

Sensible

EST2 Networkable Fire Alarm Control Panels
with Voice Audio



imagination at work

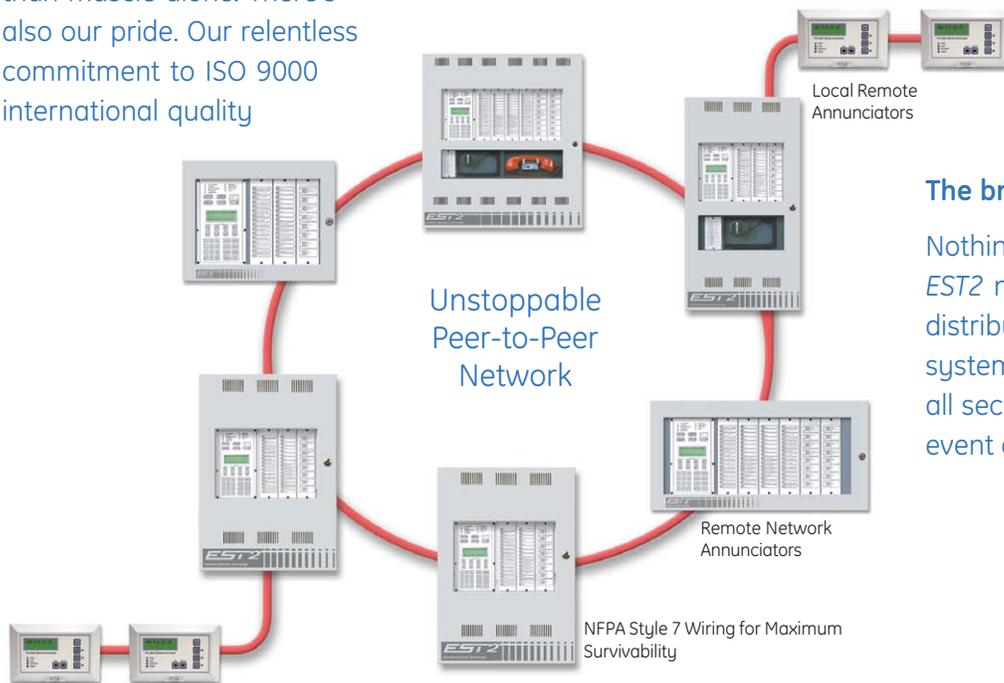
We're not very good

Before the remarkable *EST2* life safety system, only large facilities could justify the installation of such a richly featured, powerful solution. Then our engineers had a better idea: design a modular system that enables a mid-sized building owner to start small, then expand as their needs do. Ultimately, they could gain all the protection of a major life safety system, complete with dual channel audio and network capacity for up to 960 intelligent detectors and almost an equal number of modules.

Of course, there's more built into this system than muscle alone. There's also our pride. Our relentless commitment to ISO 9000 international quality

standards shows in every component — from the manufacture of the simplest control switch to the system's main processor. Our people also take great pride in the fact that our Signature Series line of intelligent analog detectors was selected by Underwriters Laboratories as devices that do not require a calibration sensitivity test in order to comply with NFPA 72.

So whether you need a standalone system or you're faced with finding an economical, yet uncompromising solution to meet expansion needs, read on about *EST2*. It's the system that grows with you.



The brains of a real survivor

Nothing out-smarts disaster like the *EST2* network. Its peer-to-peer design distributes intelligence throughout the system; automatically reconfiguring all sections into sub-networks in the event of a wiring break.



EST2 offers a wide selection of wallbox configurations that take full advantage of its modular design. Doors are available in gray or red baked enamel finishes.



EST2 network annunciators provide global system annunciation and control in remote locations. Up to five annunciators can be used on a single *EST2* network.



LSRA local annunciators mount in standard North American 2-gang electrical boxes. Models are available with common control functions.

at thinking small

Your connection to the industry's gold standard

From the moment it was introduced, the Signature Series family of intelligent devices has been a leader in life safety technology. We designed *EST2* to take full advantage of all the Signature Series features – from cutting-edge multisensor detectors to intelligent input/output plug-in modules with multiple personalities.

Multi-function and dual circuit modules reduce wiring and installation costs. Multisensor technology eliminates detector application guesswork and makes nuisance alarms a thing of the past. Add a SIGA-REL Releasing Module and you've got an ideal combination for suppression system activation.

EST2 Audio: the voice of authority

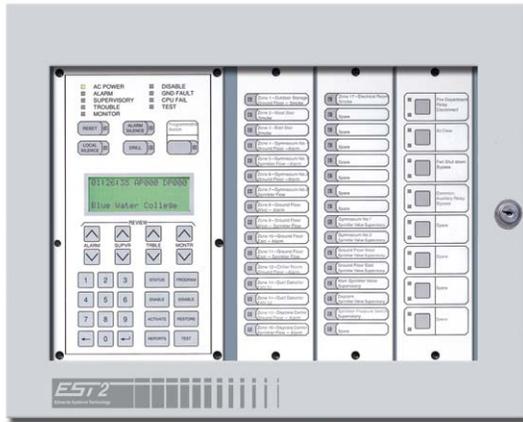
Another advantage of Signature Series is its audio capability. An efficient emergency paging, evacuation signaling and firefighters' telephone system is available in perfectly integrated one- or two-channel packages. The specially-designed SIGA-MDM (Multiple Message Digital Module) comes standard with two 30-second

messages that can be customized on site. With *EST2* Audio in place, your occupants hear a clear, authoritative voice, giving them precise instructions in their native language about when, how and where to exit the building.

The perfect fit for retrofit

Our unique protocol will communicate on wires used for traditional hard-wired device circuits, eliminating the need to replace the existing device wiring with expensive communication-grade wiring. This means you can upgrade your system power and performance to *EST2* standards without the labor time and expense of upgrading the wiring.

What's more, once the *EST2* system has been installed using the Signature Series devices on the existing wiring, the 2-SDU (System Definition Utility) will generate as-built drawing for you. This produces a graphic display of the physical location of all devices on the circuit, including "T-Taps". Print it out or store it in a file as a permanent record of the installation.



Message routing to specific displays brings the benefit of custom message functions normally found in cost-prohibitive high-end systems.



EST2 annunciator modules support up to 96 points or zones through software-controlled LEDs. Modules are available in eight different switch/LED combinations.



EST2 panels offer the stability of *Signature Series* multisensor detectors, bases, and input/output modules, ensuring successful, trouble-free installations every time.



EST2 panels feature generous power supplies finely tuned to the Genesis line of signals. Genesis horn-strobes offer independent horn control over a single pair of wires.

EST2

Layered and modular, EST2 lets you build the system that's best for your application.

Distributed or banked amplifiers

One or two channel audio

Two on-board Class A or B notification appliance circuits

Built-in 15-function tone generator

Alarm, Supervisory and Trouble Contacts

Integral support for Signature Series detectors and modules

576-event history log

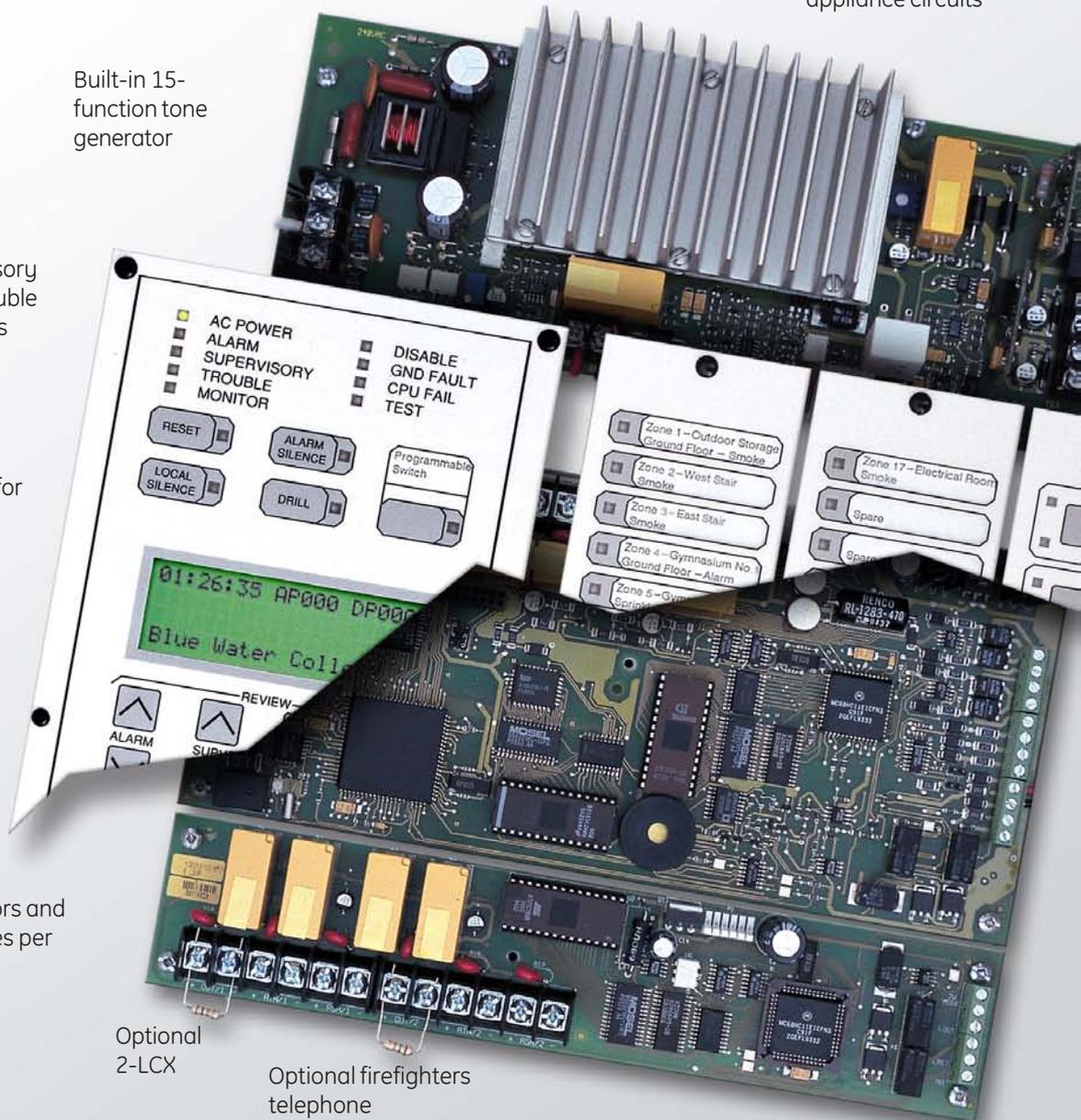
RS232 Port

RS485 Port

96 detectors and 94 modules per circuit

Optional 2-LCX

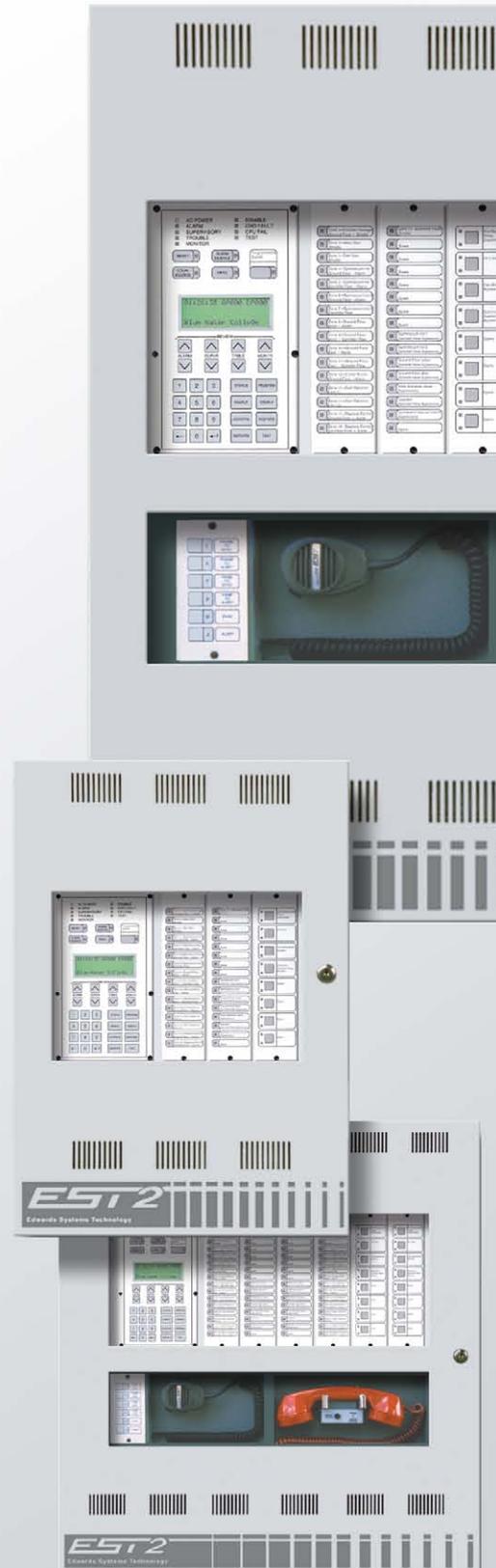
Optional firefighters telephone



World class features within your reach

- **Expansion Capacity To Satisfy Requirements Of Over 95% of Buildings.**
- **Message Review Queue:** Switches are provided for each event type. Events are stored in queue in chronological order, allowing the user to move forward or backward through each queue.
- **History Log:** Up to 543 full message non-volatile history log entries are retrievable to either the LCD or printer. Each log entry contains facility name, licensee of data entry software, project compilation date, compiler version, project revision, and time and date of history request.
- **Reports:** Detailed reports eliminate troubleshooting hours and allow for the most cost-effective scheduling of preventive maintenance. During a service call, diagnostic reports provide valuable data on status and prevailing conditions.
- **Maintenance Indications and Environmental Compensation:** Signature Series devices provide 4- and 24-hour environmental compensation. Maintenance conditions are transmitted by detector at 80% and 100% environmental compensation.
- **One-person Test Mode:** Silent or audible testing plus unique custom programmable test modes permit quick and efficient testing.
- **Four Security Access Levels:** You control who has the ability to initiate actions, time control functions, guard patrol features, request report, and enable and disable points.
- **Central Monitoring Station Connection:** Get automatic notification of panel alarm, supervisory and trouble conditions, and absolute assurance that off-normal conditions will reach your Central Monitoring Station.

- **Power Supply Choices:** Each panel is available with a 4.5 amp or 6.4 amp power supply, providing the full current rating for notification appliance circuits. Two built-in notification appliance circuits rated at 100W are provided as standard configuration. Additional power can be added in 6.4 amp increments.
- **Multiplex Remote Annunciation and Control:** Drive up to 30 remote annunciators per panel, each with a capacity for 96 input/output functions. *EST2* will support custom graphic annunciators and interface with most major brands of existing graphic annunciators and remote LCD displays (with or without local control). Add up to five networked annunciators and enjoy the benefit of full system control and annunciation from any of the remote locations.
- **Built-in Alarm, Supervisory and Trouble Contacts.**
- **Ground Fault Detection by Module:** Enables installers to pinpoint a faulty circuit rather than troubleshooting the entire system.
- **General Condition LEDs** are provided for AC power, alarm, supervisory, trouble, monitor, disable, ground fault, CPU fail, and test.
- **Acknowledgments not required:** *EST2* streamlines event management in a crisis situation. Individual event acknowledgment is not required — only local sounder silence.
- **LCD super-twist backlit display** provides 4 lines x 20 characters of custom message description for each point and zone. *EST2* can also assign whole zone annunciation on the front panel LED strip annunciator. During AC failure, the Power Save feature turns off the backlight until an off-normal condition occurs.
- **Panel-mounted annunciation and control:** Optional LEDs provide the individual zone indications preferred by many fire departments. Control functions can be enabled by dedicated switches rather than keyboard functions, which require passwords and system knowledge.



GE Security

U.S.
T 888-378-2329
F 866-503-3996

Canada
T 519 376 2430
F 519 376 7258

Asia
T 852 2907 8108
F 852 2142 5063

Australia
T 61 3 9259 4700
F 61 3 9259 4799

Europe
T 32 2 725 11 20
F 32 2 721 86 13

Latin America
T 305 593 4301
F 305 593 4300

www.gesecurity.com

© 2005 General Electric Company
All Rights Reserved

EST, and *Signature Series* are registered
trademarks of GE Security, Inc.



imagination at work