



**FEDERAL SIGNAL**  
Safety and Security Systems

*Advancing security and well-being.*

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**SCHOOL & CAMPUS**

## Critical Communications

Instant Alerting to Authorities,  
Two-way Communication and Alerting,  
and Mass Notification

# total solutions.



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# Federal Signal

Federal Signal's Safety and Security Systems has long been acknowledged as a source for both leadership and innovation. A collaborative approach to product development with customers and partners has resulted in an expansive product line that spotlights device interoperability, increased reliability and performance, and extended service life. Look to Federal Signal products for the state-of-the-art features and quality you can depend on today as well as tomorrow.

From alerting and notification systems, to first-responder systems, to in-car video and data systems and much, much more, Federal Signal Safety and Security Systems is working hard to make the world and your community safer and more secure every day.

## InformerAlert Optional Equipment

The radio interface feature is a unique capability of the Federal Signal alerting system. Federal Signal's SmartMsg application allows alerts to be broadcasted directly to radio systems, including text-to-speech messages on a radio system.

The SmartMsg system can be configured to send alerts to phones, text messages, email's and computer pop-ups.

Key fobs represent another advantage available with any Informer-IP solution; adding four additional alert capabilities. To illustrate, this capability could be used to alert the school nurse or maintenance personnel of a problem. A classroom emergency could be preset to alert a 911 center. Key fobs can be keyed to a single or a group of Informer-IPs. An InformerAlert solution can be programmed to meet a school's specific needs based on a risk analysis.

Another capability that can be incorporated into any Informer-IP based solution is digital signage. This feature enables alerts to be displayed on message boards that can be distributed throughout a facility or across a school campus.

Federal Signal is also able to provide a complete line of strobes and speakers to supplement mass notification and alerting of students, staff and others.

## A Non-networked Solution

Another approach to alerting First Responders is the non-networked, straight forward "panic" button-to-radio broadcast. Designed to accommodate situations where networking is not available, this approach automatically broadcasts an alert message directly over an acceptable radio channel such as the police frequency.

### Radio-Alert

Developed for non-networked applications, Radio Alert enables alerts to be directly broadcast to radio via Federal Signal's UVRI pre-recorded digital message system. The system is equipped with a radio and antenna plus full battery back-up. Simply activating a "panic" button automatically initiates pre-recorded messages that are broadcast through the radio system. (See Figure 6)



This solution can be deployed in any number of locations. These automatically transmitted broadcast alert messages can be repeated with pre-determined time delays between re-broadcast.

### InformerAlert - Tier 3

To further enhance the effectiveness of the Informer-IP solution, devices can be deployed right in the classroom. The ability to support classroom-level, single-button alert activation with direct communication to a 911 center serves as a powerful tool in the event of an emergency. (See Figure 4)

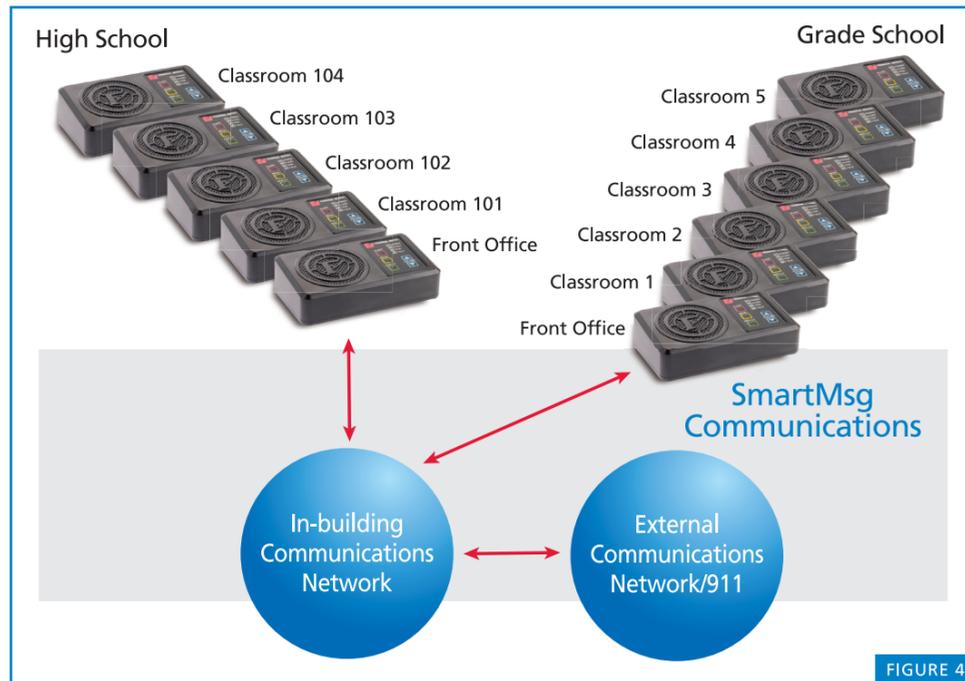


FIGURE 4

This solution also provides the previously cited software mapping capability designed to aid security personnel in identifying the location of activated buttons and speeding emergency response. (See Figure 5)

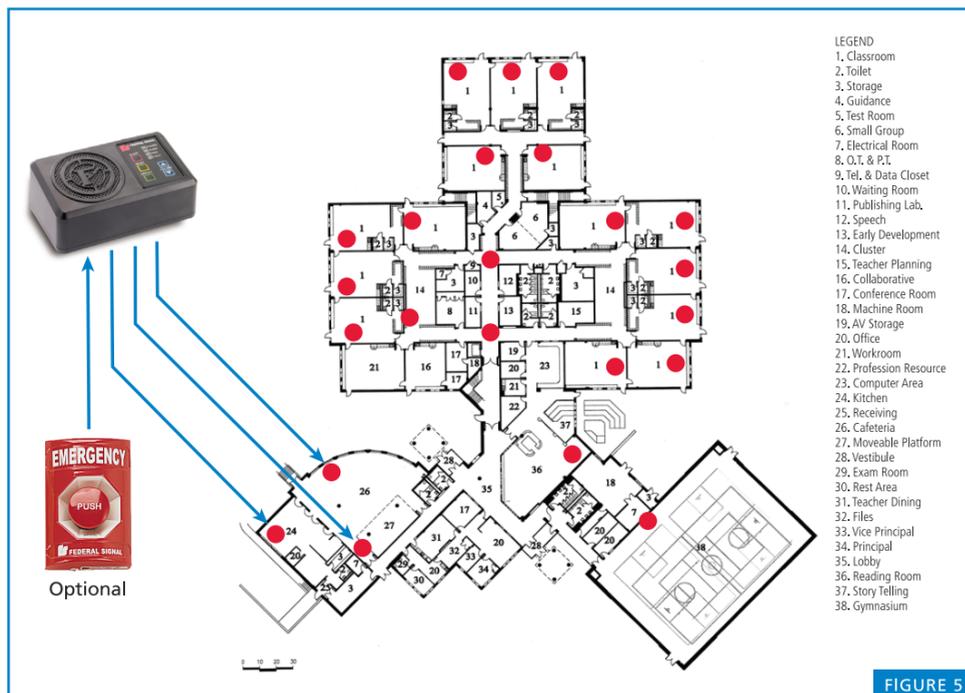


FIGURE 5

## School & Campus Critical Communication Solutions

Long recognized as a leader in alerting and notification solutions worldwide, Federal Signal can partner with educational administrators and public officials to develop effective strategies and solutions to improve communications and response.

School officials simply cannot afford to limit their concern to education alone. Student safety and security continues to be a top priority. Choosing an effective and reliable campus mass notification and security solution is critical to the safety of children and faculty members.

When an emergency occurs, how quickly are you able to communicate with students, first responders, staff and visitors?

Federal Signal offers a variety of campus communication solutions that can be readily customized to your organization's specific safety and security needs. These solutions focus on providing fast and reliable communications in order to notify the school, campus, security personnel, administrators, local law enforcement and other first responders of a significant emergency or dangerous situation on an instant's notice.

Following are a few examples of Federal Signal solutions which can be readily adapted to meet a school district's particular needs. We have developed a series of "tiered" solutions in order to simplify initial implementation. The initial deployment consists of networking a "reception" area with Informers to a 911 center. This approach enables the system to accommodate additional equipment, as needed, such as "panic" buttons throughout a building. Additional Informers can be installed in classrooms to facilitate broadcasting alerts through the device or to a PA system. Optional key fobs can be used as portable in-building alerting devices.



## A Networked Solution

### InformerAlert - Tier 1

Federal Signal's InformerAlert solution consists of Informer-IPs, a two-way indoor alerting device, deployed throughout targeted locations, which in the case of schools and public facilities is typically at the front office or the reception area. The Informer-IP is networked to the SmartMsg servers operating at the 911 center or hosted remotely. (See Figure 1)

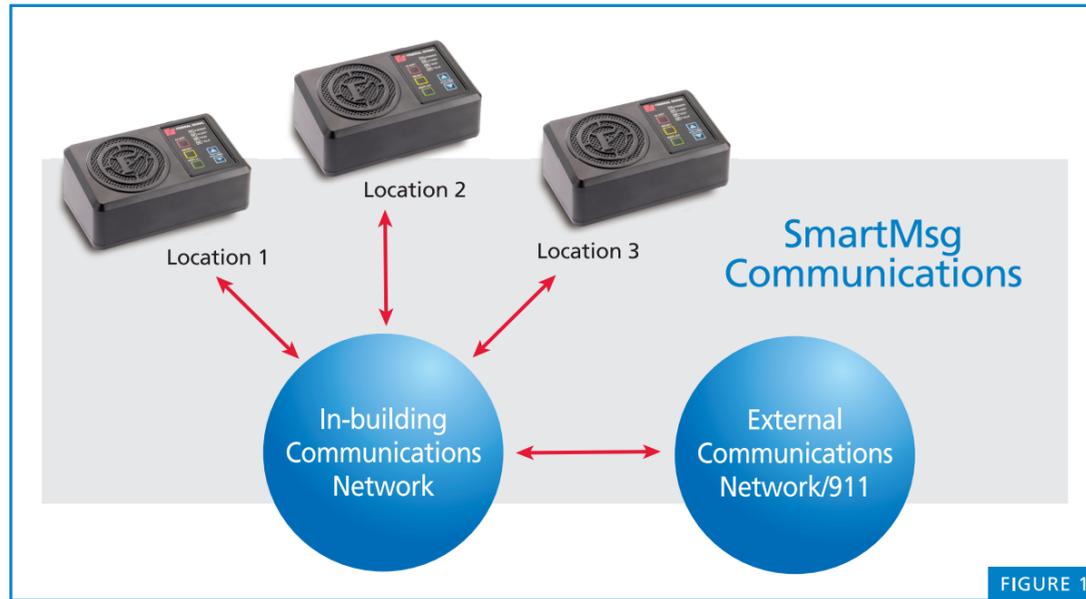


FIGURE 1

The Informer-IP has an "alert" button on each console. When pressed, the "alert" button will immediately initiate a pop-up window/tone alert at the 911 center. The 911 center can then initiate immediate communications with the remote Informer-IP device. A listen/push-to-talk capability is available between the 911 center and the remote Informer-IP. The 911 center can also initiate real-time public address, pre-programmed messages or tones to broadcast over the Informer-IP's built-in loudspeaker.

### InformerAlert - Tier 2

This solution provides additional accessories to increase overall communications coverage. Increasing the number of "panic" buttons provides a simple and effective way to broaden communications coverage. While the Informer-IP is typically equipped with its own device for activation, these additional "panic" buttons can be distributed throughout the facility to further expand communications access. (See Figure 2)

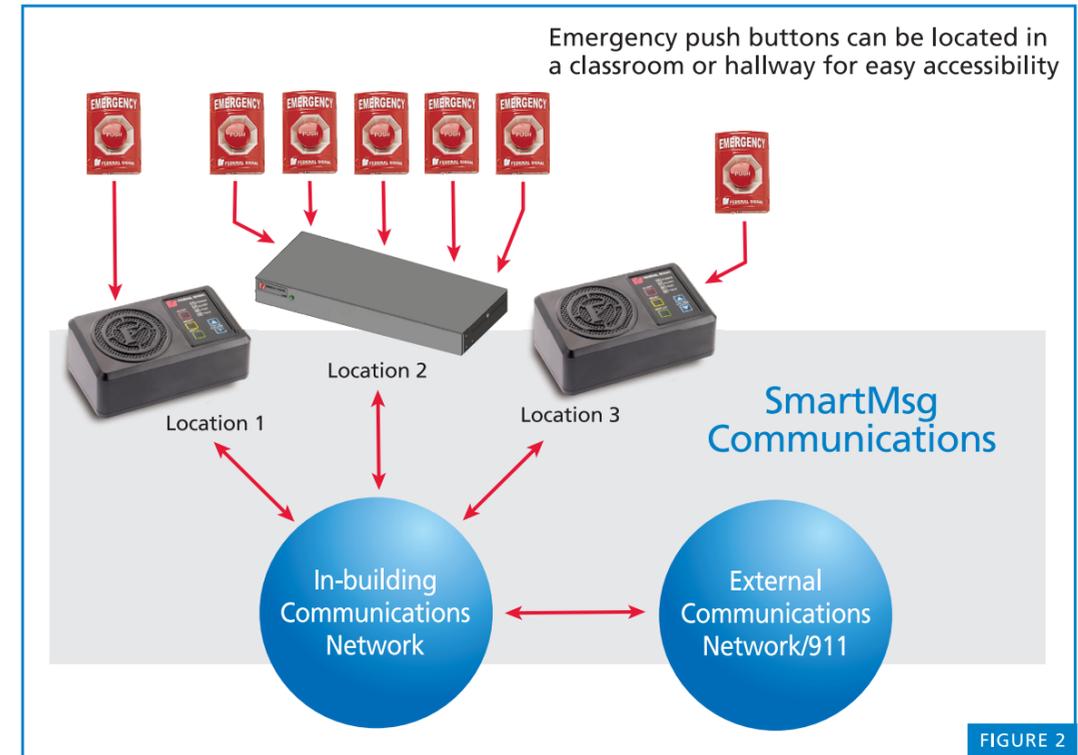


FIGURE 2

The additional "panic" buttons can be identified in the mapping software contained within Federal Signal's SmartMsg system. This allows security personnel to instantly pinpoint the location of an "activated" button on a map to speed emergency response. (See Figure 3)

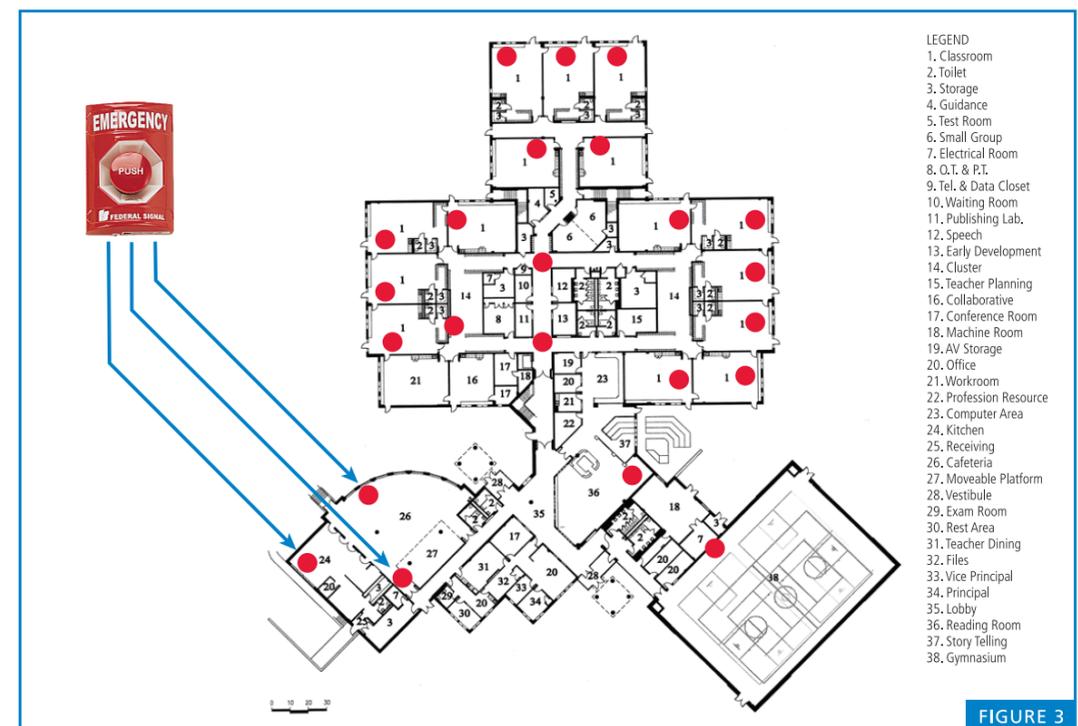


FIGURE 3