm	0-10 ppm	0.7 ppm	2 ppm	9 ppm
O <sub>2</sub> (Oxygen)	0.1% vol.	0-25% vol.	19.5% vol.	22% vol.	22.5% vol.
H <sub>2</sub> (Hydrogen)	0.5% LEL	0-100% LEL	25% LEL	50% LEL	90% LEL
CH <sub>4</sub> (Methane)	0.5% LEL	0-100% LEL	25% LEL	50% LEL	90% LEL
C <sub>3</sub> H <sub>8</sub> (Propane)	0.5% LEL	0-100% LEL	25% LEL	50% LEL	90% LEL
Enclosure					
	Polycarbonate				
Certification					
	CSA C22.2 No. 61010-1, UL 61010-1; FCC part 15; ICES-003 issue 4; ISO 9001-2008				

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