



# Sophisticated.

iO-Series Intelligent Life Safety Systems



EST BRAND LIFE SAFETY & COMMUNICATIONS FROM EDWARDS

See what's possible now...

# Big system performance for small building applications

- ✓ Supports Signature Series intelligent detectors and modules
- ✓ Electronic addressing
- ✓ Automatic device mapping
- ✓ Adjustable detector sensitivity
- ✓ Advanced programming with correlation groups
- ✓ Optional Ethernet port

iO-Series represents a whole new standard for small building life safety, yet it builds on a long tradition of excellence. Drawing on some of the most innovative detection technologies ever developed, iO-Series offers features and benefits reserved exclusively for large big-budget systems – until now.



iO-Series control panels offer the stability and reliability of Signature Series detectors, bases, and modules – the same technology protecting some of the most sophisticated buildings on the planet.

## No more nuisance alarms

With automatic drift compensation, the iO-Series continuously tunes detector sensitivity by adjusting for environmental conditions such as dirt and humidity. Meanwhile, sounder bases eliminate the potential for disruption by providing a local audible alarm until the event is verified. This feature further reduces the risk of nuisance alarms, avoiding the disruption to building occupants, and fire department fines that result.

NFPA-compliant detector diagnostics make annual testing simple and quick. Building occupants aren't overrun with technicians, and sensitive building areas remain secure at all times.

## Retrofits in a snap

These intelligent systems offer a fast and simple way to upgrade from your cumbersome conventional control panel. In fact, the iO-Series can use device wiring from most legacy systems with no effect on performance. This means you don't have to bear the expense of rewiring your building, or endure the disruption it would cause among building occupants.

You also gain the ability to view the status of iO-Series panel history, sensitivity settings, and a host of diagnostics including dirty detector warnings via an Ethernet connection.



Sleek, low-profile Genesis signals are an architecturally-pleasing complement to iO-Series control panels and annunciators.



iO-Series systems are supported by a full line of associated equipment, all finely-tuned to work in concert providing years of trouble-free operation and maintenance.



R-Series remote annunciators keep system indication and control within easy reach of your maintenance personnel at all times.



## Strategic Partners: Your inside track

Our Strategic Partners are independent contractors that form an integral part of the Edwards marketing and support organization. As insiders, they enjoy exclusive access to products, custom design innovations, specialized training, and pricing privileges. Yet as successful independent contractors, they are adept at ensuring that each submittal is strong and competitive, and that each bid is locally relevant to your installation. Find a Strategic Partner near you.

EST brand life safety equipment has been at the forefront of fire alarm innovation for decades. Perhaps that's why these products and systems have come to be the choice of industry professionals around the globe. And why many of the world's most cherished landmarks are protected by technology that bears the EST brand.

From the Bibliotheca Alexandrina Museum in Egypt, to the modern-day sphinx at the Luxor Hotel in Las Vegas, professionals who design, own and occupy the world's most impressive structures know how to recognize a life safety solution they can trust.

Now, thanks to iO-Series, your facility doesn't have to be a national treasure to benefit from advanced life safety technology. iO Series breaks down the small building barrier, and places the inherent reliability of Signature Series intelligent detection at the doorstep of every facility, large or small.



# THE iO-SERIES ADVANTAGE

## ✓ Ethernet Port

*Remote diagnostics and reporting,*

## ✓ Incremental Autoprogramming

*Easy to make changes that keep pace with your building needs*

## ✓ Advanced detection and processing

*Supports Signature Series intelligent detectors and modules*

## ✓ Support for Genesis Signals

*Built-in UL 1971-compliant strobe synchronization,  
plus independent horn silence over two wires*

## ✓ Up to 500 Detectors and Modules

*Large "small system" capacity with lots of room for expansion*

## ✓ NFPA-Compliant Detector Testing

*Fast annual inspections,*

## ✓ Device-level Ground Fault Support

*Pinpoints the location of a device in trouble,  
reduces troubleshooting time onsite*

**iO500:** one loop that supports up to 250 intelligent devices. Can be expanded to two loops. Each loop supports up to 125 detectors and up to 125 modules.

**iO64:** one loop that supports up to 64 intelligent devices of any type.

**iO500:** Four Class B or two Class A NACs

**iO64:** Two Class B or two optional Class A NACs



*Diagram represents an iO500 system wired for Class A operation with a full complement of option cards.*

## iO-Series: A comprehensive suite of options, accessories, and related equipment...

### iO64 Intelligent Control Panel

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Comes standard with one loop that supports up to 64 intelligent devices of any type and two Class B NACs. Configures for Class A wiring with option card.

### iO500 Intelligent Control Panel

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Comes standard with one loop that supports up to 250 intelligent devices. Can be expanded to two loops. Each loop supports up to 125 detectors and up to 125 modules. The iO500 also comes standard with four Class B NACs that can be configured to serve as two Class A NACs.

### Option Cards

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- Dual Line Dialer/Modem supports Contact ID
- Serial Port (RS-232), for connection to printers & computers
- Ethernet Port, Slave, for Ethernet connection to programming, diagnostics and report software
- Class A adapter module. Provides Class A capacity on NACs
- SLC Loop Expansion Module. Adds second loop to iO500 systems, 250 point capacity
- LED Annunciator Module, 16 groups, 2 LEDs per group with insertable labeling

### Signature Series devices

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EST brand Signature Series intelligent analog-addressable devices comprise a comprehensive line of detectors as well as mounting bases, multiple-function input and output modules, and user-friendly maintenance and service tools that achieve flawless reliability with sophisticated sensing and processing driven by true multisensor capability.

### System Accessories

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- City Tie Module. Provides connection to a local energy fire alarm box.
- Isolator Module - RS232. For use with short haul modems.
- Single and Dual Input Signal Modules

### Annunciators & Graphics Drivers

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- Remote LCD annunciator, 4X20 display with common Indictors
- Remote LCD annunciator, 4X20 display with common Indictors and common controls
- Remote LED annunciator, 16 zones (two LEDs each) with common indicators
- Remote LED annunciator, 16 zones (two LEDs each) with common indicators and common controls
- Remote LED annunciator zone expander, 24 zones (two LED each)
- Graphic annunciator driver with outputs for 32 zones, common indicators and, common controls

### Field-configurable Signaling Appliances

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- Genesis Wall & Ceiling Horns, Horn-strobes
- Genesis Wall & Ceiling Speakers, Speaker-strobes
- Genesis Wall Chimes, Chime-strobes

### Related Literature

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- Data Sheet 85005-0131
  - iO64 Intelligent Life Safety System
- Data Sheet 85005-0130
  - iO500 Intelligent Life Safety System
- Data Sheet 85005-0128
  - R-Series Remote Annunciators
- Technical Reference Manual 3101112
  - iO-Series Fire Alarm Control Panels



#### Detection & alarm since 1872

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