

ADVANCED DETECTION



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.



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

VIEWTM 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 prealarm 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

Schools

K-12

Areas of Concern

- Server Rooms
- Canteens / Microwave
- Shower Areas

Problems

Early Detection

Nuisance

Nuisance, Humidity

Solutions

VIEW, FAAST

IntelliQuad

Intelliquad



Typical Application



NFS2-640





FSL-751 VIEW Detector



FSC-851 IntelliQuad Multi-criteria Detector

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, FAAST

IntelliQuad PLUS

VIEW, FAAST



Typical Application



NFS2-3030



FAAST
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, FAAST

IntelliQuad

.

IntelliQuad



Typical Application



NFS2-640



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, FAAST

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

FAAST

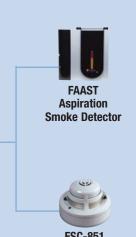
VIEW, FAAST, IntelliQuad



Typical Application



NFS-320



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.





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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.



