E³Point

Honeywell

Make your operation run more intelligently to protect people, property and your bottom line

CONTROL FIRE SYSTEMS.COM

E³Point Toxic and Combustible Gas Monitor

Flexible Operation
- Comes in standalone, standalone with remote (dual gas mode) or network versions
- Connects to analog or digital systems
- Works with virtually any BAS including BACnet, Modbus or LonWorks*
- Connects to wired or wireless system (via 301CW wireless controller)
- Wall or duct mount
- Factory-calibrated cartridges

Cost Effective
- Saves energy through Demand Control Ventilation (DCV)
- Simplifies installation/maintenance through plug-n-play sensor
- Remote sensor option provides dual gas monitoring (standalone version only)
- Optimizes BAS, fire, ventilation and other security systems

Versatile Communications
- Works through BAS to improve fault diagnostics and collect data on gas concentation levels, sensor condition, etc.
- Couple with 301C to log data and daisy-chain up to 96 E³Point units

Advanced Sensing Technology
- Detects CO, NO_2, O_2, H_2, H_2S, CH_4, C_3H_8
- Advanced electrochemical (for toxic gases) and catalytic bead (for combustible gases) sensor performance
- Uses patented Reflex® and smart cartridge technologies

Range of Accessories
- Factory-calibrated replacement cartridges
- Power transformer
- Vandal-resistant steel wire detector guards
- Tamper-proof screws
- Horns and strobes

Electrical Certifications
- US (ANSI/UL 61010-1)
- Canada (CSA C22.2 No. 61010-1)

* pending - call your sales rep for information

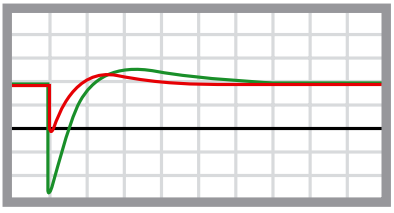
E³Point goes beyond protection to offer your building greater performance and productivity.

Ergonomic features built into E³Point include a hinged door for maintenance ease.

Plug-N-Play Ease
E³Point's plug-n-play sensor is factory calibrated and works out of the box. Upon installation, E³Point automatically configures for quick operation. You benefit from easier installation and maintenance, and greater adaptability to changing building and safety requirements.

Reflex® Keeps You Safer
Only Honeywell's patented Reflex® technology adds this extra degree of precision and diligence to sensor monitoring to make doubly sure you're safe. Reflex bounces electrical signals into the E³Point electrochemical sensor cell at regular intervals, a form of electronic bump testing and continuous monitoring of cell response.

Oscilloscope graph shows cell responding to Reflex pulse, indicating sensor condition.



GREEN shows optimal sensor condition (dynamic responsiveness to gas).

RED shows degraded sensor condition (indicating cell dry-out or failure).

Efficient Operations + **Energy Savings** + **Economical Value** = **E³Point**

Smart sensor design, extreme temperature range, etc. optimize building performance

On-demand ventilation controls energy use

Reduces cost of installation, operation and maintenance

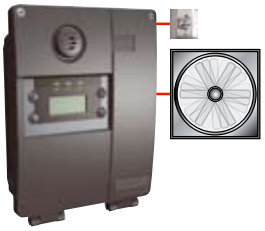
Flexible Applications



E³Point integrates easily with your building's analog or digital infrastructure as a standalone unit or network addressable device. Here are five installation examples to make E³Point work for you.

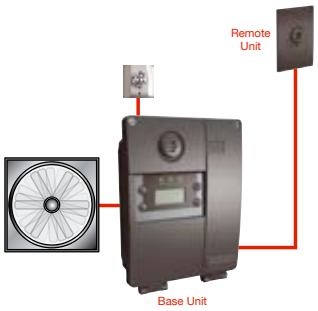
E³Point Standalone Single-Sensor Operation

A low-cost application for buildings with minimal gas monitoring requirements typical of a small facility. Offers easy installation, commissioning and operaton. Two on-board relays can activate fan or strobe.

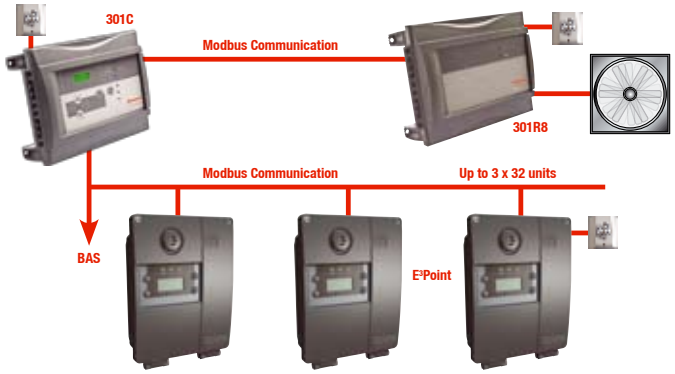


E³Point Standalone Dual-Gas Sensor Operation

Economical application adds option of a second (remote) sensor for dual gas monitoring. Two on-board relays can activate ventilation or strobes.



E³Point/Modbus Configuration

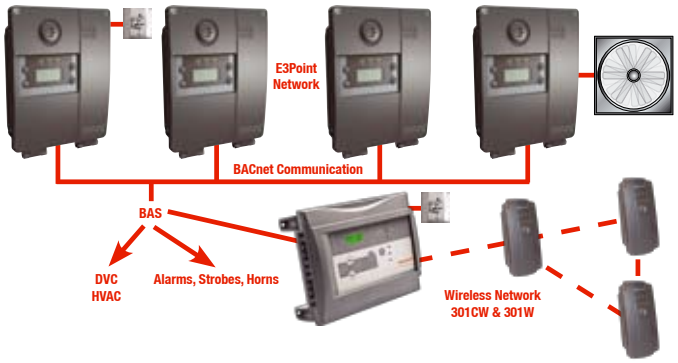


Supports Modbus protocol to daisy-chain E³Point detectors, providing up to 96 points of monitoring on a serial bus. Excellent option for controller-based (VA301C) installations common in larger applications. A relay output is provided as an option for activating ventilation directly (e.g. when fan is located in close proximity to detector).

E³Point/Wired-Wireless Hybrid Configuration

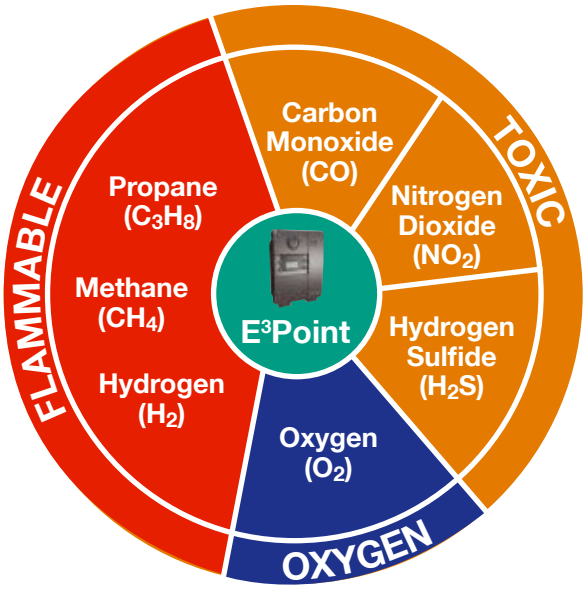
E³Point offers a perfect solution for applications that require a hybrid wireless/wired system. In this configuration, E³Point outputs signals to a controller (301CW) that also accepts signals from a wireless gas detector (301W). This scheme offers great flexibility and installation cost savings for retrofit projects. It easily handles difficult installation challenges, such as those posed by obstructions. A relay output is provided when it is desirable to activate fan/ventilation directly (e.g. when fan is located in close proximity to detector).

E³Point/BACnet (MS-TP) Configuration



E³Point outputs directly to BACnet or other BAS. Alarms, strobes and horns are activated through BAS with link to DCV/HVAC controls. This system design supports new and retrofit installations for large buildings, and can couple with a controller to effectively integrate wired and wireless system components. A relay output is provided as an option for activating ventilation directly (e.g. when fan is located in close proximity to detector).

Dual-Gas Detection In Many Combinations



E³Point's standalone, dual-gas configuration monitors two gases simultaneously and cost effectively, in any of the following combinations: **toxic-toxic**, **toxic-combustible**, **oxygen-toxic**, or **oxygen-combustible**. (The device cannot monitor two combustible gases simultaneously.)

E³Point Expands the Range of Gas Detection to Serve Practically All Building Areas, Including Outbuildings

	Building Environment	Gases Present (Detected by E³Point)
	Parking Structure	CO, NO_2, C_3H_8
	Loading Dock	CO, NO_2, C_3H_8,H_2
	Transport Terminal	CO, NO_2, C_3H_8,CH_4
	Golf Cart Maintenance/ Battery Charging Area	CO, NO_2, CH_4, O_2, H_2
	Maintenance Garage	CO, NO_2, C_3H_8, O_2, H_2S, H_2
	Hospital/Ambulance Bay	CO, NO_2, C_3H_8, O_2
	Fire/Police Station	CO, NO_2, C_3H_8, O_2, H_2, H_2S
	Car Wash	CO, NO_2, C_3H_8
	Battery Charging Rooms & Hydrogen Tanks	H_2
	Commercial Kitchen	C_3H_8, CO, CH_4
	Indoor Stadium/Arena	CH_4, CO, C_3H_8

Find out more
www.honeywellanalytics.com

Contact Honeywell Analytics:
Honeywell Analytics Inc.
4005 Matte Blvd., Unit G
Brossard, QC, Canada
J4Y 2P4
Tel: +1 450 619 2450
Toll free: +1 800 563 2967
Fax: +1 888 967 9938

Technical Services
ha.us.service@honeywell.com

www.honeywell.com

H_E3Point_DS01081_V1_US 6/09

Honeywell

CONTROL FIRE SYSTEMS.COM

HWA6080