



E-FSA

Intelligent Fire Alarm Systems
for Small Buildings



See what's possible now.

An **EDWARDS** brand.

With control panels, devices, and accessories all engineered to work in unison, Edwards products provide reliable performance and the features you need for successful installation and worry-free operation.

Best of all, E-FSA leaves you in control – not hemmed in by a limited product line. In fact, the extensive range of Edwards fire alarm products gives you the freedom to tailor each system to the particular needs of the building – and the budget of the building owner – while a robust feature set leaves plenty of room for upgrades, expansions, and retrofits long into the future.



Up to 20,000 feet of wiring per data loop!

Truly intelligent.

E-FSA250: one loop that supports up to 127 analog/addressable devices. Can be expanded to two loops. Each loop supports up to 127 detectors or 127 modules in any combination.

E-FSA64: one loop that supports up to 64 analog/addressable devices of any type.



Any combination of up to eight LCD, LED, and graphic serial annunciators



Optional second loop (E-FSA250)



- Ethernet
- DACT/Dialer
- RS-232
- Relays: Two Form C, one Form A

Diagram represents a 254-point system wired for Class A operation with a full complement of option cards.



EDWARDS

Trusted fire alarm solutions since 1872.



This trust, earned over many decades, is demonstrated today by the fact that Edwards fire alarm technology continues to be the number one choice to protect some of the world's most impressive structures – from Egypt's Bibliotheca Alexandrina Museum, to the modern-day sphinx at the Luxor Hotel in Las Vegas.

Now, that same rock-solid reliability built into every Edwards fire alarm system is available for small to mid-size buildings. The new E-FSA analog fire alarm system, available from Edwards Signaling, means fire alarm systems just got a whole lot smarter, more responsive, and easier to install & maintain than ever before.

From distributed intelligence and independent alarm processing that allows the use of existing wiring, to wire runs of up to 20,000 feet per device loop, and ground fault detection by device, E-FSA represents a

whole new generation of small building solutions.

This next generation fire panel offers the tremendous power and flexibility of remote diagnostics via IP Ethernet; the reliability of intelligent multi-sensor detectors with environmental compensation; and, the architecturally pleasing design of our low profile Genesis line of signals.

But these industry-leading innovations tell only a small fraction of the story. When you choose E-FSA, not only do you get outstanding value from an easy to install and simple to program fire alarm panel; you'll benefit from a whole family of "smart" control, detection, and notification appliances finely tuned to work together as one— "smart devices" engineered and tested to function as a single cohesive system. Built on a proven reputation and legacy of trust, and meeting the needs of the future--- Edwards is changing the face of small building fire detection.



**Edwards E-FSA:
a cohesive family
designed to work in
concert to deliver
the optimum level of
performance for every
application.**



Get Smart.

Intelligent analog control
for your small to mid-size applications

UL 864 9th Edition Listed

- **E-FSA250 Point Analog/addressable Life Safety Control Panels**
Data sheet S85005-0130
- **E-FSA64 Point Analog/addressable Life Safety Control Panels**
Data sheet S85005-0131

E-FSA life safety systems offer the reliability of analog/addressable fire detection for small to mid-sized applications. Built to provide years of trouble-free operation, these systems offer rotary device addressing, *PinPoint™* ground fault point ID, optional Ethernet® port, and a full line of easy-to-configure option cards and modules including a dual-line upload/download dialer.

E-FSA64 control panels provide one Class A or B device loop that supports up to 64 device addresses, and two 2.5-amp Class B Notification Appliance Circuits (NACs). Optional Class A NAC device wiring is available.

E-FSA250 control panels provide one Class A or Class B analog/addressable device loop that supports up to 127 devices. A second 127-point loop may be added to the E-FSA250 to expand total system capacity to up to 254 device addresses that can be mixed between any type of device, such as detectors and modules. The panel includes four Class B or two Class A NACs.

Ordering Information



Option Cards

SA-DACT	Dual-line upload/download dialer & modem, supports Contact ID.
SA-232	Serial Port (RS-232), for connection to printers & computers.
SA-ETH	Ethernet port for diagnostics and programming.
XAL127	Loop Expansion Module. Adds 2nd loop to E-FSA250, 254 point capacity.
SA-CLA	Class A adapter module. Provides Class A capacity on NACs. E-FSA64 only.
D16L-FA	Local LED display, 16 zones, 2 LEDs per zone. E-FSA250 only

- Ground-fault detection by module
- *WireSaver* feature enables use of existing or new solid or stranded fire wire (up to 20K ft.) for most retrofit applications
- Rotary addressing
- Optional Ethernet port for diagnostics and programming
- Supports horn silence over two wires and UL 1971-compliant strobe synchronization with Edwards low profile notification appliances
- Class A NAC wiring standard on E-FSA250 panels, optional on E-FSA64 panels
- Supports up to eight serial annunciators, (LCD, LED-only, and graphic interface)
- Upload/download remotely or locally
- Automatic drift compensation and maintenance alert reporting
- Pre-alarm and alarm verification by point
- Day/Night sensitivity detector adjustment
- 4 x 20 character backlit LCD display
- Form C contacts for alarm and trouble, Form A for supervisory

Go the distance.

The Edwards E-FSA line of analog addressable initiating devices builds-upon field-proven fire alarm technology that has been at the forefront of the life safety industry for decades. Now your small to mid-sized installations can also benefit from the same high-end technology that's protecting some of the world's most important structures.

Smoke and Heat Detectors

Data Sheet S85001-0592

E-FSA analog addressable detectors feature comprehensive self-diagnostic capability. E-PD and E-PHD optical detectors continuously adjust their sensitivity to compensate for changes in the environment such as the presence of dirt, temperature, and humidity. The detectors issue a dirty sensor warning when they reach their pre-set limit. And, with the world's only replaceable optical chamber, no other detector is as simple or as easy to service.



E-PHD	Intelligent Optical/Fixed Temperature Detector
E-PD	Intelligent Optical Smoke Detector
E-HD	Intelligent Fixed Temperature or Rate-of-Rise Heat Detector
B4U	Standard Base
RB4U	Relay Detector Base
IB4U	Isolator Detector Base
SB4U	Audible (Sounder) Detector Base
AB4G-SB	Surface Box for Audible Base
RLED	Remote alarm LED

Duct Detector

Data Sheet S85001-0592



The E-PDD analog addressable duct detector features a unique design that speeds installation and simplifies maintenance. Removable dust filters, conformally coated circuit boards, and optional water-resistant gaskets keep contaminants away from components, ensuring years of trouble-free service.

E-PDD	Intelligent Duct Detector
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Input-Output Modules

Data Sheet S85001-0611



Designed expressly for small buildings, E-FSA modules are addressable devices that are uniquely identified on the system by means of familiar rotary switches. Unique to E-FSA modules is ground fault detection so precise that it actually pinpoints the specific module where the wiring problem has occurred, saving hours of troubleshooting and wire tracing.

E-IDC1A	Class A Single Input Module connects a normally open, alarm, supervisory, or monitor type dry contact initiating device circuit to the E-FSA control panel.
E-IDC1B	Single Input Mini Module connects a normally open, alarm, supervisory, or monitor type dry contact Class B initiating device circuit to the E-FSA control panel.
E-2WIRE	Class A-B Two-Wire Module acts as an interface between conventional two-wire smoke detectors and E-FSA analog addressable control panels.
E-IDC2B	Dual Input Module Connects two normally open, alarm, supervisory, or monitor type dry contact initiating device circuits to the E-FSA control panel.
E-IDCWS	Dual Input Waterflow-Supervisory Module connects normally open Class B waterflow alarm and supervisory initiating device circuits to the E-FSA control panel.
E-NAC	NAC Module connects a supervised output circuit to a signal riser.
E-RLY	Contact Relay Module provides one Form C dry relay contact and can be configured to provide polarity reversal of its output. Double-gang box mount.
E-ISO	SLC Fault Isolator Module Protects a Class A SLC from total collapse due to wire-to-wire short circuits. Double-gang box mount.

Manual Stations

Data Sheet S85001-0612



Edwards Signaling intelligent manual pull stations are engineered to deliver high-performance features, superb reliability, and unbeatable quality.

E-270	One Stage Fire Alarm Station
E-278	Double Action Fire Alarm Station

See data sheets for complete listings of E-FSA analog/addressable detectors and modules.

Do more with less.

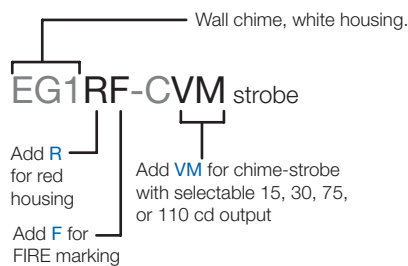
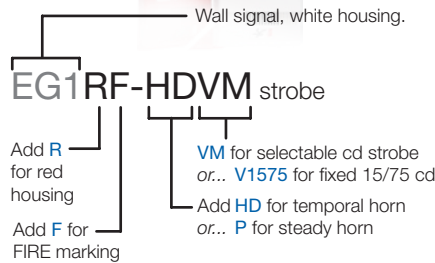
Edwards brings on-demand signaling to every application with an unparalleled range of field-configurable options like horns and chimes with high/low dB output settings, and strobes with selectable candela output and flash rate – options that put you in the driver’s seat when time is short, budgets are slim, and manpower is at a premium.

Only E-FSA intelligent analog control panels work with exclusive Edwards signaling technology that delivers independent horn control over just a single pair of wires. This valuable feature makes it possible to silence horns while the strobes remain active.



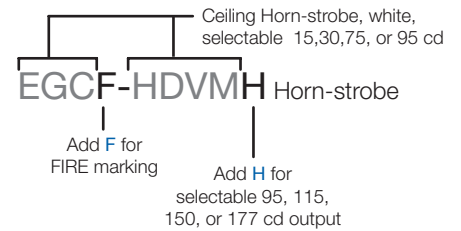
Genesis Wall Signals

Data Sheet S85001-0573



Genesis Ceiling Signals

Data Sheet S85001-0559



Low-profile ceiling signals are rated for wall or ceiling mount applications!

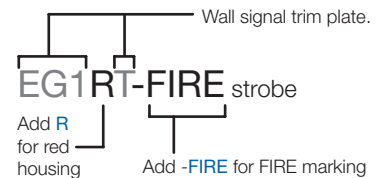


Trim Plates

Data Sheet S85001-0573



Optional trim plates for wall signals are ideal for covering openings left behind during retrofits; red or white models are available with or without “FIRE” marking.



E-FSA panels come standard with the protocol necessary for connecting Edwards Genesis series strobes to meet stringent UL 1971 synchronization requirements – *all without external synch modules!*

Meet the family.

E-FSA represents a complete and comprehensive family of system controls and components, all finely tuned to work in concert with one another. Tested and designed to the exacting standards of Edwards quality control, these system components will reduce installation costs, extend application flexibility and provide years of trouble-free service.

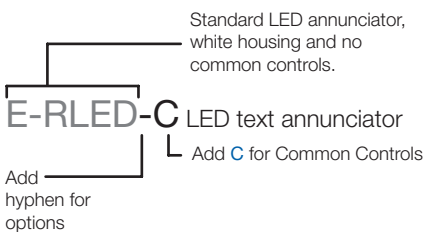
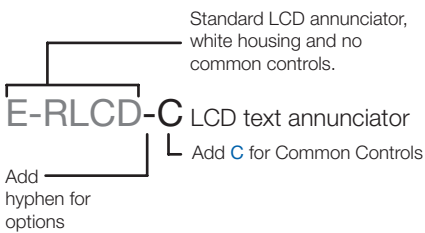
Remote Annunciators

Data sheet S85005-0128



E-FSA remote annunciators provide status indication and common controls for E-FSA Series small analog fire alarm systems. This family of annunciators offers LCD or LED annunciation.

There are three R-Series annunciator models, plus an LED-based expander. Up to two expanders can be connected to any annunciator. The expander includes 24 pairs of LEDs. All annunciator models include status LEDs and an internal sounder.



RLED 24R	24-pair LED zone expander with cable and insert. <i>Add R for red housing.</i>
RA-ENC1	One-position enclosure.
RA-ENC2	Two-position enclosure for annunciator and expander.
RA-ENC3	Three-position enclosure for annunciator and two expanders.

Remote Booster Power Supplies

Data Sheet S85005-0125



Edwards Boosters are self-contained 24 VDC UL Listed fire alarm power supplies designed to exceed today's rigorous UL 1971 ADA candela requirements. Edwards Boosters contain all of the necessary circuits to monitor and charge batteries, control and supervise four Class B or two Class A NAC circuits, and monitor two controlling inputs from external sources.

Simple switch selection provides a wide variety of operational configurations. Each remote booster power supply is supplied with its own enclosure providing ample space for additional interface modules and batteries.

Booster notification appliance circuits easily configure for either of two signaling rates: 3-3-3 temporal or continuous. California rate is also available on certain models. This makes the Booster Power Supply ideal for applications requiring more signaling power than available from the main panel. It also allows independent setup of a notification appliance circuit without interfering with the main control panel and its initiating circuits.

All Booster Power Supplies support Edwards Genesis series low profile notification appliances and offer strobe synchronization that exceed UL 1971 requirements, while providing independent horn control over a single pair of wires. This is the same synchronization protocol available on E-FSA control panels.

Edwards Booster Power Supplies are available with red cabinets only.

EBPS6A	6.5 Amp Booster Power Supply
EBPS10A	10 Amp Booster Power Supply

Magnetic Door Holders

Data Sheet S85001-0421



1501-AQN5	Floor Mount (Single Door)
1502-AQN5	Floor Mount (Double Door)
1504-AQN5	Flush Wall Mount (Long Plate)
1505-AQN5	Flush Wall Mount (Short Plate)
1508-AQN5	Surface Wall Mount
1509-AQN5	Completely Flush Wall Mount



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Edwards Signaling is
an **EDWARDS** brand.

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Edwards: Building on a rich legacy of innovation. Focused squarely on the future.

Edwards Signaling offers powerful solutions that protect people and property with some of the most innovative fire alarm technology ever developed. From integrated life safety systems to intuitive programming and configuration, all of our products undergo rigorous scrutiny throughout their development to make sure they live up to the highest expectations of you, our customer. We invest this extra-effort with one simple goal in mind, to earn the right for our life safety solutions to be selected to maintain safe environments in some of the world's most important buildings – including yours.

When you invest in Edwards Signaling fire alarm products, you invest in a legacy that spans 138 years of innovation, and a team of dedicated people focused squarely on the future. We're already at the forefront of emerging new technologies. And we're investing heavily in fire alarm solutions that will make your world safer.

Edwards offers powerful solutions that protect people and property with some of the most innovative fire alarm technology ever developed. From integrated life safety systems to intuitive programming and configuration, all our products undergo rigorous scrutiny throughout their development to make sure they bring long-term value to every application. So it comes as no surprise that our life safety solutions can be found maintaining safe environments in some of the world's most important buildings.

See what's possible now. Call 800-336-4206
or visit www.edwardssignaling.com/fire.