

WORLD CLASS SOLUTIONS TO A UNIVERSAL CHALLENGE.



EST LIFE SAFETY PRODUCTS

CONTROL
PANEL

EST /
/// **SERIES** ///

Just because your building isn't the tallest high-rise in town, doesn't mean your fire safety system has to come up short. The mighty little EST1 Series control panel is the ideal solution for low-rise buildings, warehouses and strip malls where cost savings, reliable performance, easy installation and trouble-free maintenance are called for.

Available in models accommodating up to eight zones, EST1 delivers exceptional performance at a bargain price. Not only does it keep an unwavering eye on your business and property with electronic fire watch monitoring 24x7, it detects fire and automatically initiates evacuation sounders and strobes in time to get building occupants out safe and sound. For the ultimate protection of your property and business, you can opt for a Fire Department or Monitoring Station Connection that automatically notifies authorities.

**Customize To
Suit Your Needs;
Local Code.**

At the heart of the EST1 Series lies a microprocessor that enables the control panel to be field programmed. So if you're facing unique occupancy codes requiring special evacuation signals or timing sequences,

it's no problem. Because all necessary customization can be done on site.

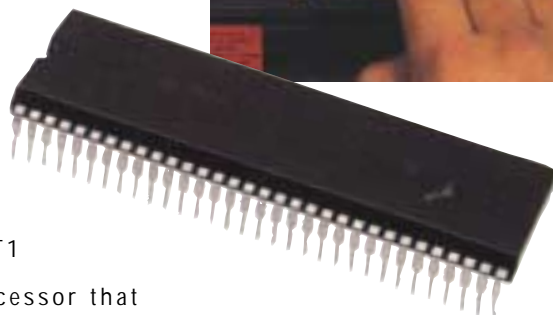
Alarms. True or False?

EST1 Series systems know the difference. In fact, our Smoke Detector Circuits can be selectively programmed to automatically reset upon sensing an alarm, enabling the panel to re-examine the detectors to verify a true alarm condition. We call it "smoke verification". You'll call it a real time- and money-saver. To further insure against alarm nuisances, we've added a unique water flow circuit which provides electronic retard operation. This eliminates costly pneumatic water flow devices, while providing protection against false alarms from water surges.

Maintenance is hassle-free. Testing is as easy as lifting a finger.

Around the clock, the advanced electronics of the EST1 system are constantly measuring analog values from the zone wires and

comparing them to normal parameters. The panel supervises all vital functions including circuit wiring, AC power, standby battery and internal electronics. If a fault is present, it is quickly annunciated on the display. No guess-work. No problem. Meeting agency-required



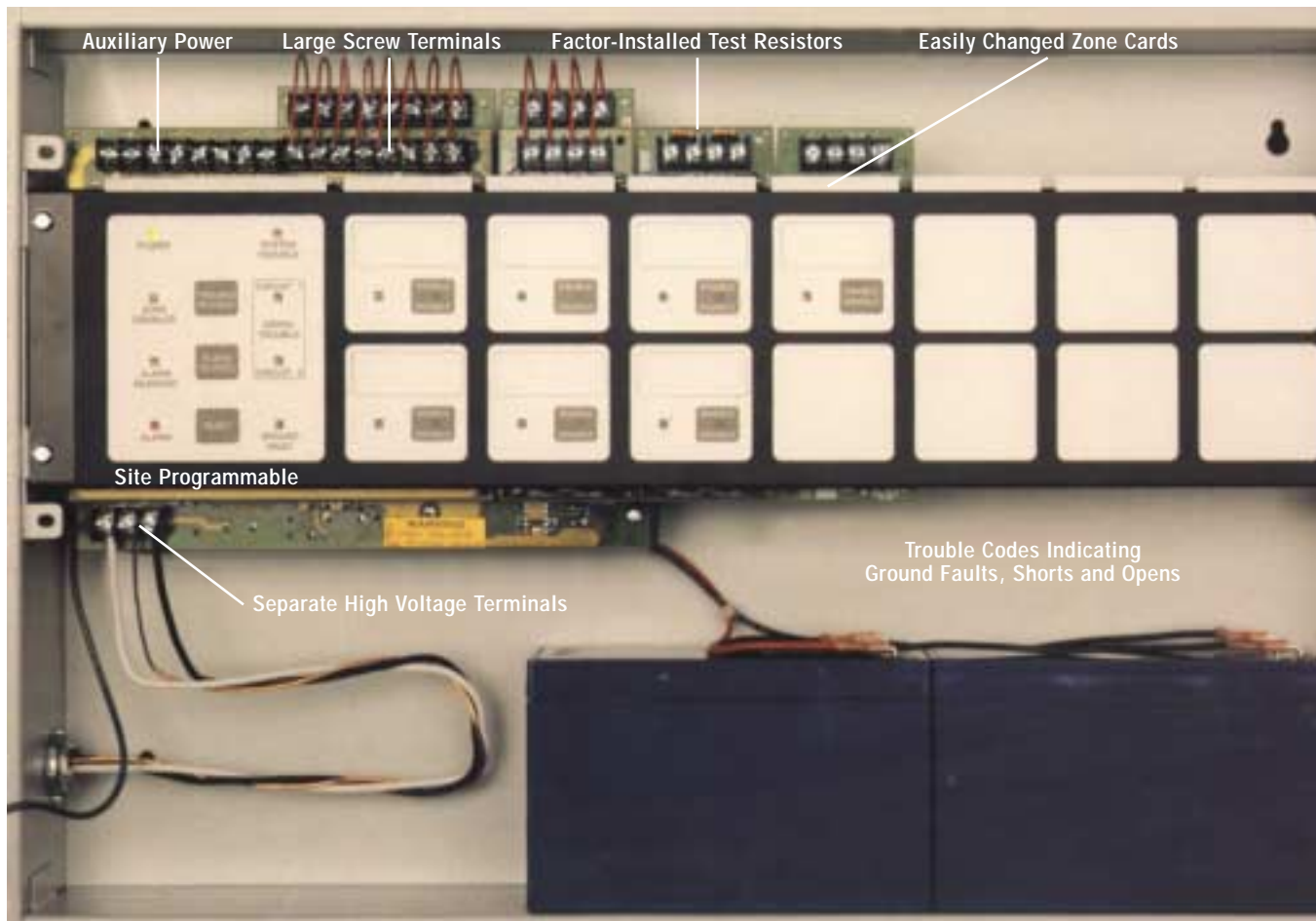
inspection is less costly, too, with our one-man testing feature. Built-in systems diagnostics display historical system codes on an optional wireless service tool. Easy-to-operate zone disconnect switches are provided for each detection circuit, allowing work to be performed in areas while maintaining detection in others.

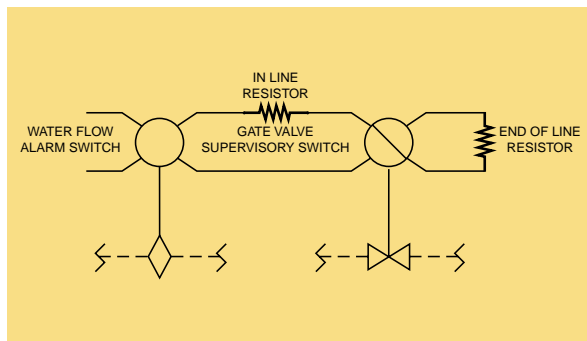
The Installer's Best Friend.

From the beginning, EST1 was designed with the installer in mind. The packaging puts products in your hands in the order you need them. Installation is a series of simple steps supported by a well-illustrated manual. The modular design creates an easily

expandable system, which automatically learns which modules are installed. And out-of-the-box panel is field programmable with automatic default settings.

Large, easily-accessible terminals; quick-fasten half-turn screws for internal panel access; hot wiring with power on; factory test resistors installed; electronic current limiting; and extensive trouble displays all combine to make panel installation and setup a cinch. We've even provided a One-Man zone-coded test feature which codes the zone number in test on the evacuation sounders and then automatically resets the system for testing the next device.





For sprinkler projects, the panel's electronics can distinguish between water flow and supervisory devices installed on the same zone, saving the expense of additional modules and wiring.

Features That Are The Envy Of Large Systems.

- Microprocessor based with built-in programmer
- Non-volatile memory
- Up to eight Initiating Device Circuits (IDC), two Indicating Appliance Circuits (IAC), and

up to three optional module spaces

- 2 initiating device zones
- 2 indicating device zones
- Bi-color LEDs by zone (alarm or supervisory)
- Highly efficient switching 5 amp power supply (4 amp for signals)
- Form C alarm and trouble contacts
- Drill Feature
- Selectable signal rates
- Supports remote annunciator with power and trouble LEDs and an Audible Trouble Signal with Silence Switch (Ringback)

Optional Modules.

- 2IDC Two-Zone Initiating Device Circuit
- RCT Relay/City Tie Module
- BPAC Base Panel Class "A" Converter
- IDCA Class "A" Converter
- * ADMM Annunciator Driver Module
- * ADSM Annunciator Driver Slave Module

System Programming:

Signal Rate Selection: Continuous: March Time 120; Temporal: 10 seconds on, 5 seconds off. March Time: 10 seconds on, 5 seconds off.

Reset Inhibit Timer: Programmable for 0, 1, 2 or 3 minutes

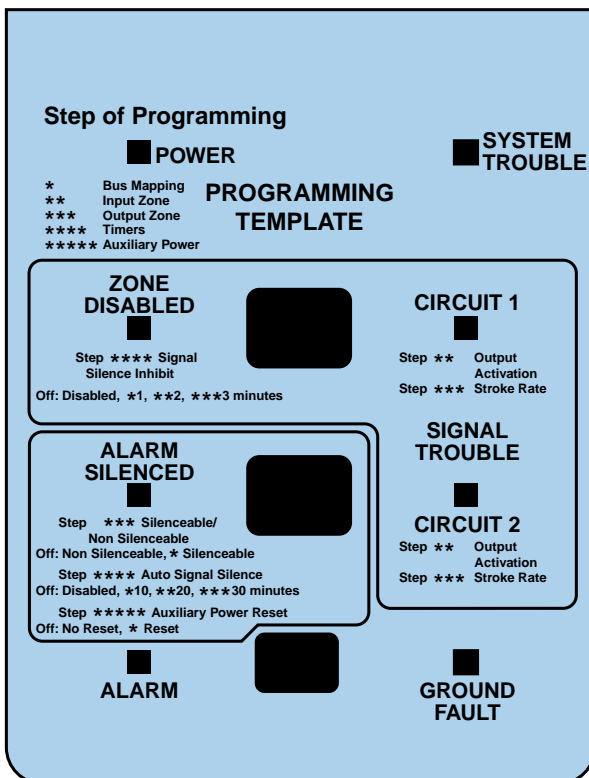
Alarm Silence Timer: Programmable for 10, 20, 30 minutes or disabled

Zone Operation: Any zone can be programmed for Alarm, Water flow or Supervisory

EST1. The Small Wonder In Life Safety Systems.

No matter which side of the equation you're on—building owner or installer—the intelligent answer is EST1. An economical,

Associated Devices:



yet feature-rich solution to the needs of small facilities, it provides the best of both worlds in fire alarm control systems. Right from the beginning, it saves you money with unparalleled programming flexibility and diagnostic information designed to minimize installation risks.

From its first day of operation and on into the future, it continues to earn your confidence. With its superior supervisory and service support tools, it keeps maintenance simple and eliminates false alarms while providing the ultimate in protection for your building, business and occupants.

EST1.

Further proof that wonders never cease.

Ordering Information

Catalog Number	Description	Ship Wt.: lb. (Kg)
EST1-1Z1-220	1 Zone, 220VAC, 50/60 Hz English	12 (5.5)
EST1-1Z1F-220	1 Zone, 220VAC, 50/60 Hz French	12 (5.5)
EST1-1ZS-220	1 Zone, 220VAC, 50/60 Hz Spanish	12 (5.5)
EST1-2Z1-220	2 Zone, 1 Module Space, 220VAC, 50/60 Hz English	12 (5.5)
EST1-2Z1F-220	2 Zone, 1 Module Space, 220VAC, 50/60 Hz French	12 (5.5)
EST1-2Z1S-220	2 Zone, 1 Module Space, 220VAC, 50/60 Hz Spanish	12 (5.5)
EST1-2Z3-220	2 Zone, 3 Module Space, 220VAC, 50/60 Hz English	12 (5.5)
EST1-2Z3F-220	2 Zone, 3 Module Space, 220VAC, 50/60 Hz French	12 (5.5)
EST1-2Z3S-220	2 Zone, 3 Module Space, 220VAC, 50/60 Hz Spanish	12 (5.5)
EST1-2Z6-220	2 Zone, 6 Module Space, 220VAC, 50/60 Hz English	16 (7.3)
EST1-2Z6F-220	2 Zone, 6 Module Space, 220VAC, 50/60 Hz French	16 (7.3)
EST1-2Z6S-220	2 Zone, 6 Module Space, 220VAC, 50/60 Hz Spanish	16 (7.3)
21DC	2 Zone, Initiating Device Circuit Module	0.3 (.14)
RTC	Relay / City Tie Module	0.4 (.18)
ADMM	Annunciator Driver Master Module	0.3 (.14)
ADSM	Annunciator Driver Slave Module	0.3 (.14)
BPAC	Base Panel Class "A" Converter	0.4 (.18)
IDCA	21DC Module Class "A" Converter	0.3 (.14)
4ZA	4 Zone Annunciator	0.5 (.2)
8ZA	8 Zone Annunciator	0.6 (.27)
RTU	Remote Trouble Unit	0.5 (.2)
RTU4ZA	Remote Trouble Unit with 4 Zone Annunciator	0.6 (.27)
RTU8ZA	Remote Trouble Unit with 8 Zone Annunciator	0.6 (.27)

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For more information about EST products, call for your free copy of our comprehensive CD-ROM, or contact the EST office nearest you.

It is our intention to keep the product information current and accurate. We cannot cover specific applications or anticipate all requirements.

All specifications are subject to change without notice. For more information or questions relative to the brochure, contact EST.