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 concentration levels, sensor condition, etc.
- Couple with 301C to log data and daisy-chain up to 96 E³Point units

Advanced Sensing Technology
- Detects CO, NO₂, O₂, H₂, H₂S, CH₄, C₂H₆
- 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.

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.

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

GREEN shows optimal sensor condition (dynamic responsiveness to gas).
RED shows degraded sensor condition (indicating cell dry-out or failure).

Oscilloscope graph shows cell responding to Reflex pulse, indicating sensor condition.
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 operation. 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/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).
E³Point Expands the Range of Gas Detection to Serve Practically All Building Areas, Including Outbuildings

<table>
<thead>
<tr>
<th>Building Environment</th>
<th>Gases Present (Detected by E³Point)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parking Structure</td>
<td>CO, NO₂, C₃H₈</td>
</tr>
<tr>
<td>Loading Dock</td>
<td>CO, NO₂, C₃H₈, H₂</td>
</tr>
<tr>
<td>Transport Terminal</td>
<td>CO, NO₂, C₃H₈, CH₄</td>
</tr>
<tr>
<td>Golf Cart Maintenance/Battery Charging Area</td>
<td>CO, NO₂, CH₄, O₂, H₂</td>
</tr>
<tr>
<td>Maintenance Garage</td>
<td>CO, NO₂, C₃H₈, O₂, H₂S, H₂</td>
</tr>
<tr>
<td>Hospital/Ambulance Bay</td>
<td>CO, NO₂, C₃H₈, O₂</td>
</tr>
<tr>
<td>Fire/Police Station</td>
<td>CO, NO₂, C₃H₈, O₂, H₂, H₂S</td>
</tr>
<tr>
<td>Boiler Room</td>
<td>CO, CH₄, C₃H₈</td>
</tr>
<tr>
<td>Battery Charging Rooms &amp; Hydrogen Tanks</td>
<td>H₂</td>
</tr>
<tr>
<td>Commercial Kitchen</td>
<td>C₃H₈, CO, CH₄</td>
</tr>
<tr>
<td>Indoor Stadium/Arena</td>
<td>CH₄, CO, C₃H₈</td>
</tr>
</tbody>
</table>

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.

Find out more
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