Honeywell

E³Point® SPECIFICATIONS

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

General Specifications	
Uses	Wall or duct-mounted gas detector for monitoring carbon monoxide (CO), nitrogen dioxide (NO_2), oxygen (O_2), methane (CH_4), hydrogen (H_2), hydrogen sulphide (H_2S), and propane (C_3H_8), installed as a standalone device with single-gas or dual-gas monitoring.
Size	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")
Power Requirement	24 Vac nominal (17-27Vac), 50/60 Hz, 0.35 A; 24Vdc nominal (20-38Vdc); with remote sensor: 7 W max.
Optional Main AC Input	120Vac nominal, ± 10% (with on-board transformer)
Relay Output	2 DPDT relays, 5A @ 250Vac; 5A @ 30Vdc
Communications	4-20mA
Operating Environment	Commercial, Indoor, Extreme Temperature Environments
Operating Temperature	H_2S, NO_2, O_2, CH_4, H_2, C_3H_8: -40 to 50ºC (-40 to 122ºF) CO: -20 to 50ºC (-4 to 122ºF)
Sensor Type	Electrochemical cell (CO, NO_2, H_2S, O_2); catalytic (CH_4, H_2, C_3H_8,)
Response Time	T90 < 50 seconds With ECLAB T90 < 240 seconds
Display	8 character, 2 line backlit LCD
Visual Indicators	Green LED: Power Amber LED 1: Alarm/Fault Amber LED 2: Alarm/Fault
Audible Alarm	>85 dBA at 3 m (10 ft)
Accuracy	± 3% of full scale @ 25ºC

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_2S (Hydrogen sulfide)	0.1 ppm	0-50 ppm	10 ppm	15 ppm	20 ppm
NO_2 (Nitrogen dioxide)	0.1 ppm	0-10 ppm	0.7 ppm	2 ppm	9 ppm
O_2 (Oxygen)	0.1% vol.	0-25% vol.	19.5% vol.	22% vol.	22.5% vol.
H_2 (Hydrogen)	0.5% LEL	0-100% LEL	25% LEL	50% LEL	90% LEL
CH_4 (Methane)	0.5% LEL	0-100% LEL	25% LEL	50% LEL	90% LEL
C_3H_8 (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
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E³Point® SPECIFICATIONS

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

General Specifications	
Uses	Wall or duct-mounted network gas detector for monitoring toxic, oxygen, and combustible gases
Size	20.56 x 14.90 x 6.72cm (8.09 x 5.87 x 2.65") (H x W x D)
Power Requirement	24 Vac nominal (17-27Vac), 50/60 Hz, 0.35 A; 24 Vdc nominal (20-38Vdc)
Relay Output	1 DPDT relay, 5A @ 250Vac; 5A @ 30Vdc
Communications	RS485 Modbus; BACnet MS/TP master
Operating Environment	Commercial, indoor, safe area
Operating Temperature	H_2S, NO_2, O_2, CH_4, H_2, C_3H_8: -40 to 50ºC (-40 to 122ºF) CO: -20 to 50ºC (-4 to 122ºF)
Response Time	T90 < 50 seconds With ECLAB T90 < 240 seconds
Display	8 character, 2 line backlit LCD
Visual Indicators	Green LED: Power Amber LED 1: Alarm/Fault Amber LED 2: Alarm/Fault
Audible Alarm	>85 dBA at 3 m (10 ft)
Accuracy	± 3% of full scale @ 25ºC CO only: 5% of reading at 150ppm and 25ºC; 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_2S (Hydrogen sulfide)	0.1 ppm	0-50 ppm	10 ppm	15 ppm	20 ppms
NO_2 (Nitrogen dioxide)	0.1 ppm	0-10 ppm	0.7 ppm	2 ppm	9 ppm
O_2 (Oxygen)	0.1% vol.	0-25% vol.	19.5% vol.	22% vol.	22.5% vol.
H_2 (Hydrogen)	0.5% LEL	0-100% LEL	25% LEL	50% LEL	90% LEL
CH_4 (Methane)	0.5% LEL	0-100% LEL	25% LEL	50% LEL	90% LEL
C_3H_8 (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) E³Point can be used with the 301C24 to construct a California Title 24 compliant gas detection system.

Find out more

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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.

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