



ADVANCED DETECTION

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

# SPEED, STABILITY, & RELIABILITY

NOTIFIER's ONYX Series intelligent fire alarm systems respond rapidly to incipient fire signatures with unmatched precision. At the same time, they significantly reduce the occurrence of nuisance alarms. It's all made possible by NOTIFIER's ONYX Advanced Detection technology, which maximizes speed, stability, and reliability. ONYX Advanced Detection is comprised of two key elements: a set of complex software algorithms found in all ONYX Series fire alarm panels and a suite of advanced, specialty detectors. When used together, these elements extend ONYX Intelligent Sensing capabilities far beyond that of typical spot-type smoke or gas detection. From mission-critical applications where even a trace amount of undetected smoke is unacceptable, to environments where the presence of dust, moisture, or theater smoke is the norm, ONYX Intelligent Sensing is the answer.

**NEW!**

## IntelliQuad™ PLUS – Combination Smoke and Carbon Monoxide (CO) Detector



NOTIFIER's IntelliQuad PLUS detector is a plug-in, addressable device that provides both fire and Carbon Monoxide (CO) detection. For fire, the detector combines four separate sensing elements in one unit (smoke, CO, infrared, and heat) to sense multiple components of a fire. This approach has enhanced sensitivity to real fire with heightened immunity to nuisance particulate. For CO, the detector's electrochemical sensing cell creates a separate signal for life safety CO detection. When used together with our addressable sounder base you can replace as many as four separate devices for a cleaner and more efficient installation.



# MINIMIZE NUISANCE ALARMS

## Cooperative Sensing Analyzes Readings from Multiple Devices

NOTIFIER's Cooperative Sensing Technology evaluates sensor readings from up to three adjacent smoke sensors to verify uniform smoke spread, a strong indication of a true fire condition. Based on the sensor data, the panel can quickly determine the difference between a real fire emergency and a nuisance condition.

## Acclimate™ – Self-optimizes, Senses Heat and Smoke

The Acclimate Plus detector combines thermal and photoelectric technologies into a single device. It constantly monitors ambient heat and particulate conditions, adjusting sensitivity parameters and alarm thresholds automatically to maximize detection across a broad range of fire types.



## HIGH SENSITIVITY FOR EARLY WARNING

### VIEW™ Laser Detector – Super Sensitive Spot-type Detection

The VIEW laser smoke sensor is programmable to be up to 100 times more sensitive than standard photoelectric smoke detection technology. VIEW is ideal for critical applications where even a trace of undetected smoke is unacceptable or where high air flows can make traditional smoke detectors ineffective.

## Customize Detector Sensitivity to the Environment, Day and Night

ONYX Advanced Detection offers nine levels of detector pre-alarm and alarm sensitivity settings. This allows users to optimize each detector's sensitivity specifically to its individual environment. Sensitivity levels are programmable to alternate automatically between day and night as occupancy changes.





# Office Buildings

## Areas of Concern

- Server Rooms
- Canteens / Microwave
- Shower Areas

## Problems

- Early Detection
- Nuisance
- Nuisance, Humidity

## Solutions

- VIEW, FAAST
- IntelliQuad
- IntelliQuad



### Typical Application



NFS2-640



FAAST  
Aspiration  
Smoke Detector



FSL-751  
VIEW Detector



FSC-851  
IntelliQuad  
Multi-criteria Detector

# Schools K-12

## Areas of Concern

- Cafeteria Kitchen
- Locker Rooms
- Corridors outside Boiler Rooms

## Problems

- Smoke / Humidity
- Humidity, Nuisance
- CO, Nuisance

## Solutions

- IntelliQuad, Acclimate
- IntelliQuad
- IntelliQuad PLUS



### Typical Application



NFS-320



FSC-851  
IntelliQuad  
Multi-criteria Detector



FCO-851  
IntelliQuad PLUS with  
Addressable Sounder Base



FAPT-851  
Acclimate Plus  
Detector

# COMMON HAZARDS AND SOLUTIONS

## Hospitals and Nursing Homes

### Areas of Concern

- Operating Rooms
- Patient Rooms
- Server Rooms

### Problems

- Very Early Warning
- Very Early Warning, Multi-Criteria, CO Detection
- Very Early Warning

### Solutions

- VIEW, FFAST
- IntelliQuad PLUS
- VIEW, FFAST



### Typical Application



NFS2-3030



FAST  
Aspiration  
Smoke Detector



FSL-751  
VIEW Detector



FCO-851  
IntelliQuad PLUS with  
Addressable Sounder Base

## Colleges and Universities

### Areas of Concern

- Dormitories
- Kitchens
- Telecommunications / Servers
- Science Labs
- Swimming Pools

### Problems

- Smoking, CO Detection
- Nuisance
- Very Early Detection
- Nuisance
- Humidity

### Solutions

- IntelliQuad PLUS
- IntelliQuad
- VIEW, FFAST
- IntelliQuad
- IntelliQuad



### Typical Application



NFS2-640



FAST  
Aspiration Smoke Detector



FCO-851  
IntelliQuad PLUS with  
Addressable Sounder Base



FSC-851  
IntelliQuad  
Multi-criteria Detector

# Hotels and Motels

## Areas of Concern

- Sleeping Rooms
- Kitchens
- Rest Rooms
- Server / Electrical
- Laundry Rooms

## Problems

Smoking, CO Detection  
 Nuisance  
 Nuisance  
 Early Warning  
 Nuisance, Early Warning,  
 CO Detection

## Solutions

IntelliQuad PLUS  
 IntelliQuad  
 IntelliQuad  
 VIEW, FFAST  
 IntelliQuad PLUS



### Typical Application



NFS2-640



FCO-851  
 IntelliQuad PLUS with  
 Addressable Sounder Base



FSL-751  
 VIEW Detector



FSC-851  
 IntelliQuad  
 Multi-criteria Detector

# Retail

## Areas of Concern

- Stock Rooms
- Shopping Floor
- Server/Computer Rooms

## Problems

Dust / Lint  
 Dust, Area of Coverage  
 Nuisance, Early Detection

## Solutions

FAAST  
 FFAST  
 VIEW, FFAST, IntelliQuad



### Typical Application



NFS-320



FAAST  
 Aspiration  
 Smoke Detector



FSC-851  
 IntelliQuad  
 Multi-criteria Detector



# A WIDE RANGE OF SENSITIVITY

## IntelliQuad™ – The Ultimate Multi-criteria Detector

IntelliQuad senses smoke particulates, carbon monoxide (CO), heat, and infrared signatures simultaneously to determine the presence of a fire condition. Sensor readings are continually evaluated against one another, allowing the detector to operate normally with high immunity to nuisance conditions, while quickly responding to true alarm events.



## Aspirating Smoke Detection – Early Warning in Challenging Environments

Aspirating Smoke Detection (ASD) solutions provide early warning of an impending fire hazard. ASD can buy time to investigate an alarm and initiate an appropriate response to prevent injury, property damage, or business disruption. With a wide sensitivity range and multi-level warnings, even minute levels of smoke can be detected before a fire has time to escalate. It is also possible to connect the unit to the building's Ethernet connection in order to provide access and monitoring from anywhere in the world.



**NOTIFIER WORLD HEADQUARTERS**

12 Clintonville Road  
Northford, CT 06472  
United States of America  
Tel: 203-484-7161  
Fax: 203-484-7118  
www.notifier.com

For information on regional office locations throughout the world, please visit [www.notifier.com](http://www.notifier.com).



Fire Alarm  
Control Panels



Emergency  
Communications  
Systems



Fire Alarm  
Networks



Advanced Fire &  
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.

