



MiniLaser

Aspirating Smoke Detector

THE SMART CHOICE FOR DEMANDING SINGLE-ZONE SPACES

The Smart Single-Zone Solution

Single-zone spaces (Elevator shafts, HVAC ducts, Server closets) need detection built for the job - When spot detectors fall short and full-scale aspirating systems are more than the application requires, MiniLaser delivers the right-sized solution: aspirating smoke detection purpose-built for challenging single-zone spaces.

Reliable. Technician-Friendly. Cost-Effective.



ADAPTABLE DETECTION THAT REDUCES NUISANCE ALARMS

MiniLaser adapts sensitivity based on environmental conditions, ensuring long-term alarm stability and maximizing early warning performance without increasing nuisance alarms.



DESIGNED FOR THE TECHNICIAN

From configuration to installation and servicing, every element of MiniLaser is designed to save your technicians time and effort, such as simple dip-switch settings that allow technicians to configure without a laptop. Front-accessible terminals allow live testing and maintenance without shutdown. It supports top or bottom sampling-pipe entry, and a left- or right-mountable display sub-module to suit the preferred wiring route.



PRE-ENGINEERED FOR COST EFFICIENCIES

Up to 25 pre-engineered sampling holes – more than twice as many as competitive systems – means that no costly and time-consuming design and programming is needed to configure small-to-medium single-zone projects.



SUSTAINED VALUE THROUGH LIFECYCLE PERFORMANCE

Airflow architecture and multi-layer dust filter reduce maintenance visits and support consistent detection performance over the product's lifetime.

DESIGNED FOR THE REALITIES OF SINGLE-ZONE SPACES

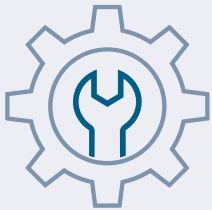
Every feature has been designed to deliver the reliability of our best-in-class modular system in a platform purpose-built for single-zone environments.



UL 268 7th Edition, ULC Listed

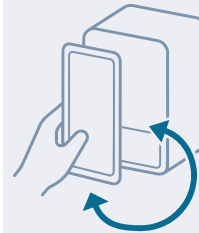
Backed by a 5-Year Warranty

More than 2x longer than any other
UL 268 listed aspirating smoke detector



Simplified Dip-Switch Settings

Dip-switch settings allow your technicians to configure MiniLaser on-site, without the need for specialized software or a laptop – plus, PipeCAD software is still available for more complex layouts.



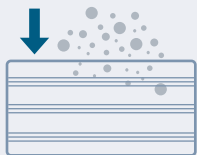
Front-Accessible Servicing

Front-accessible wiring terminals for diagnostics and filter replacement enable servicing without powering down or dismantling the detector.



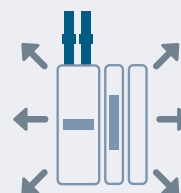
ClassiFire AI Technology

ClassiFire technology provides dynamic environmental compensation and combines with our Laser Dust Discrimination algorithm to minimize nuisance alarms and enable consistent performance levels.



Protected Chamber

The waste-gate airflow architecture and a multi-layer dust filter keep contaminants away from the detection chamber, reducing maintenance visits and extending the product's lifetime.



Expansion Modules

With support for up to two expansion modules, MiniLaser has the flexibility to expand with the application's needs.



Coverage For Small to Mid-Sized Spaces

Supports up to 35 holes and 400 linear feet of combined pipe, allowing it to cover mid-sized spaces of up to 18,000 sq. ft.

ONE DETECTOR. DOZENS OF DEMANDING SPACES.

MiniLaser aspirating smoke detection is ideal for small-to-mid-size environments where standard point detection falls short – and full-scale ASD systems go beyond the space's needs.

BUILDING INFRASTRUCTURE

Elevator Shafts | HVAC Ducts
Maintenance & Electrical Rooms

TECHNOLOGY

Server & Data Closets
Control Rooms

ENERGY

Battery Energy Storage Systems
Power Generation & Wind Turbines

INSTITUTIONAL

Isolation Rooms
Courthouse & Holding Areas

COMMERCIAL & COMMON AREAS

Laundries | Recreation & Fitness
Admin & Office Spaces | Garages

MEDICAL & SPECIALIZED

Medical Imaging Suites & ORs | Clean Rooms
Cold Storage | Recycling Centers





RESILIENT SOLUTIONS CUSTOMIZED AND MAINTAINED BY OUR EXPERT PARTNER NETWORK.

From data centers and commercial high-rises to sprawling college campuses and global landmarks, Edwards systems are custom-built to safeguard the world's most demanding spaces with unwavering resilience. That's made possible by Edwards certified partners who are hand-selected for their deep technical knowledge, rigorous training, solution-oriented approach, and enduring commitment to clients. These partners have demonstrated the ability to create and maintain systems that are innovative, scalable and ensure performance of Edwards systems even in the most high-complexity projects.



To get your team trained and certified on the MiniLaser aspirating smoke detector, please visit edwardsfiresafety.com



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