E³Point®

Honeywell

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

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
- 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

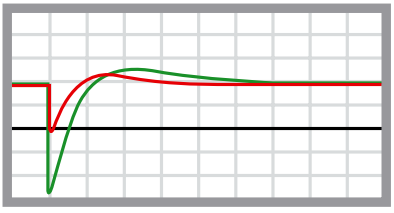
E³Point goes beyond protection to offer your building greater performance and productivity.

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

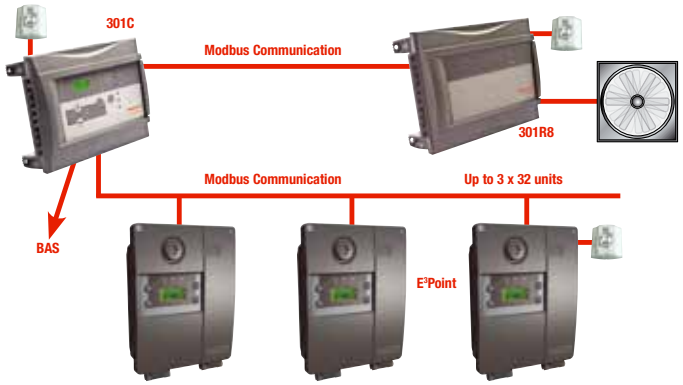


E³Point integrates easily with your building's analog or digital infrastructure as a standalone unit or network addressable device. Here are four installation examples to make E³Point work for you.

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.

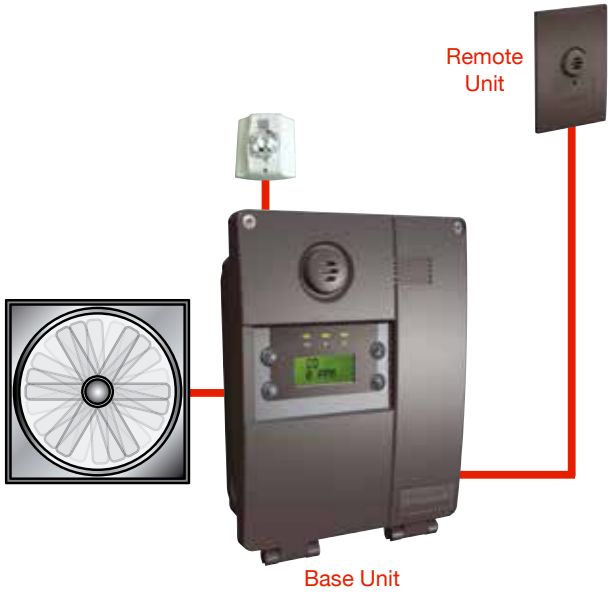
E³Point/Modbus Configuration



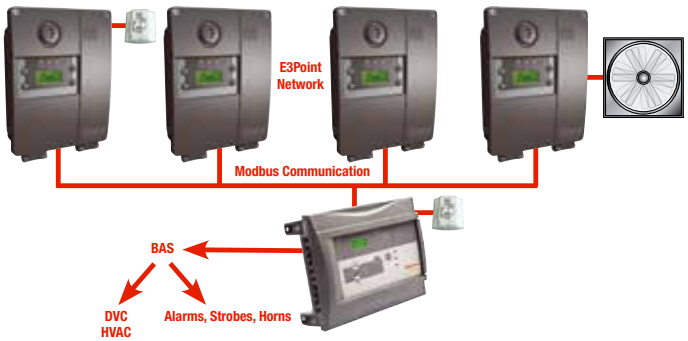
Supports Modbus protocol to daisy-chain E³Point detectors, providing up to 96 points of monitoring on a serial bus. Excellent option for controller-based (VA301C) installations common in larger applications. A relay output is provided as an option for activating ventilation directly (e.g. when fan is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

E³Point 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/BACnet IP 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 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).