

Anixter Complete
Technology Solutions

PHYSICAL SECURITY SYSTEMS



FIRE AND LIFE SAFETY SOLUTIONS

Technology advancements for fire and life safety systems are highly dependent on regulatory requirements. For this reason, any new technology built into the equipment must undergo a rigorous testing and certification process. The systems must be installed and maintained by licensed and certified integrators and may need to be inspected and approved by the authority having jurisdiction (AHJ) for code enforcement.

COMPONENTS OF YOUR COMPLETE FIRE AND LIFE SAFETY SYSTEM

Control Panel	Controls the system of wired and wireless devices that are connected to the panel for alerting and reporting. Notifies the central station of an event. Allows scalability of the fire and life safety systems beyond the initial installed zones. Available in conventional or addressable versions.
Local Annunciator	Describes the alarm location and provides an interface for programming, arming and disarming the system.
Initiating Devices	Any device that can send an alarm signal to the control panel.
Indicating Devices	Any device that can notify of alarm conditions.
Communication	In event of a power failure, keeps the system running.
Wiring and Surge Protection	Provides connectivity of all components and protection against damage due to lightning or over-voltage to deliver continuous operation of the fire and life safety system.
Mass Communication and Voice Evacuation	Provides clear instructions for how to respond to local alarms, including voice/tone alerts for weather, fire or personal security notifications or situations.

WE ADD VALUE BY ENABLING:

Technology Selection

Systems Interoperability

Project Deployment

The Internet of Things (IoT) continues to be a topic of discussion in the American fire detection market as manufacturers make products “smarter,” with new features and sensors built into the devices; however, the effect of IoT has been limited.

Source: IHS Technology, The Market for Fire Detection & Suppression Products—2016

COMMON CHALLENGES



Keeping current with
FIRE CODES



Preparing for
EMERGENCY RESPONSE



ALERTING AND DIRECTING
occupants



Planning with the
AUTHORITY HAVING JURISDICTION



Incorporating
COMPLIANCE to
legacy systems

TECHNOLOGY SOLUTIONS



Keeping current with fire codes

The NEC and NFPA are the primary codes and standards for fire and life safety systems. All products in the system are required to undergo testing at a certified lab to meet compliance. Working with a licensed fire alarm professional who understands the technical design requirements to meet national and local codes is required.



Preparing for emergency response

Educating building occupants is critical for responding to emergency situations. Emergency notification and guidance for evacuation are instrumental in developing a sound life safety strategy.



Alerting and directing occupants

It is crucial to understand the ambient noise level of the environment for effective notification sounding to reach all occupants. Devices and systems components must meet intelligibility, audibility and illumination code requirements.



Planning with the authority having jurisdiction

The authority having jurisdiction (AHJ) is the local authority that approves and inspects buildings for code compliance. The AHJ may be a building inspector or fire marshal, depending on installation type. In order to pass inspection, the AHJ may require a walk through, design plan review or both. They may enforce additional requirements above and beyond the national code based on the installation environment. Therefore, it is critical to be in communication with the AHJ from the beginning of the planning process.



Incorporating compliance to legacy systems

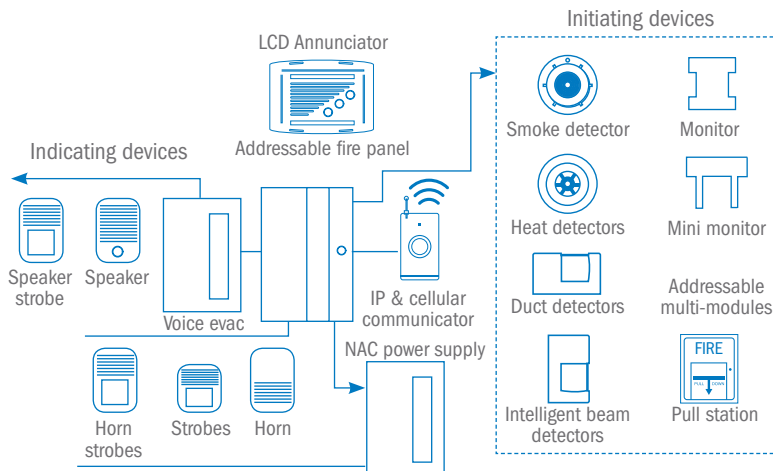
Compliance is of the utmost importance. If legacy equipment needs to be altered, modified or upgraded, the entire system must be brought up to the current national code and local standards. Working with a licensed fire alarm professional who understands the local and national codes is required.

CONCEPTUAL SYSTEM LAYOUT FOR YOUR CONSIDERATION

Fire and life safety solutions supplied by Anixter

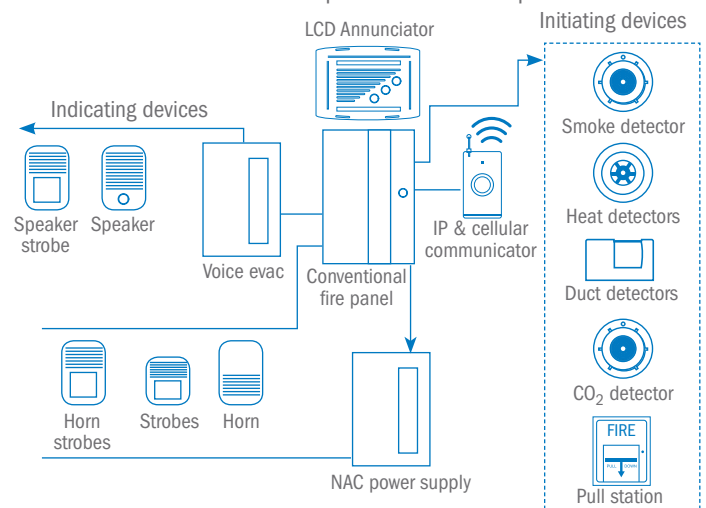
ADDRESSABLE SYSTEM

Addressable systems typically provide greater functionality, ease of installation and faster fire detection.



CONVENTIONAL SYSTEM

A conventional system can be less expensive in terms of product cost and will meet the functional requirements of small premises.



Working with a licensed fire alarm professional who understands the technical design requirements to meet national and local codes is required.

FOR MORE INFORMATION VISIT ANIXTER.COM/SECURITY OR CONTACT YOUR LOCAL ANIXTER REPRESENTATIVE.

At Anixter, we help build, connect, power, and protect valuable assets and critical infrastructures. From enterprise networks to industrial MRO supply to video surveillance applications to electric power distribution, we offer full-line solutions—and intelligence—that create reliable, resilient systems that can sustain your business and community. Through our unmatched global distribution network, supply chain management expertise and technical know-how, we drive efficiency and effectiveness to benefit your bottom line.