Honeywell

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.

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