



Simplex
Family of Fire and Life Safety Products



TABLE OF CONTENTS

Click on any section

Mission Statement	3	Notification Appliances	12
Control Panels	4	5 reasons why Simplex TrueAlert ES helps you take safety to another level	13
5 ways Simplex fire alarm control panels put you in control.....	5	Find the right notification products and capabilities for your needs	14
Advanced features for greater protection, easier operation	6	Intelligent features for across-the-board benefits	15
Choose a Simplex fire alarm control panel tailored to your facility's unique needs	7	Take the next step. Put Simplex products to work for you today	15
Detection Solutions	8	Workstations and Networking Solutions	16
5 ways Simplex detection solutions exceed expectations.....	9	5 ways to raise the bar for safety with Simplex TrueSite Workstation	17
Manage easier and improve performance with these detector features	10	Enjoy superior control over complex life safety networks	18
Choose from our complete line of detection devices and sensors.....	11	Mount an effective and coordinated emergency response	18
		Simplex workstation solutions	19



As you consider which fire and life safety solution to use for your facility, first look at the reputation behind it. Building owners around the globe trust the Simplex family of fire and life safety products to help protect their facilities – no matter how large and complex – because of their high degree of

RELIABILITY AND EASE OF USE.



The complete range of Simplex fire and life safety products offer real and

SIGNIFICANT ADVANTAGES

to you – and to building occupants
in the event of a fire or other emergency.



A wide-angle photograph of a modern city skyline, likely Bangkok, Thailand, viewed from across a body of water. The foreground features a wooden pier with a metal railing. The city skyline is filled with numerous skyscrapers of various heights and architectural styles, including several prominent towers with reflective glass facades. The sky is overcast with heavy clouds.

Step up to state-of-the-art protection.

CONTROL PANELS



ways Simplex fire alarm control panels put you in control

1

Industry-leading technology. Simplex fire alarm control panels offer some of the most advanced technology to meet some of your life safety and compliance requirements. From intelligent addressability and networking capabilities to remote management and touchscreen convenience – our feature-rich panels lead the market for performance, benefits and reliability.

2

True addressability. Many Simplex fire alarm control panels feature addressable technology that allows you to easily manage each device on your life safety network. The benefits of addressability include lower installation and maintenance costs, the prevention of nuisance alarms, and convenient system self-testing options.

3

Forward/backward capability. You'll always get the most out of your investment with Simplex fire alarm control panels. Forward/backward compatibility allows you to leverage existing infrastructure for cost-effective upgrades and expansions with minimal disruption. In addition, your control panel can serve as the foundation of an integrated life-safety communications system, adding emergency notifications to infrastructure that's already in place.

4

Flexible, tailored solutions. Simplex fire alarm control panels offer a wide range of features and capabilities designed to meet all of your needs. Whether you're looking to protect a single building or a complex campus, our panels offer easier installation, lower life-cycle costs and operational efficiencies. Plus, our small- and mid-sized panels provide the functionality usually associated with larger panels – but in a cost-effective, compact package.

5

Greater value. With greater design flexibility, easier installation, improved operational efficiency and game-changing addressable technology, Simplex fire alarm control panels help you save time, money and labor throughout their life cycle. Whatever Simplex fire alarm control panel you ultimately choose, you'll find they offer the broadest range of features and services to best meet the unique characteristics of your facility.

Advanced features for greater protection, easier operation.

Addressability

Many Simplex fire alarm control panels feature smarter design, better fault tolerance and intelligent addressability, which allows them to manage and integrate with addressable detection and notification devices. This lets you supervise each device for malfunction or failure – plus customize individual device settings – all from your control panel.

Modular design

Simplex fire alarm control panels can be custom-configured to each facility's specifications and capacity requirements. As an additional convenient option, Simplex 4100ES panels are custom-built so they are ready to connect upon arrival.

Intuitive interface

Connect to your panel through the PC-based TrueSite Workstation command center or TrueSite Mobile Client app, which allows you to easily access information from your mobile device and perform a number of operations.

Integration with building systems

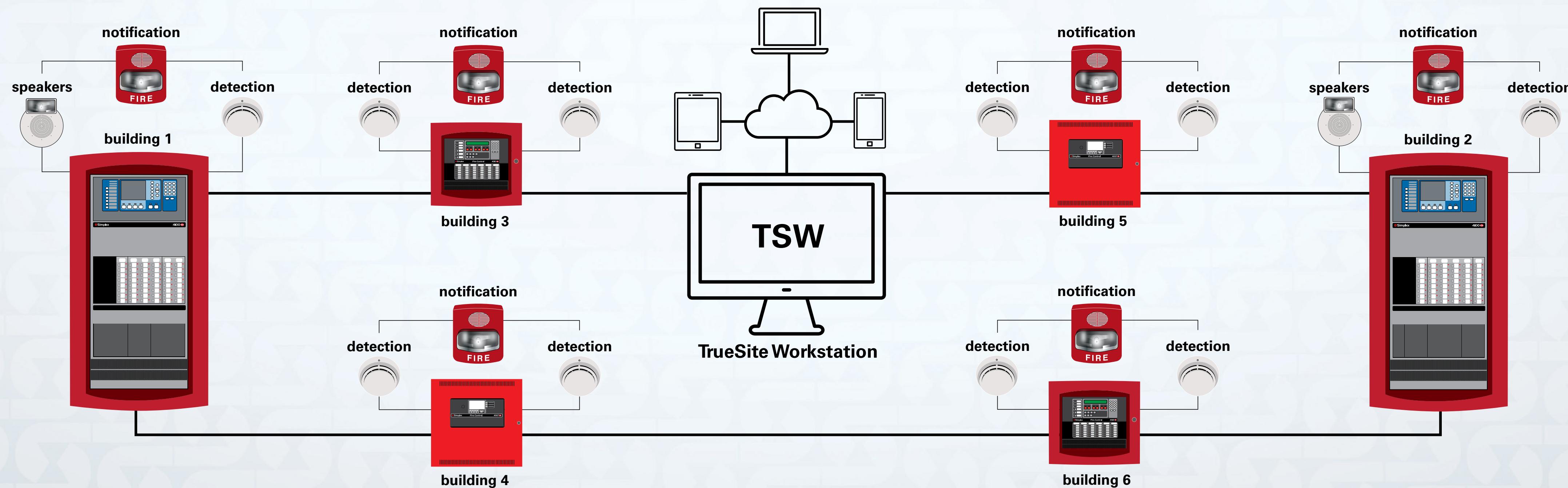
Simplex fire alarm control panels integrate with other systems, such as Johnson Controls' Metasys® building automation system and security systems, which enables the sharing of information and centralized facility control. In addition, you can create a multifaceted emergency response by linking your fire protection system with elevators, door holders, smoke dampers, air pressurization systems and more. Simplex control panels also support popular communication protocols such as BACnet and Modbus.

Future-proofing/upgradeability

The modular design of Simplex panels allows them to incorporate future upgrades and technologies, which makes them ideal for easy and fast expansions.

Regulatory compliance

Simplex fire alarm control panels are UL and ULC listed and comply with a wide variety of industry and jurisdictional requirements.



Choose a Simplex fire alarm control panel tailored to your facility's unique needs.



Simplex 4100ES

The fully networkable Simplex 4100ES supports up to 2,500 points and is designed to handle the complex requirements of medium/large facilities and multi-building campus networks. It features addressable technology, scalable design flexibility, voice notification/audio capability and is listed for multi-hazard suppression release control. An optional InfoAlarm large-screen display includes an intuitive interface that provides a wealth of information.



Simplex 4010ES

The addressable, fully networkable Simplex 4010ES supports up to 1,000 detectors, modules or manual stations – ideal for small- to mid-sized facilities. Labor-saving features available in all Simplex panels, such as device-level ground fault isolation and almost-dirty smoke sensor status reports, help minimize installation time and enable proactive maintenance while preventing nuisance alarms. An optional InfoAlarm large-screen display with intuitive interface is available.



Simplex 4007ES

For smaller facilities seeking advanced Simplex capabilities, the addressable, fully networkable Simplex 4007ES delivers with a compact, cost-effective package. It features multi-hazard suppression release and an intuitive color touchscreen display. Since it's UL cross-listed with most conventional panels, it can replace a conventional panel with minimal cost and disruption.



Simplex 4004R

Designed specifically for suppression release operation, the Simplex 4004R allows you to choose and program a number of releasing sequences right at the panel, so there's no need for an off-line programming tool.

The Simplex 4006 is a conventional control panel that features a built-in DACT for easy connection to central station monitoring, a multi-function keypad and a 2x20 character display. It's perfectly suited for facilities that require five to ten initiating device circuits and four notification appliance circuits.



Simplex 4006

Take the next step.
Put Simplex products to work for you today.

Be sure that your life safety system addresses the unique needs of your facility today – and will be able to take advantage of industry-leading innovations in the future.

As always, Simplex fire and life safety solutions continue to advance state-of-the-art protection, pioneering advanced systems that help make management easier and more cost-effective, and protect buildings and occupants alike.

Choose Simplex fire alarm control panels. Get started today.

Simplex-Fire.com/Panels

The background image shows a modern urban landscape in Shenzhen, China. In the foreground, the Shenzhen Library building is visible, characterized by its large glass pyramid entrance and a curved, metallic facade. Behind it, several other skyscrapers of varying heights and architectural styles are scattered across the horizon under a clear blue sky.

Smarter solutions for greater safety, and efficiency.

DETECTION SOLUTIONS

5

WAYS SIMPLEX DETECTION SOLUTIONS EXCEED EXPECTATIONS

1

Industry-leading technology

The Simplex line of sensors and initiating devices offers performance and reliability. Quick detection of fire, smoke and heat events help protect your people, property and assets while mitigating any potential fire damage. And advanced technology lets you monitor and calibrate the performance of your system in accordance with changing environmental conditions.

3

Tailored solutions for every space

A wide range of Simplex TrueAlarm Sensors and initiating devices lets you choose the right technology for the scope and needs of your facility. Not only do these devices integrate with fire suppression systems where needed, but a solution customized to your specific requirements helps to ensure a more targeted, accurate response.

5

Stronger value

As an integral part of Simplex fire and life safety systems, our sensors and detection devices benefit from innovative design and technology that is reliable and efficient, easy to manage and upgrade, and more cost-effective overall.

2

True addressability

Many Simplex detection devices feature addressable technology, which allows them to function as intelligent configurable devices on a fire detection network. Since they are supervised by the control panel, potential issues can quickly be identified and remediated – saving both time and money while streamlining system management.

4

Significant reduction of nuisance alarms

Of course you want an alarm to work – but only in the context of an actual event. Through our innovative software and electronics, we created a more stable technology for the quickest response with the least nuisance. And with remote diagnostics, you can proactively service a device that is on the verge of creating nuisance alarms.

Manage easier and improve performance with these detector features.

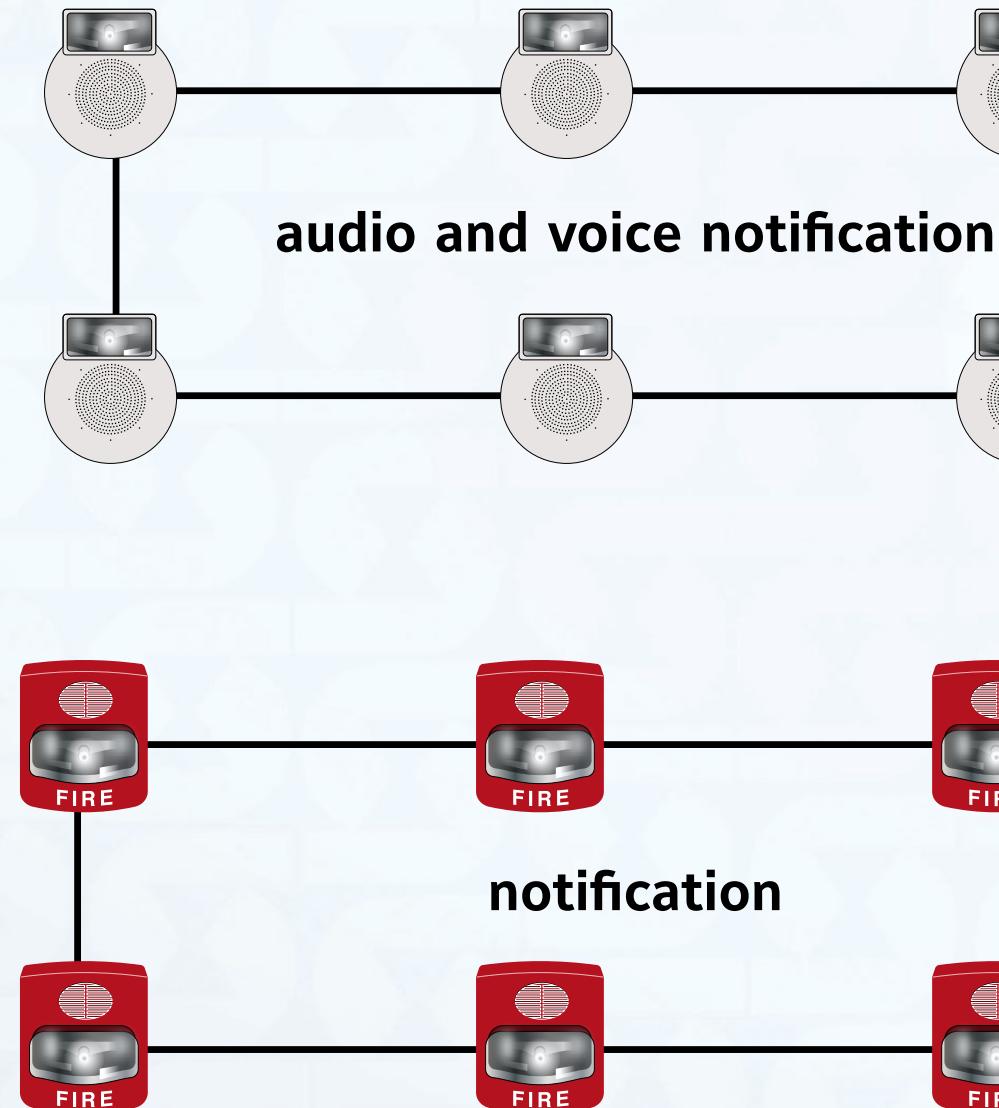
Advanced photo sensor features

Reduce nuisance alarms, fine-tune sensitivity for optimum protection and receive multiple levels of warning that cleaning or replacement is needed.



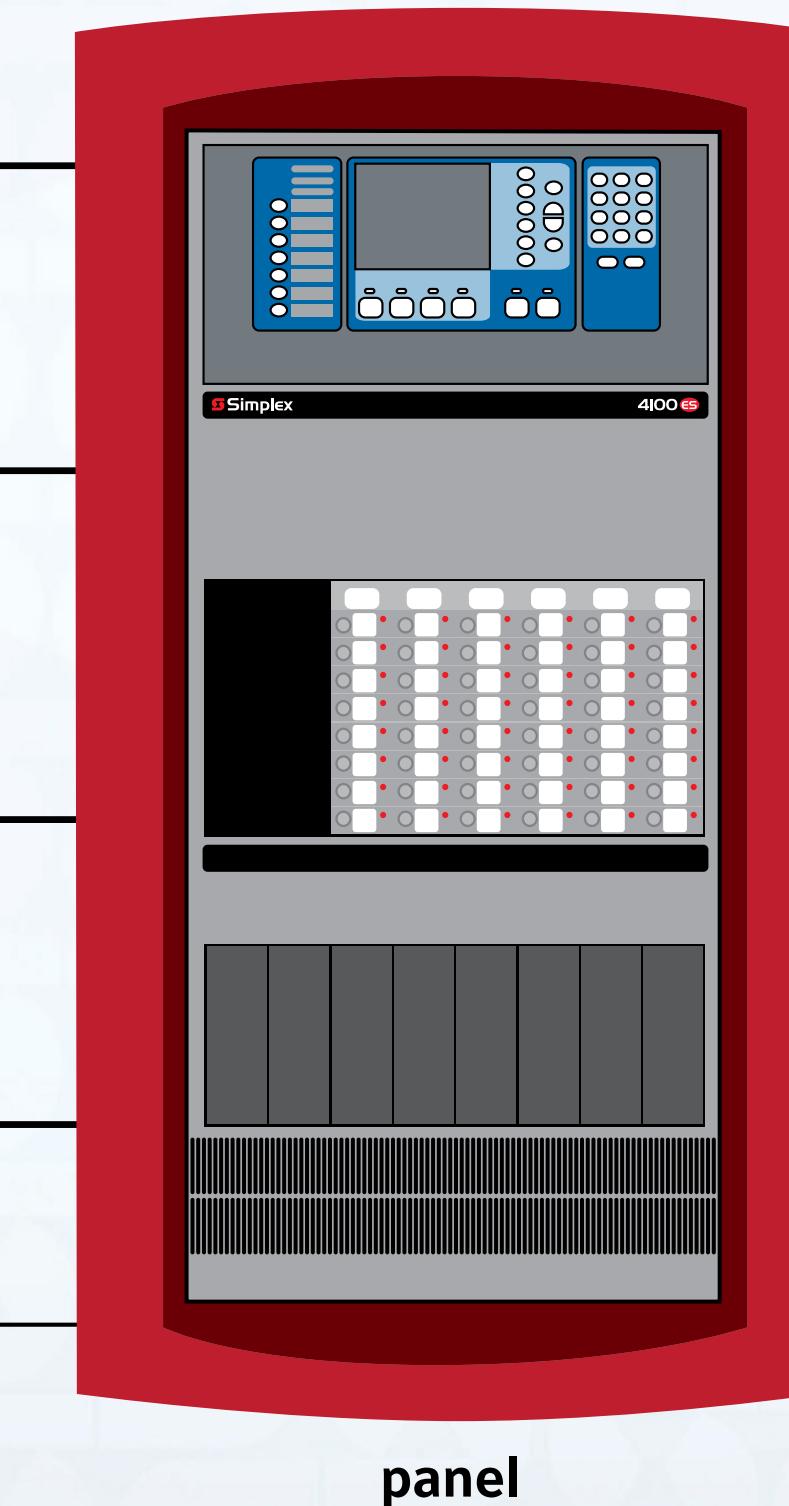
Multi-sensors

Combines multiple types of sensors including smoke, heat, and photoelectric in a single device, providing greater assurance when alarm conditions are met.



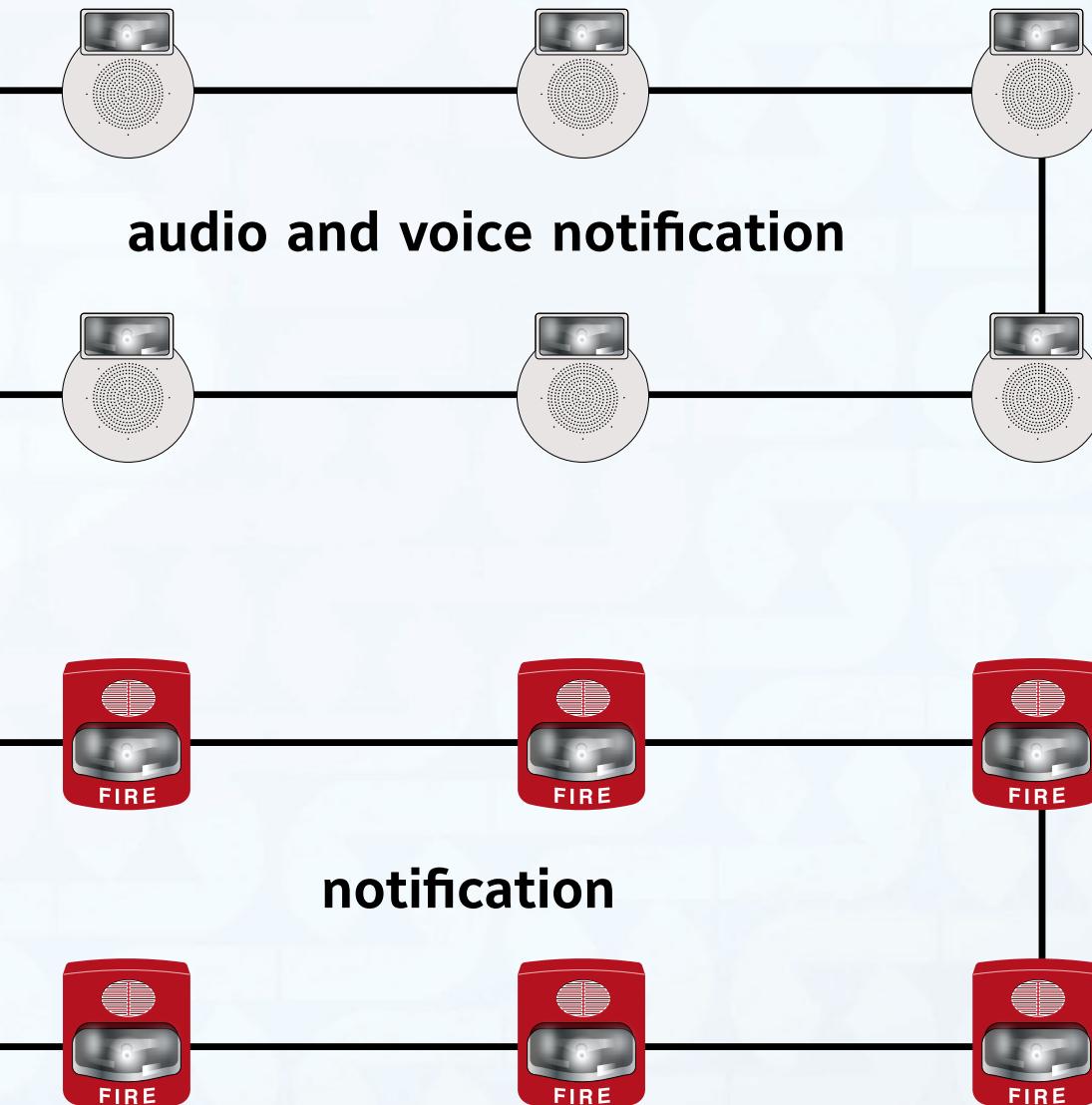
Simplex TrueAlarm technology

By adding fire detection data to enhance sensor performance, this technology enables better evaluation of conditions and reduces nuisance alarms.



Programmable day/night modes

Each sensor can be programmed to update its operation mode. In addition, you can turn specific functions on and off at specific times, giving you the right protection at the right time.



Peak value logging

By providing historical data on how close each sensor has come to its alarm point, this feature lets you more accurately set your system for maximum sensitivity while reducing nuisance alarms. Data is logged and stored within the fire detection control panel.

Device address in mounting base

This feature lets you easily interchange heads without reprogramming, remove heads for service and reinstall them anywhere.



Choose from our complete line of detection devices and sensors.

Easily design a system that addresses the unique characteristics and needs of your facility. Choose from:



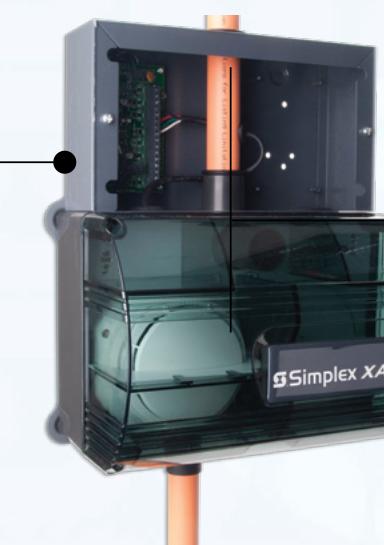
Multi-sensor devices

Multiple types of sensors (e.g., smoke, heat and CO gas) are combined in a single device, which lets you protect against a broader range of fire types, reduce false alarms, and save on wiring and installation costs.



Heat and flame detectors

Simplex heat sensors can be set to alarm according to the rise rate or at a fixed temperature. They can also be programmed by time of day to operate in different modes/sensitivities. Flame detectors combine IR sensors with Digital Signal Processing (DSP) algorithms to validate flame presence.



Addressable duct sensors

Detect smoke in HVAC ducts with these specialized sensors, which are available in aspirating and non-aspirating models for a wide range of environments.



Photoelectric sensors

These devices allow you to detect smoke particles in a sensor chamber and trigger alarms based on their sensitivity setting and the amount of obscuration. Advanced features include drift compensation, automatic sensitivity selection, variable sensitivity by time of day, and dual-stage operation and alarm verification.



Addressable beam detectors

Beam detectors measure the presence and concentration of smoke across an open area using a laser beam and reflector. They are the preferred solution for warehouses, atriums, arenas and other open areas where traditional point-type sensors or aspirating smoke detectors can perform.

Addressable aspirated smoke detectors

These detectors can provide early warning of fire hazards by identifying precursor conditions, such as smoldering or overheated equipment – making them ideal for data centers.



Pull stations and interface modules

Conventional and addressable pull stations, including ADA-compliant models, allow for the manual initiation of alarms. Addressable interface modules let you connect external systems (fire pumps, water flow sensors, air handlers, smoke dampers) to the Simplex system.

Take the next step.
Put Simplex products to work for you today.

Be sure that your life safety system addresses the unique needs of your facility today – and will be able to take advantage of industry-leading innovations in the future.

As always, Simplex fire and life safety solutions continue to advance state-of-the-art protection, pioneering advanced systems that help make management easier and more cost-effective, and protect buildings and occupants alike.

Choose Simplex detection devices. Get started today.

Simplex-Fire.com/Detection

A wide-angle photograph of a modern city skyline during sunset or sunrise. The sky is a gradient of blue and orange. In the foreground, a curved glass and steel walkway leads towards the buildings. The buildings are mostly skyscrapers with reflective glass facades, some showing a golden glow from the low sun. One prominent building has a unique, rounded, sail-like shape. The overall atmosphere is clean, modern, and futuristic.

Groundbreaking technology you can rely on.

NOTIFICATION APPLIANCES

5

reasons why **Simplex TrueAlert ES** helps you take safety to another level

1

Industry-leading technology

Following commitment to innovation and new technologies, Simplex TrueAlert ES notification solutions lead the market in flexibility, performance and reliability. From designing and installing to testing and maintenance – TrueAlert ES appliances offer an easier and more cost-effective way to provide advanced protection for your people and property.

2

True addressability

TrueAlert ES addressability lets each device function as an independent, intelligent unit on your life safety network. Since devices communicate directly with your control panel, you'll immediately be notified in the event of a malfunction. And with revolutionary self-testing options, you can automatically test your entire system in seconds, saving time, money and labor compared with the disruptive and costly after-hours testing of conventional systems.

3

Easier design and expansion

With a flexible wiring architecture, you can go further with less wire while avoiding design roadblocks. TrueAlert ES is also highly scalable, allowing your system to easily grow as your buildings expand or your life safety needs change.

4

Enhanced documentation and reporting

TrueAlert ES device information and test history are conveniently stored in the control panel and can quickly be retrieved to generate reports for compliance purposes.

5

Greater value

With more efficient installation and testing than conventional systems, TrueAlert ES notification solutions save you significant money right out of the gate. Flexible wiring architecture can mean fewer power supplies and batteries are needed, and convenient self-testing can help ensure your system is optimally performing for maximum operational efficiency.

Find the right notification products and capabilities for your needs.

Addressable technology gives TrueAlert ES notification appliances the intelligence to report their location and status to your fire alarm control panel. Design, installation, testing and maintenance are all easier. Discover solutions with horns, strobes, speakers, LED displays, visual messaging and more.



Addressable TrueAlert ES Notification Products

Operating under constant control panel supervision, TrueAlert ES appliances feature next-generation, self-testing capability for ease of management and maximum reliability.



Addressable TrueAlert ES 5900 Series LED Notification Appliances

Compact and energy efficient, TrueAlert ES 5900 Series appliances leverage revolutionary self-testing to ensure system readiness and reduced costs.



TrueAlert ES Addressable Speakers

With sound quality comparable to high-end PA/VA speakers, TrueAlert ES speakers are individually controllable for targeted emergency messaging and also feature self-testing capabilities.



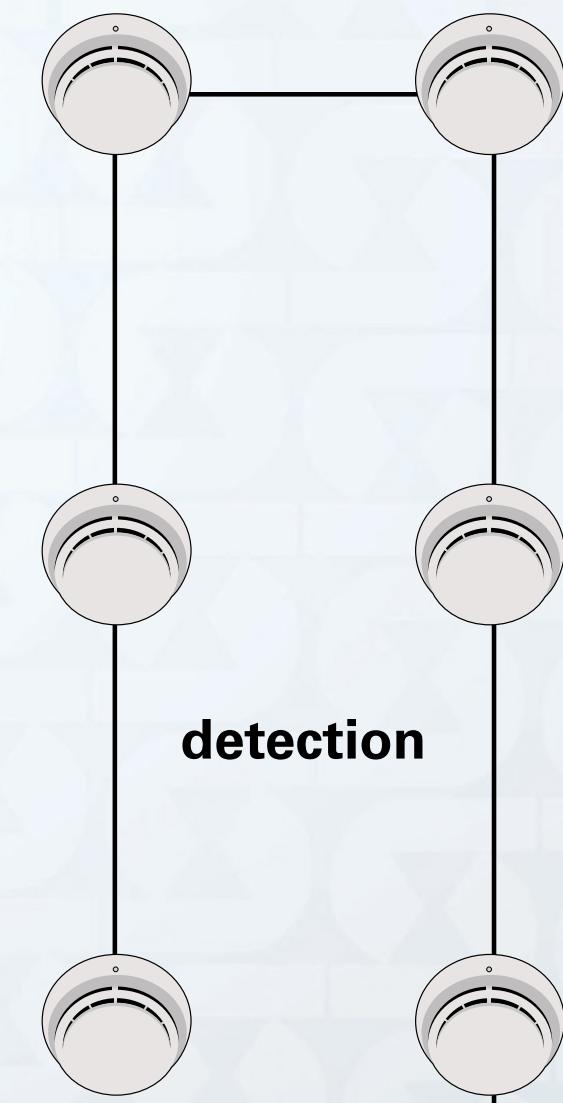
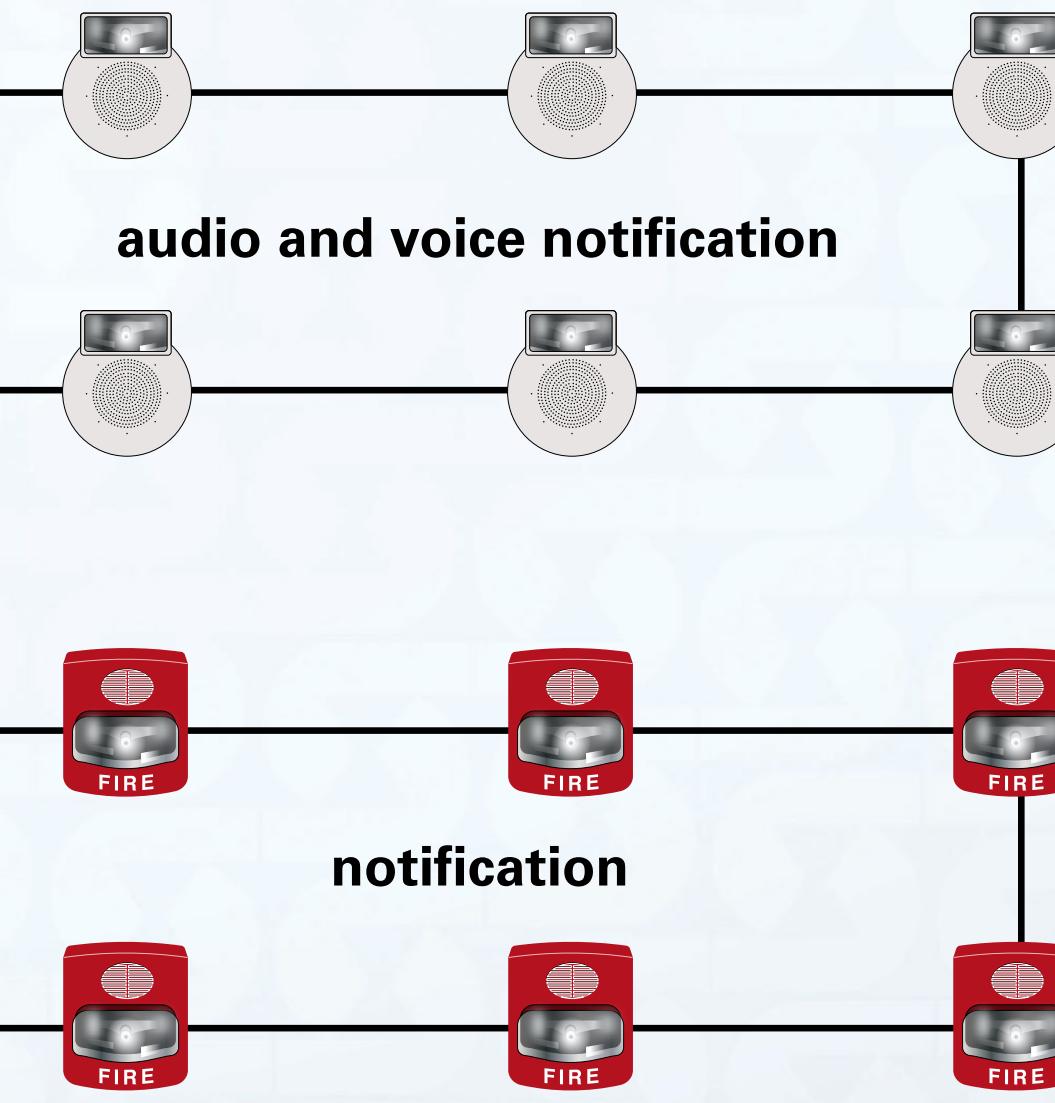
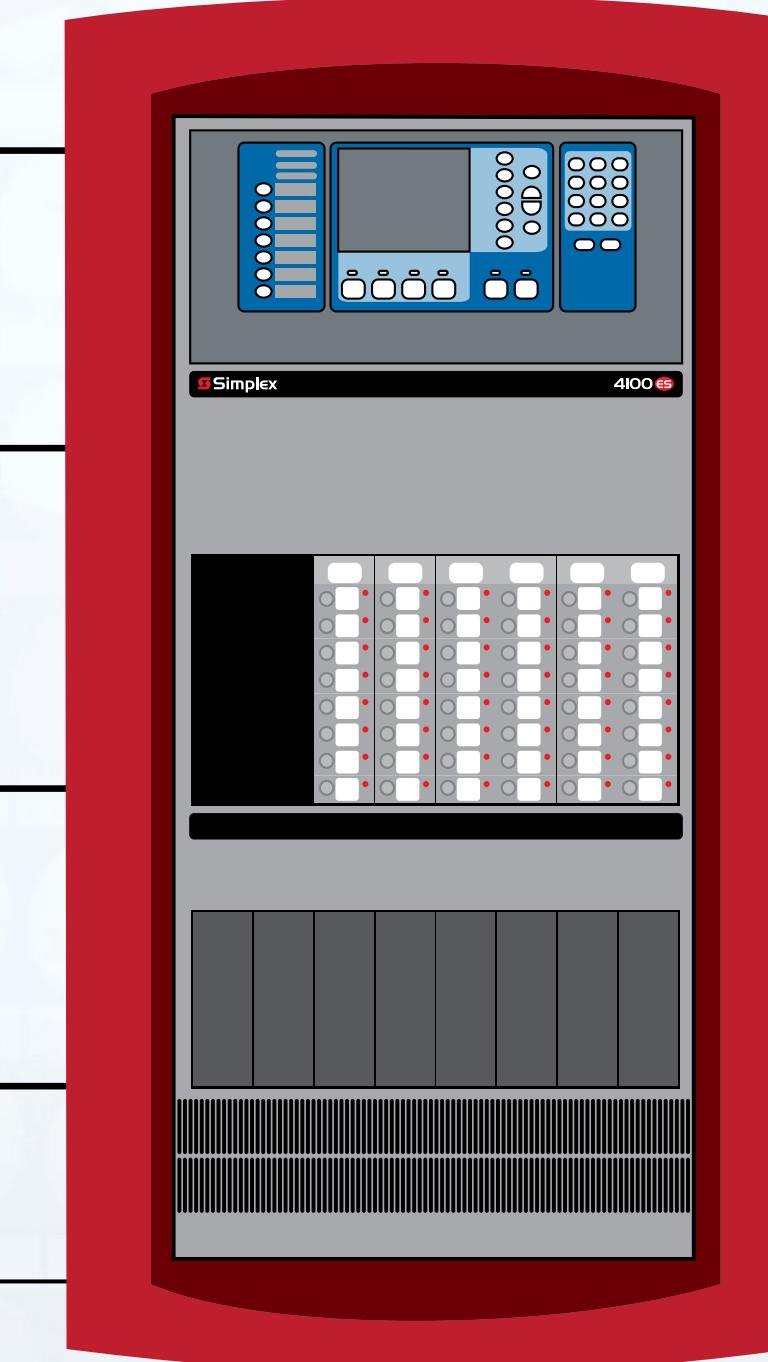
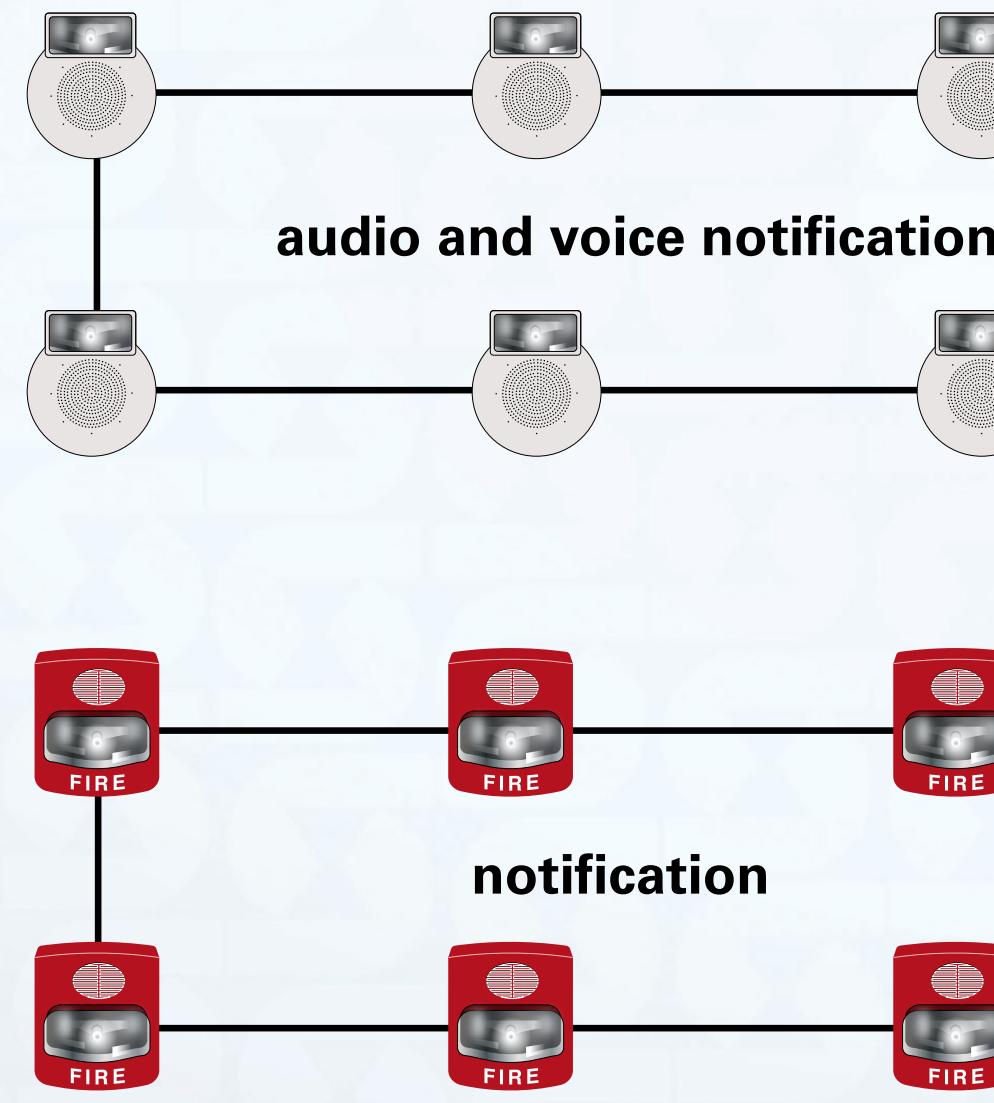
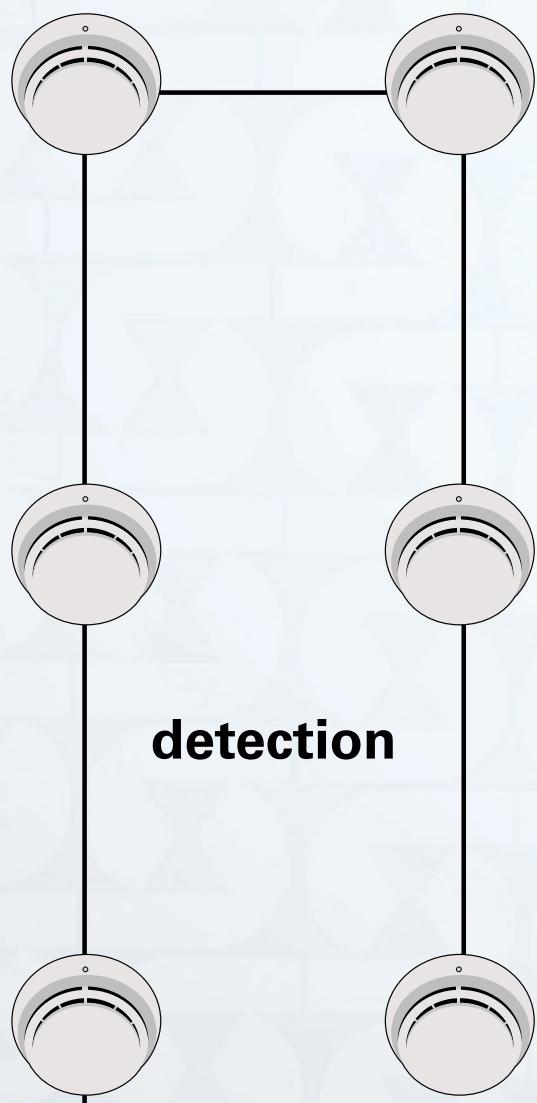
LED Messaging Boards

Managed and powered by your life safety system, LED messaging boards are UL-listed and feature a high-visibility, multicolor text messaging display.



Conventional Notification Products

A full line of wall and ceiling mount appliances ensure a wide range of options for all of your needs.



Intelligent features for across-the-board benefits.

Greater protection, easier installation and increased efficiency. TrueAlert ES addressable technology allows for T-tapping and more appliances to be installed per run – with each appliance individually programmable. Systems are more cost-effective to install and can be fine-tuned to each unique space in a facility.

Self-testing capability

Gone are the days of disruptive or costly after-hours manual testing. The TrueAlert ES revolutionary self-testing capability enables all notification appliances to be tested in seconds.

Application versatility

Capable of handling virtually any application, TrueAlert ES products include multi-tone appliances that are NFPA 72-compliant for low-frequency notification in certain environments.

Less obtrusive and more energy efficient

The latest LED technology paves the way for appliances with greater energy efficiency and a compact, visually pleasing design.

Pulse width compliance with TrueAlert ES 5900 Series

As the industry's first LED appliances to meet NFPA 72 2016 edition notification appliance pulse width requirements, TrueAlert ES 5900 LEDs and strobes can be integrated into the same network.

Take the next step. Put Simplex products to work for you today.

Be sure that your life safety system addresses the unique needs of your facility today – and will be able to take advantage of industry-leading innovations in the future.

As always, Simplex continues to advance state-of-the-art protection, pioneering advanced systems that help make management easier and more cost-effective, and protect buildings and occupants alike.

Choose Simplex notification appliances.
Get started today.

Simplex-Fire.com/Notification



Gain more command over your life safety network.

WORKSTATIONS AND NETWORKING SOLUTIONS



5

ways to raise the bar for safety with Simplex TrueSite Workstation

1 | Industry-leading technology

In complex multi-building environments, the ability to quickly respond to an emergency from a central command center is key to providing optimal protection for people, property and assets. Developed specifically for large network installations, the TrueSite Workstation provides next-generation capabilities that make it an ideal life safety solution for commercial facilities, universities, hospitals, airports and other challenging locales.

2 | Unparalleled emergency response and notification

When an emergency strikes, every second counts. The TrueSite Workstation supports a fast and efficient response by providing color-coded action messages, audio notifications and detailed instructions for responding to specific events as an emergency situation unfolds. Graphical and technical alarm data is displayed on up to four screens, allowing operators to quickly access system activity and mount a rapid response.

3 | Reliable integration, superb survivability

Through its Digital Alarm Communication Receiver interface, the TrueSite Workstation can integrate with panels from other vendors, as well as panels that can't be networked due to their remote location. And since it operates as an actual node on the fire alarm network – providing peer-to-peer linkage with all network panels – TrueSite can continue to operate even if some nodes or parts of the network are impaired due to a catastrophic event.

4 | A powerful platform for streamlined management

The effectiveness of a large fire alarm system not only depends on the breadth and depth of data it provides, but in the ability to centrally manage this wide array of information. And the TrueSite Workstation doesn't disappoint. With standout power, flexibility and ease of use, it can seamlessly process information from thousands of detectors and other devices.

5 | Remote capability for on-the-go access

The TrueSite Mobile Client app brings the functionality and features of the TrueSite Workstation to any Apple® or Android™ mobile device. View system diagnostics and critical information wherever you are for added peace of mind and a more effective emergency response.

Enjoy superior control over complex life safety networks.

The bigger your facility, building or campus, the more potentially complicated your life safety network – and the job of managing it. Today, many facilities consist of hundreds of control panels and thousands of devices – and that doesn't even include other building and security systems.

Simplex workstations streamline the management of your life safety network, giving you superior, industry-leading control. With Simplex workstations, you can easily monitor and control multiple panels and buildings from a single location. But the benefits of robust networking don't end there. In addition to improved uptime and state-of-the art support, the advanced diagnostic capabilities of our high-speed, IP-based ES Net networks let you quickly pinpoint network issues. You can also continually share information by linking your life safety system to other building systems, including the Johnson Controls' *Metasys*® building automation system and other systems that support BACnet connectivity.

Mount an effective and coordinated emergency response.

In an emergency, so much depends on effective and timely management of your life safety system. That's why Simplex workstations offer industry-leading control, flexibility and ease of use. The seamless gathering and processing of information from potentially thousands of sensors and other devices allows you to make well-informed decisions and act quickly during an emergency – even from your mobile device. Simplex workstations also provide action messages, audio notifications and detailed, step-by-step instructions to help guide your response to each specific condition, including how to inform colleagues.

Simplex workstation solutions

Simplex TrueSite Workstation

Designed for large facilities panel and campus environments, the TrueSite Workstation is a PC-based graphical command center that runs on MS Windows and can monitor and control 687 network nodes and up to 100,000 devices. If a fire occurs, a high-resolution graphical display shows all locations on a campus-wide map and individual building floor plans, allowing for an immediate and well-informed response. True peer-to-peer linkage with all network panels helps ensure

continued operation even if individual nodes fail. TrueSite also shows errors and faults and can be used to view and export extensive reports and historical logs.

TrueSite can monitor many control panel brands using agency-listed digital alarm communicators, and stores historical data for up to 500,000 events. If a fire occurs, a high-resolution graphical display shows all locations on a campus-wide map and individual building floor plans, allowing for an immediate and well-informed response.

Simplex Mobile Client

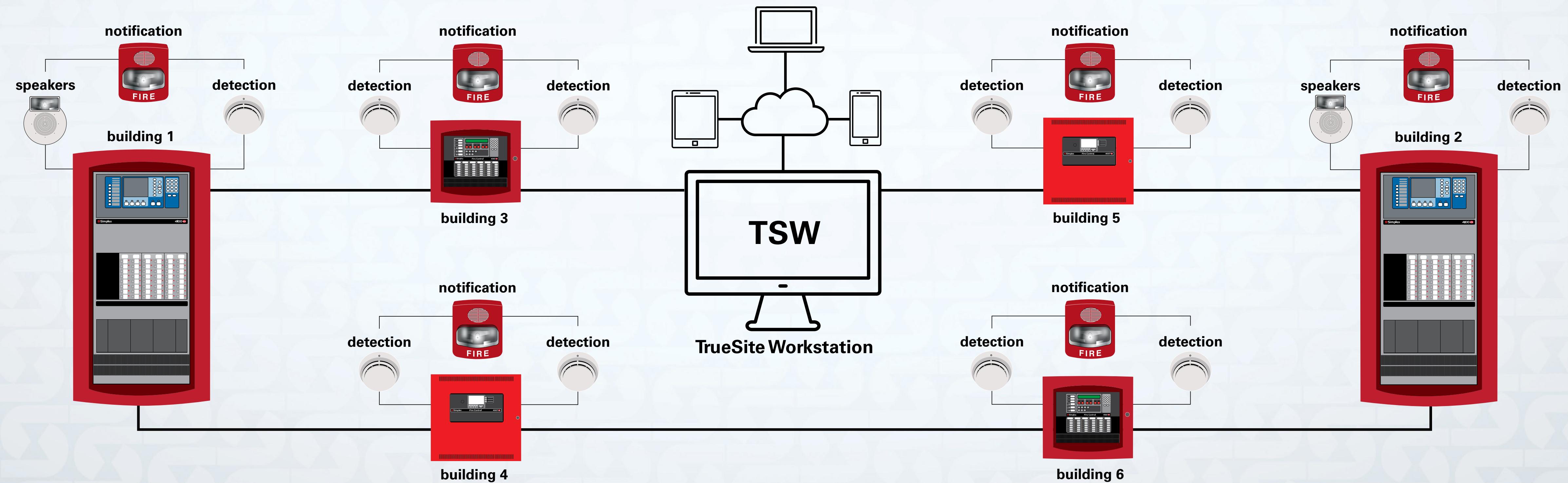
The TrueSite Mobile Client app puts critical fire system information and diagnostics in the palm of your hands. Access all the key features and functionality of the TrueSite Workstation from your Apple or Android mobile device.

Take the next step. Put Simplex products to work for you today.

Be sure that your life safety system addresses the unique needs of your facility today – and will be able to take

advantage of industry-leading innovations in the future. As always, Simplex continues to advance state-of-the-art protection, pioneering advanced systems that help make management easier and more cost-effective, and protect buildings and occupants alike. Choose Simplex workstation and networking solutions. Get started today. Access all the key features and functionality of the TrueSite Workstation from your Apple or Android mobile device.

Simplex-Fire.com/Networking





Simplex

Want more information?
Visit Simplex-Fire.com/Networking

©2019 Johnson Controls, Inc.
PO. Box 423, Milwaukee, WI 53201
All rights reserved worldwide.

Parts displayed are for visual representation only. Actual products may vary.