



# GAS AND FLAME DETECTION

 **NOTIFIER**<sup>®</sup>  
by Honeywell

## THE NEED FOR GAS DETECTION

Almost anywhere that people gather for work or leisure, indoors or out, there is a potential risk of exposure to toxic or flammable gases. Whether it is a school, dormitory, office building, shopping center, swimming pool, manufacturing plant or warehouse, it is important to protect people, and to comply with legal requirements for gas monitoring. In addition to protecting building occupants, gas detection systems can also prevent untimely and costly business disruptions.



## THE NEED FOR FLAME DETECTION

While the use of heat and smoke detection covers many traditional applications, there is a growing trend to add flame detection to monitor higher risk areas such as boiler rooms in commercial applications, as well as in manufacturing plants and warehouses where combustible material is stored or processes dictate the additional protection. In these cases, flame detection offers fast speed of response, low maintenance and a wider area of coverage to supplement traditional detection methods.

## AN ADDED LEVEL OF PROTECTION

With over 50 years experience leading the fire alarm industry, NOTIFIER understands life safety. Hazardous and toxic gases are present in virtually every commercial environment and can threaten the safety of building occupants. That's why NOTIFIER offers a comprehensive suite of gas detection products for a wide range of commercial and industrial environments—all of which integrate seamlessly with our proven fire and life safety systems.

# FULLY INTEGRATED FIRE AND GAS DETECTION

The NFS2-3030 Fire and Gas Detection System interfaces to industry standard 4-20 mA devices using NOTIFIER's FMM-4-20 module to provide a central point of annunciation. The FMM-4-20 module connects to the NFS2-3030 via the SLC (Signaling Line Circuit), to collect, display, and act on the data received from gas or flame detection devices, as well as hundreds of other commonly used sensors. **NOTIFIER is the only major commercial fire alarm manufacturer that has the preferred and often required FM (Factory Mutual) 6320 listing** for its NFS2-3030 Fire and Gas Detection System.



FM 6320 Listed



## PROGRAMMABLE EVENT THRESHOLD MAXIMIZES FLEXIBILITY

The FMM-4-20 module is user programmable for up to five different event thresholds, which are based on the concentration level of the gas being monitored. When the gas reaches a designated threshold, the NFS2-3030 system responds by executing the appropriate pre-programmed response. Events can be individually labeled as any one of the following conditions: Fire, Security, Supervisory, Non-Fire Trouble, Pre-Alarm, Non-Fire, and Critical Process.

# Office Buildings

## Areas of Concern

- Boiler Rooms
- Commercial Kitchens
- Loading Docks

## Gases Monitored

- Methane
- Carbon monoxide
- Methane
- Propane
- Refrigerants
- Carbon monoxide
- Nitrogen dioxide

## Solutions

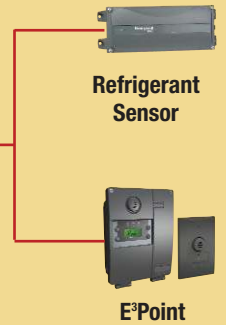
- E<sup>3</sup>Point
- E<sup>3</sup>Point
- E<sup>3</sup>Point
- E<sup>3</sup>Point
- VA301EM Series
- E<sup>3</sup>Point
- E<sup>3</sup>Point



### Typical Application



NFS2-640



# Schools K-12

## Areas of Concern

- Boiler Rooms
- Water Heaters
- High School Science Labs

## Gases Monitored

- Methane
- Carbon monoxide
- Propane
- Carbon monoxide
- Other chemicals (in labs)

## Solutions

- E<sup>3</sup>Point
- E<sup>3</sup>Point
- E<sup>3</sup>Point
- E<sup>3</sup>Point
- Sensepoint XCD



### Typical Application



NFW2-100



E<sup>3</sup>Point

# COMMON GAS HAZARDS AND SOLUTIONS

## Hospitals and Nursing Homes

### Areas of Concern

- Boiler Rooms
- Oxygen Delivery Systems
- Laboratories
- Ambulance Bays/Loading Docks

### Gases Monitored

- Methane
- Carbon monoxide
- Oxygen concentrations
- Refrigerants
- Propane
- Other chemicals (in labs)
- Carbon monoxide
- Nitrogen dioxide

### Solutions

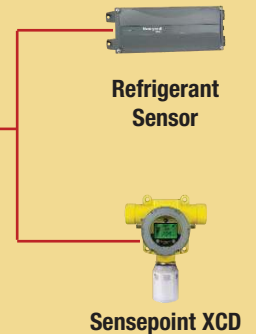
- E<sup>3</sup>Point
- E<sup>3</sup>Point
- E<sup>3</sup>Point
- VA301EM Series
- E<sup>3</sup>Point
- Sensepoint XCD
- E<sup>3</sup>Point
- E<sup>3</sup>Point



### Typical Application



NFS2-320



## Colleges and Universities

### Areas of Concern

- Boiler Rooms
- Water Heaters
- Laboratories
- Commercial Kitchens
- Loading Docks

### Gases Monitored

- Methane
- Carbon monoxide
- Propane
- Oxygen deficiency
- Other chemicals (in labs)
- Refrigerants
- Carbon monoxide
- Nitrogen dioxide

### Solutions

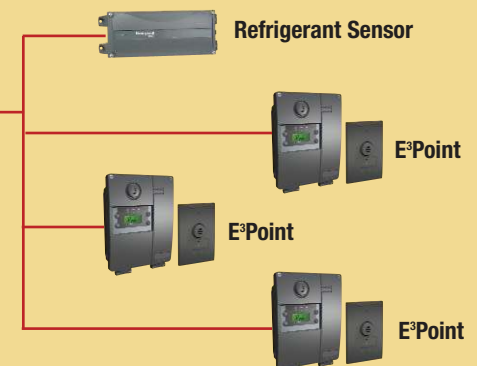
- E<sup>3</sup>Point
- E<sup>3</sup>Point
- E<sup>3</sup>Point
- E<sup>3</sup>Point
- Sensepoint XCD
- VA301EM Series
- E<sup>3</sup>Point
- E<sup>3</sup>Point



### Typical Application



NFS2-640



# Hotels and Motels

## Areas of Concern

- Boiler Rooms
- Water Heaters
- Commercial Kitchens
- Loading Docks
- Battery Charging Areas (Golf Carts, Forklifts, etc.)

## Gases Monitored

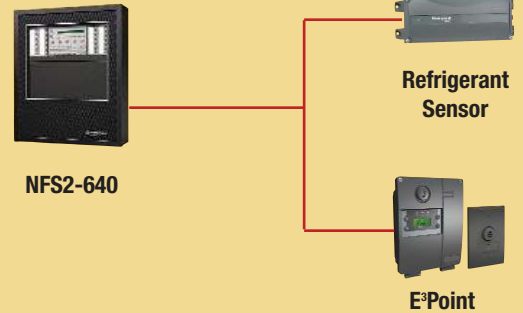
- Methane
- Carbon monoxide
- Propane
- Refrigerants
- Carbon monoxide
- Nitrogen dioxide
- Hydrogen

## Solutions

- E³Point
- E³Point
- E³Point
- VA301EM Series
- E³Point
- E³Point
- E³Point



## Typical Application



# Parking Garages

## Areas of Concern

- Motor Vehicle Exhaust

## Gases Monitored

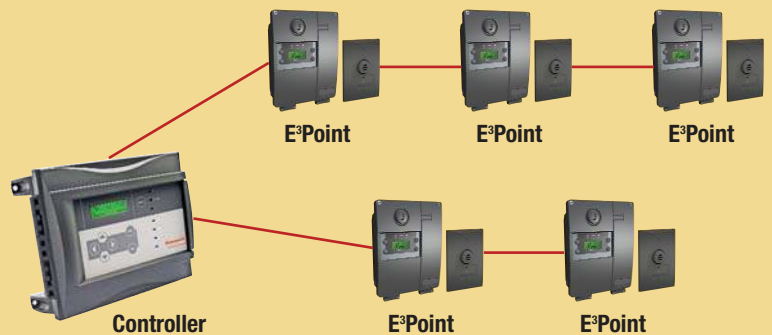
- Carbon monoxide
- Nitrogen dioxide

## Solutions

- E³Point
- E³Point



## Typical Application

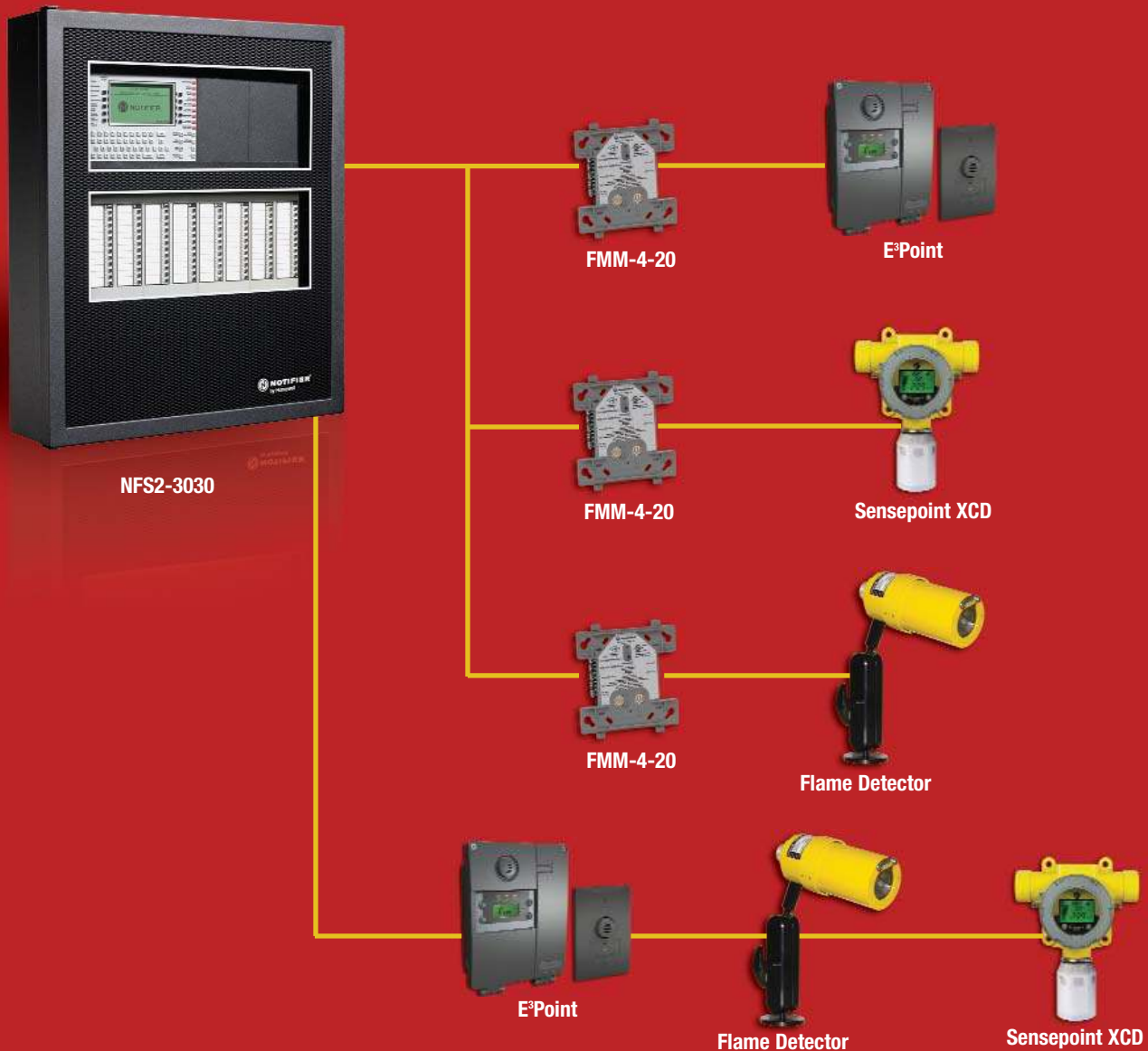




## GAS MONITORING FOR HIGHLY TOXIC AND EXPLOSIVE ATMOSPHERES

Sensepoint XCD makes it simple to monitor and detect hazardous gases for safety and compliance standards. Sensepoint XCD fixed sensors offer comprehensive monitoring of flammable and toxic gas hazards as well as oxygen deficiency in potentially explosive atmospheres, both indoors and out. Special requirements exist for potentially explosive working environments within gas, oil, chemical production as well as dust-filled environments in wood-processing and food industries.

### Gas Detection Application with NFS2-3030



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Smoke Detection



Fire, Security,  
CCTV Integration



Gas Detection

For over 60 years, NOTIFIER has been a leader in the fire alarm industry. Today, we are the largest manufacturer of engineered fire alarm systems with over 400 distributors worldwide, and regional support operations on every continent for the flexibility and options your business needs.

NOTIFIER - Leaders in Life. Safety. Technology.

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