



# Intelligent

Signature Series® Detection & Alarm

EST BRAND LIFE SAFETY & COMMUNICATIONS FROM EDWARDS

See what's possible now...

There's  
nothing like  
*Signature*  
Intelligent detection for life safety applications  
s e r i e s

Making the best of true multisensor capability, Signature Series detectors continually monitor the protected space with their on-board sensors, each of which is finely tuned to detect a different characteristic of combustion. All this information is gathered and run through a sophisticated algorithm that compares the sensor readings over time to known signatures of fires. Only when a match is found will an alarm condition occur. This means that a single multisensor detector can distinguish between a harmless puff of dust and a wisp of smoke; between hot, humid weather and a serious life safety condition.

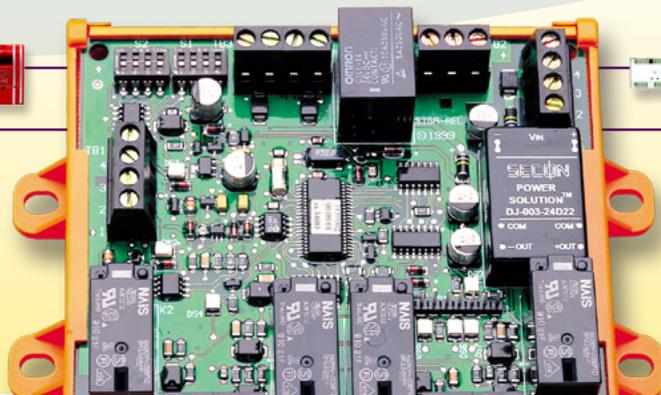
*intelligent*

Signature Series alarm decisions are made right at the detector. This method of distributed intelligence makes for a more robust system, and stable, more efficient communications.



At less than two inches deep, Signature Series duct smoke detectors are ideal for installation in HVAC systems, where space is always at a premium.

The Signature Series releasing module controls sprinkler pre-action routines and the initiation of suppression system deluge functions. It is easily configured in the field and offers a wide range of options to safeguard people and property.





**Reliable**

Photoelectric detectors feature advanced indirect sensing technology for greater optical stability.

**Effective**

Heat detectors include three thermistors for symmetrical thermal response.

**Serviceable**

Carbon monoxide sensor includes its own daughter board for code-compliant end-of-life replacement.

**Modular**

Replaceable smoke chamber, plus an optional carbon monoxide sensor.

**Compact**

Low profile dual sensor design — with independent fire or CO life safety events — is unobtrusive and eliminates the need for two separate detectors.

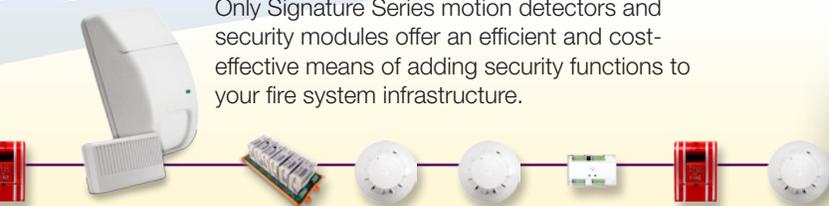
# modular

No building is an island. No application is truly like another. That's why we made Signature Series as changeable as the buildings they go into.

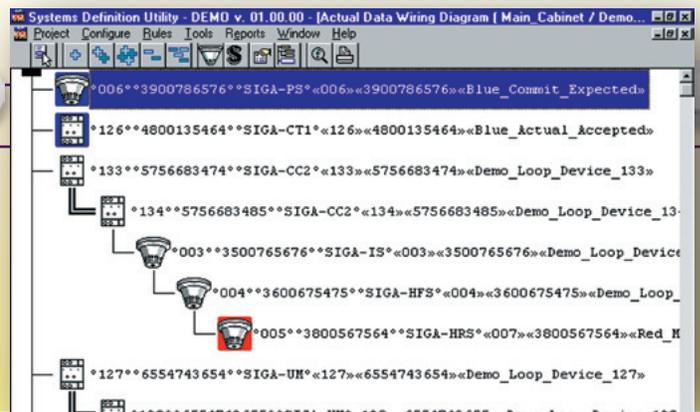
With modular carbon monoxide sensors, Signature Series detectors pull double-duty, continually monitoring the environment for signs of smoke — as well as its invisible yet deadly companion, carbon monoxide. Meanwhile, continuous self-diagnostics ensures reliability over the long-haul, and innovative field-replacable smoke chambers make detector maintenance literally a snap.

# addressable

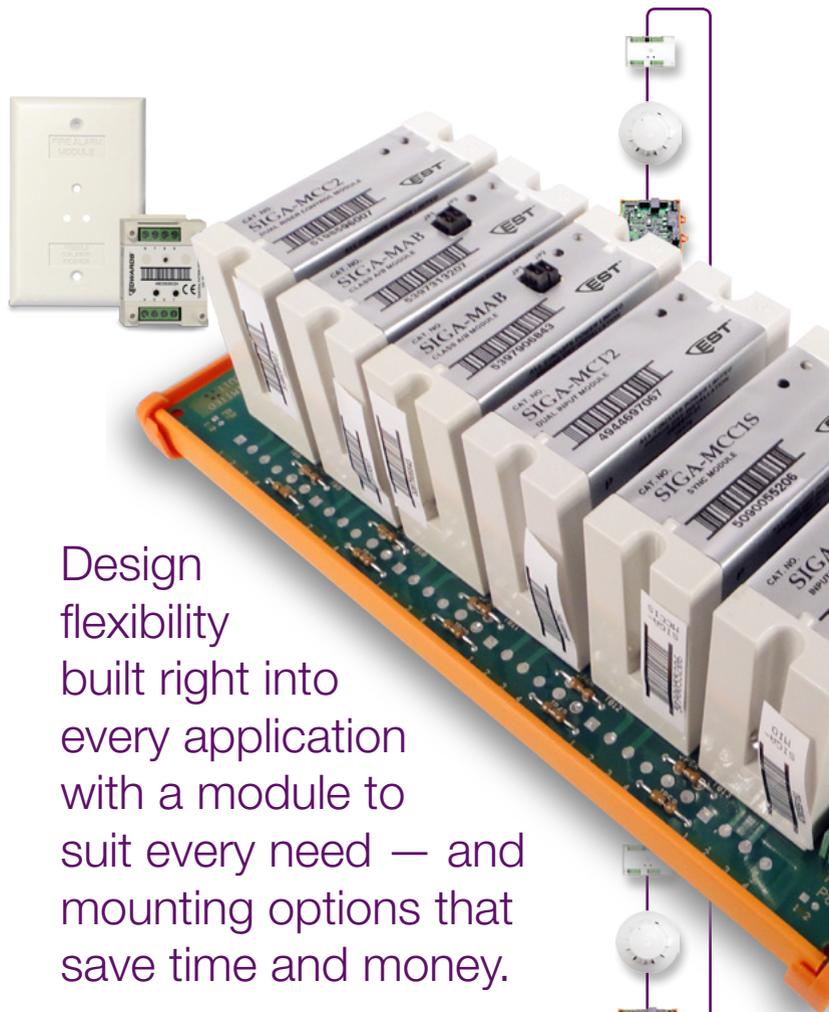
Only Signature Series motion detectors and security modules offer an efficient and cost-effective means of adding security functions to your fire system infrastructure.



Signature Series intelligence features Automatic Device Mapping — a function of the powerful Signature Loop Controller, which maps where each device is installed relative to other devices on the circuit. Thanks to this innovation, device conflicts and unexpected address vacancies are now a thing of the past.



Signature Series input/output modules are powerful yet flexible devices that allow the life safety system to interact with the world beyond its Signature loop controller. The function of each module is determined by an installer-selected personality code, which is set during system configuration. This exclusive Signature Series innovation provides elegant system interoperability — at a fraction of the cost and time when compared with other methods.



Design flexibility built right into every application with a module to suit every need — and mounting options that save time and money.

*cost effective*

Highly efficient Signature Series design means existing wiring can be used in most retrofit situations, while twisted-pair wiring is sufficient for new installations — no shielded cable required.



Capacities are approximate and depend on control panel configuration and specifications. Consult system documentation for details.





With diagnostic routines so accurate that a ground fault can be pinpointed down to the location of a single module address; with environmental compensation and self-testing so reliable that routine sensitivity calibration is not required for NFPA compliance; with automatic day/night sensitivity adjustment, field-replacable smoke chambers, and modular CO sensors — Signature Series is a hands-down favorite among installers and facility managers everywhere.

For good reason too: a Signature Series solution is not only reliable — it pretty much looks after itself as well.

*maintainable*

From our intelligent small building iO systems, to the new EST3X mid-sized solution, and our flagship EST3-Sixty mass notification platform — Signature Series demonstrates that high performance doesn't have to come at a cost premium, and that no truly innovative technology stands still for long.

EST3-Sixty:  
UL listed fire alarm  
and mass notification on a single,  
fully integrated  
platform.



*compatible*

EST3X:  
Equally at home at the center  
of a simple single-building  
standalone system as it is  
as part of a sophisticated life  
safety network.



iO Series:  
The performance of high-  
end intelligent processing in  
an uncomplicated pack-  
age designed expressly for  
small building applications.



Signature Series intelligence protects some of the world's most cherished landmarks because architects and engineers have come to know that a Signature solution is a safe bet. But don't take our word for it. Find out more. Contact your local EST Strategic Partner today.

...and see what's possible now.



**Detection & alarm since 1872**

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