

# Simplex TrueAlert ES Notification

## What's In It for You?



# / 8 /

reasons  
to select  
addressable  
notification

Advancements in technology can bring exciting, game-changing innovations to an industry. Such was the case in the 1990s, when Tyco Simplex broke new ground by bringing addressable technology to fire detection systems.



Now Tyco Simplex is taking another important step forward, bringing the benefits of addressable technology to notification systems. Simplex TrueAlert ES (eServices) notification is one of the most significant developments in recent years in

the life-safety industry. It is an eServices-enabled solution that promises to revolutionize notification, saving lives, time and money with groundbreaking benefits for engineers, installing contractors, building owners and facility managers.

Here is an overview of the top 8 reasons for selecting addressable notification for your next project.

**/ 1. / Better protection:** Addressable technology gives TrueAlert ES notification appliances the intelligence to report their location ('address' on the system) and status to a Simplex 4100ES fire alarm control panel. In other words, the appliances are electronically supervised—24 hours a day, 7 days a week—by the fire alarm control panel. This improves protection by giving facility managers and system operators the confidence of knowing the notification appliances are functional and always working. With conventional (non-addressable) systems, a manual test

must be performed to determine the operational readiness of a notification appliance. TrueAlert ES, on the other hand, provides constant electronic assurance that the appliances are operational and ready to perform in an emergency.

**/ 2. / More design and expansion flexibility:** There are challenges associated with the design of conventional notification systems. By the nature of the technology, the wiring for conventional systems is restrictive and rather inflexible. This makes it difficult to design systems that are efficient, cost-effective and readily expandable. By contrast, it's far easier for designers to work with addressable TrueAlert ES devices. There are fewer design rules and TrueAlert ES provides the industry's most flexible wiring architecture. When designing a TrueAlert ES system, engineers have more freedom, can go further with less wire and will encounter fewer design roadblocks. TrueAlert ES is flexible, reliable, cost-effective and highly scalable, so the system can grow and expand as buildings change and life-safety needs evolve.

**/ 3. / Faster, easier installation:** Addressable technology makes it possible to cut installation time by up to one third and appliances can be installed with smaller gauge, unshielded wiring. The flexible architecture helps avoid wiring mistakes, so there are fewer installation headaches. Plus, the Simplex TrueStart handheld wiring verification tool enables contractors to test circuits for



wiring faults, identify addressing errors during installation, report device counts, troubleshoot problems and reduce installation and commissioning time.

**/ 4. / Lower costs:** TrueAlert ES appliances can cut installation costs by up to 50% compared to conventional notification systems. Appliances operate at lower current draws, which increases wiring distances by up to 300% and enables more appliances to be connected per circuit. The flexible wiring architecture means fewer power supplies, notification appliance circuits (NACs), control cabinet AC power feeds, and batteries are needed for the notification system. In fact, power supply usage can be reduced by up to 50%. The increased wiring efficiency and reduction in required equipment results in lower costs of ownership. Plus, building owners can cut their operational costs through constant electronic supervision of the notification system and hands-free testing capability, which virtually eliminates costly after-hours testing.

**/ 5. / Efficient Code Compliant Solutions:** Changes to the 2010 & 2013 editions of NFPA 72 introduced 520Hz low frequency signaling for sleeping areas. Our multi-tone horn not only provides a code-compliant setting for 520Hz but also offers programmable and field settings for chime, bell, slow whoop, high/low, and siren to meet any application. In addition the horn, bell and chime settings can be controlled as either Temporal Code 3 or Temporal Code 4 for CO applications.

**/ 6. / Less disruption to business operations:** TrueAlert ES appliances are equipped with built-in light and sound sensors. This enables the fire alarm control panel to detect the operation of the strobe and sounder—and confirm whether the devices operated properly. Testing is simple and quick, which means it can be now performed in minutes—day or night—without disrupting building occupants and operations.

**/ 7. / Stronger documentation and reporting capabilities:** The addressability of TrueAlert ES provides powerful documentation and reporting capabilities for the notification system. Device information and test history is stored, and a Simplex 4100ES panel can generate reports for AHJs (authorities having jurisdiction) and other code compliance officials.

**/ 8. / Optimized value from eService Solutions:** TrueAlert ES is the latest advancement in Tyco Simplex's eService solutions portfolio. This suite of integrated technologies uses the power and connectivity of the Internet to provide value across the life-safety environment, through greater simplification, added efficiency, improved business continuity and lower life-cycle costs. eService solutions from Tyco Simplex now include self-testing of TrueAlert ES notification appliances as well as programming of an entire fire alarm system from a single location, remote service diagnostics for fire alarm systems, dissemination of alarm and event notifications to remote and mobile users, device testing verification using a smart phone, remote fire alarm annunciation over a corporate computer network, electronic inspection reporting, self-service customer portal applications and other web-enabled capabilities.

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