KIDDE
COMMERCIAL

DETECTING SMOKE SOONER

The Advantages of Aspirating Smoke Detection (ASD)

Early detection is key to minimizing damage and to saving lives. Traditional spot smoke detectors offer reliable detection for many spaces, but larger areas like campus atriums, data centers, and libraries demand a more advanced approach. Aspirating smoke detection (ASD) provides a superior solution for these challenging environments.

ASD: A Proactive Approach

Aspirating smoke detection systems actively draw in air through a network of pipes strategically placed throughout a building area, the air is then sampled and analyzed for smoke particles by a detection unit. ASD can detect smoke before it becomes visible.

ASD Advantages in the Campus Setting

Earliest Warning

ASD boasts exceptional sensitivity, detecting smoke particles well before they become visible, providing critical time for evacuation and fire response.

Flexible Placement

Pipes can be installed discreetly above artificial ceilings, under artificial floors preserving aesthetics and in sensitive spaces like campus atriums, data centers, elevator shafts, and historic buildings.

Wider Coverage

A single ASD system can cover large areas with its network of pipes, eliminating blind spots present with spot detectors.

Adaptable to Environment

ASD functions effectively in environments with high or low airflow, making it ideal for areas with ventilation systems or open spaces such as atriums.

Reduced False Alarms

ASD differentiates between smoke and dust, minimizing false alarms.

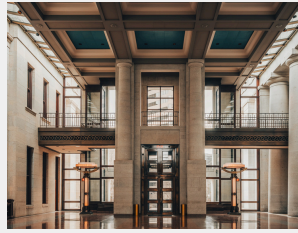### Seamless Integration

Modern ASD systems can integrate directly with the fire panel, allowing for real-time fire detection and response coordination.
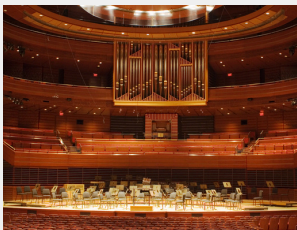
ASD Campus Applications

Libraries

Atriums
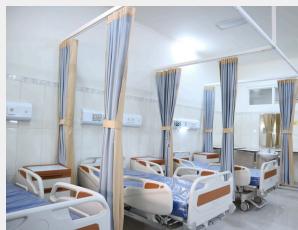

Elevator Shafts

Data Centers

Computer Rooms

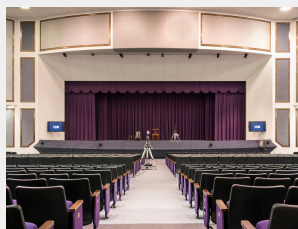**Performance Centers**

Gymnasiums

Science Labs

Auditoriums

Food Courts

Medical Center Facilities

The Latest in ASD Technology

The latest developments in ASD technology offer unparalleled flexibility in design options to meet the changing needs of today's campuses. Advancements in ASD are more scalable than ever, with uniquely modular designs that allow for individually zoned areas and future scalability.

Newer ASD systems also offer a significant reduction in wiring and piping needs, translating to a significantly faster, simpler installation and upgrade process with minimal disruption to your operations.

Making the Switch to ASD:

The ideal smoke detection system depends on your specific needs. For campus applications, ASD offers significant advantages. ASD can provide reliability, intelligent detection, and early warning capabilities critical for helping to protect people and property. When determining which ASD system to use, consider the following:

- Flexible designs with scalable options that minimize major pipe design rework
- Advanced technology, such as continuous monitoring and dynamic environmental compensation, that minimize nuisance alarms
- Options where you only buy what you need to minimize total device and piping requirements

For more information related to your ASD needs, contact the Early Smoke Detection Experts at Kidde Commercial

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