

## 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				

#### Find out more

[www.honeywellanalytics.com](http://www.honeywellanalytics.com)

Toll free: 1 800 563 2967

#### Please Note:

While every effort has been made to ensure accuracy in this publication, no responsibility can be accepted for errors or omissions. Data may change, as well as legislation, and you are strongly advised to obtain copies of the most recently issued regulations, standards, and guidelines. This publication is not intended to form the basis of a contract.



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

### Toxic and Combustible Gas Detector Network Platform (BACnet MS/TP, Modbus)

General Specifications					
<b>Uses</b>	Wall or duct-mounted network gas detector for monitoring toxic, oxygen, and combustible gases				
<b>Size</b>	20.56 x 14.90 x 6.72cm (8.09 x 5.87 x 2.65") (H x W x D)				
<b>Power Requirement</b>	24 Vac nominal (17-27Vac), 50/60 Hz, 0.35 A; 24 Vdc nominal (20-38Vdc)				
<b>Relay Output</b>	1 DPDT relay, 5A @ 250Vac; 5A @ 30Vdc				
<b>Communications</b>	RS485 Modbus; BACnet MS/TP master				
<b>Operating Environment</b>	Commercial, indoor, safe area				
<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>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 CO only: 5% of reading at 150ppm and 25°C; Long term drift: <5% per year				
Gases Detected, 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 ppms
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					
	Standard for Safety for Electrical Equipment for Measurement, Control, and Laboratory Use; Part 1: General Requirements UL 61010-1 2nd Edition, Dated 07/12/2004, With Revisions Through 10/28/2008; Harmonized with CSA C22.2 No. 61010-1-04, Update No. 1 Dated October 2008 (2009); Certified by Intertek to comply with IEC 61010-1:2010 (Third Edition) E <sup>3</sup> Point can be used with the 301C24 to construct a California Title 24 compliant gas detection system.				

#### Find out more

[www.honeywellanalytics.com](http://www.honeywellanalytics.com)

Toll free: 1 800 563 2967

#### Please Note:

While every effort has been made to ensure accuracy in this publication, no responsibility can be accepted for errors or omissions. Data may change, as well as legislation, and you are strongly advised to obtain copies of the most recently issued regulations, standards, and guidelines. This publication is not intended to form the basis of a contract.