



**Fixed Point Gas Detection
Systems For Commercial and
Light Industrial Applications**

Gas Detection Systems



Throughout the building services industry, there is a wide variety of applications that require the implementation of fire and gas detection equipment. From simple systems that detect flammable gas leaks in boiler rooms to larger, addressable systems monitoring toxic gasses in underground car parks, it is important to have a thorough understanding of the application before selecting the most appropriate detection solution.

The Honeywell Analytics' range of flammable and toxic gas detection equipment provides an economic and comprehensive range of gas detectors, transmitters and controllers that can be mixed and matched to meet the individual requirements of each application. The common design platform used throughout the range simplifies its specification, installation, operation and maintenance. Connectivity to fire panels and building management systems is simple, providing a cost effective, efficient solution to a vast array of industrial fire and gas requirements, a small selection of which follows:

- Gas fired boiler plant rooms
- Enclosed / underground car parks
- Underground road service tunnels
- Laboratories / research institutes
- Water treatment plants
- Swimming pool plant rooms
- Food and beverage processing plants
- Commercial kitchens

The schematics opposite provide typical examples of the types of system that may be required including a brief summary of each component's features and capabilities. For further detailed information on a particular product, please refer to the product datasheet.

With over 40 years experience in the specification of systems of this type, Honeywell Analytics can help you choose the right solution to your specific fire and gas problem. Contact your local Honeywell Analytics representative to discuss your requirement in detail.

Gas Detectors

Single Channel
DIN Rail Mounted
Controller



Signalpoint

- Flammable and toxic gas versions
- Suitable for indoor use
- Integral visual alarm (toxic gas)

Single Channel
Wall Mounted
Controller



Sensepoint

- ATEX certified flammable and toxic gas versions
- In / outdoor use
- Wide range of gases

Up To 4 Channel
Wall Mounted
Controller (Multi
System Linkable)

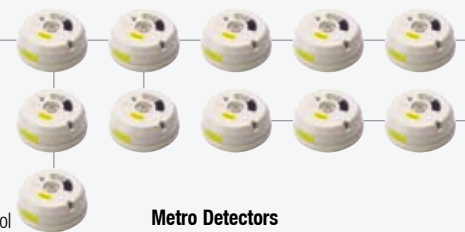


Multipoint
Addressable



Remote Override Box

- Remote ventilation control
- Can connect to 3rd party mimic panels
- Connects anywhere on detector circuits



Metro Detectors

- Flammable and toxic gas versions
- Mains powered addressable
- Integral audible and visual alarms

Standalone Gas
Transmitters



Sensepoint Plus

- ATEX certified flammable and toxic versions
- 4-20mA and local inhibit
- One man calibration

System Layout Examples



Controllers

Executive Actions



Unipoint

- Multiple units use common power bus
- Menu driven LCD display
- Inbuilt audible and visual alarms



Switched Input to Proprietary Fire Detection Panel



Gas Shut Off Valve



Output Capability

- 3 alarm relays
- 1 fault relay
- Remote accept, reset and inhibit* (*inhibit on mA version only)



Touchpoint 1

- AC or DC operation
- In-built audible and visual alarms
- On screen event history



Switched Input to Proprietary Fire Detection Panel



Gas Shut Off Valve



Output Capability

- 2 alarm relays
- 1 fault relay
- Isolated 4-20mA



Touchpoint 4

- 4 channel version of Touchpoint 1
- Up to 32 controllers can be linked via RS485.
- Remote reset capability



Switched Input to Proprietary Fire Detection Panel



Gas Shut Off Valve



Output Capability

- 2 alarm relays (per channel) plus master alarm and fault
- Isolated 4-20mA
- RS485
- Dedicated audio / visual drives



Infrared Remote Control

- Remote system configuration and interrogation



Metro Controller

- Two addressable circuits
- Capable of driving up to 250 detectors
- Software configurable alarm logic
- On screen event review



Evacuation Sign



Extraction Fan



Switched Input to Proprietary Fire Detection Panel



Output Capability

- 8 relays: grouped, voted or instantaneous
- RS485



Sensepoint Pro

- ATEX certified flammable and toxic gas versions
- 4-20mA and relay outputs
- Local display and infrared remote controller

Proprietary Building Management / Fire Panel System input module



Building Management System Display

Our Product Range



Fixed Gas Monitoring

Honeywell Analytics offers a wide range of fixed gas detection solutions for a diverse array of industries and applications including: Commercial properties, industrial applications, semiconductor manufacturers, energy plants and petrochemical sites.

- » Detection of flammable, oxygen and toxic gases (including exotics)
- » Innovative use of 4 core sensing technologies – paper tape, electrochemical cell, catalytic bead and infrared
- » Capability to detect down to Parts Per Billion (ppb) or Percent by Volume (%v/v)
- » Cost effective regulatory compliance solutions

Portable Gas Monitoring

When it comes to personal protection from gas hazards, Honeywell Analytics has a wide range of reliable solutions ideally suited for use in confined or enclosed spaces.

These include:

- » Detection of flammable, oxygen and toxic gases
- » Single gas personal monitors – worn by the individual
- » Multi-gas portable gas monitors – used for confined space entry and regulatory compliance
- » Multi-gas transportable monitors – used for temporary protection of area during site construction and maintenance activities

Technical Services

At Honeywell Analytics, we believe in the value of great service and customer care. Our key commitment is providing complete and total customer satisfaction. Here are just a few of the services we can offer:

- » Full technical support
- » Expert team on hand to answer questions and queries
- » Fully equipped workshops to ensure quick turnaround on repairs
- » Comprehensive service engineer network
- » Training on product use and maintenance
- » Mobile calibration service
- » Customised programmes of preventative/corrective maintenance
- » Extended warranties on products

Find out more

www.honeywellanalytics.com

Contact Honeywell Analytics:

Europe, Middle East, Africa

Life Safety Distribution AG
Wilstrasse 11-U31
CH-8610 Uster
Switzerland
Tel: +41 (0)44 943 4300
Fax: +41 (0)44 943 4398
gasdetection@honeywell.com

Americas

Honeywell Analytics Inc.
405 Barclay Blvd.
Lincolnshire, IL 60069
USA
Tel: +1 847 955 8200
Toll free: +1 800 538 0363
Fax: +1 847 955 8208
detectgas@honeywell.com

Asia Pacific

Honeywell Analytics Asia Pacific
#508, Kolon Science Valley (1)
187-10 Guro-Dong, Guro-Gu
Seoul, 152-050,
Korea
Tel: +82 (0)2 2025 0307
Fax: +82 (0)2 2025 0329
analytics.ap@honeywell.com

Technical Services

ha.emea.service@honeywell.com

www.honeywell.com

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