FIRST-IN

Fire Station Alerting Systems

WESTNET

It's a different world

More than just laying lines, interior attacks, extrication and overhaul. It's no longer firefighter or paramedic, it's "First Responder". You are the nation's new domestic army, an army that doesn't aim to destroy but to rescue and save. No longer a fire ground or rescue scene but a battlefield.

In this line of work, time has always been of the essence. Now, more than ever before, getting to the scene quickly could make all of the difference.

We are here to help you achieve success.

The First-In® Fire Station Alerting System Provides:

- **A Turnkey Alerting System**
- **Reliable and Dependable Alerting Equipment**
- **Better Response Times**
- **Reduced Firefighter Stress Levels**
- **Unsurpassed, Leading-Edge Technology**

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Response Time

FIRST-IN® FIRE STATION ALERTING SYSTEMS

Recent reports suggest that "barely over a third of departments nationwide meet national standards for response time." Given the diverse range of operations that fire/rescue departments must perform, the environment and scenes have forever changed. "In the 1970s, scientists at the National Institute of Standards and Technology found that at that time, people had about 17 minutes to escape before being overcome by heat and smoke. Today, the estimate is three minutes." Bill Dedman. Deadly Delays: The Decline Of Fire Response, *Boston Globe*, January 2005. Current recommendations of NFPA 1710 indicate optimal response at one-minute turnout time and four-minute response time.

First-In® is specifically designed to reduce response time. Westnet, Inc. understands the critical nature of responding to the scene of an emergency in the quickest time possible. The faster firefighters begin knocking down a fire, the lesser the chance of flashover. The quicker paramedics begin C.P.R. on a cardiac arrest patient, the better the chance of survival. "For years, the conventional wisdom was that help must come within 10 minutes (for cardiac patients). But new findings from the Mayo Clinic show that lives actually are saved or lost within six minutes." Robert Davis. Six Minutes To Live Or Die, From *USA TODAY*, a division of Gannett Co., Inc. July 2003.

WINTER PARK FIRE DEPARTMENT

REDUCED RESPONSE TIME IS CRITICAL TO SUCCESSFUL EXECUTION OF EVERY EMERGENCY SERVICE YOU PERFORM.

FEATURES & BENEFITS

- Reduces Response Time
- Reduces Firefighter Stress
- Multiple Ways of Activation
- Modular Design Versatility
- NFPA Compliant
- Mass Notification
- Pre-Announcements
- Video & Text Messaging
- Increases Firehouse Safety
- Installer Friendly
- New, Remodeled or Existing Stations
- No Need For PA System

The Nature Of The Job

Year after year, the United States Fire Administration reports that "heart attacks continue to be the leading cause of death for on-duty firefighters." U.S. Fire Administration. Heart Attacks Leading Cause Of Death For Firefighters, *Fire Chief Magazine*, October 2002. The NFPA states that "heart attacks due to stress and overexertion are the leading cause of fatal injury and usually account for close to half of total deaths." Rita F. Fahy and Paul R. LeBlanc, Firefighter Fatalities In The United States 2003, *NFPA Journal*, July/August 2004. While the rigors of fighting fires, victim extrication, swift water and structural collapse rescues are for the most part obvious, the stress of receiving alerts in the fire station is not so apparent.

YEARS OF SHOCKING ALARMS AND BRIGHT LIGHTS IN THE MIDDLE OF THE NIGHT TAKES ITS TOLL ON THE HUMAN BODY.

"Few realize that from the time the alarm sounds in the station house until the call clears [and the dispatch is completed] heart rates soar to astonishing levels that may be sustained for more than an hour. Studies show that within 15 seconds after an alarm sounds, heart rates soar 61 beats per minute on average. While resting, our heart beats about 60 to 70 times each minute. Therefore, the heart rate nearly doubles within 15 seconds of an alarm." Garrett Law. Hearts Afire. Kinder Alarm Systems & Physical Conditions May Defuse The Heart Attack Bomb Among Firefighters, *Fire Rescue Magazine*, April 2000.

REDUCING FIREFIGHTER STRESS LEVELS IS A PRIMARY CONCERN.

There Is A Difference

There is a difference between being awakened for a call and being scared to death. As the leader in fire station alerting, Westnet, Inc. has proven that technology can make a significant improvement in the quality of life for fire personnel and the public they serve. Westnet's *First-In Fire Station Alerting System* is the first turnkey solution engineered for firefighters to reduce response time and firefighter stress. *First-In's* patented technology uses *Cardiac Kind* ramped tones and a human voice pre-announcement to awaken firefighters. *First-In Knight Vision Lighting* provides low intensity red light to illuminate dormitories and exit corridors, reducing the cardiac and optical stress of night calls.

LOUD TONES ARE NO LONGER NEEDED TO ALERT FIRE AND EMS CREWS.

The First-In® Solution

Westnet's *First-In Fire Station Alerting System* utilizes a series of remote units placed strategically throughout the fire station to notify fire and EMS personnel of an emergency call in the quickest, safest and most advanced means possible.

The modular design of the *First-In Fire Station Alerting System* provides public safety agencies with affordable equipment options, which range from basic alerting functions to maximum alerting capability and full control of the fire station. Throughout the following pages, you will see an array of *First-In Smart Station® Units* specifically designed to reduce response time and minimize firefighter stress levels.

The *First-In Fire Station Alerting System* provides you with a wide variety of customized alerting methods, design and expansion capabilities, service software, unmatched reliability and unsurpassed technology. Just as each fire department has its own demands, each fire station may have needs unique to the challenges its crews face on a daily basis. A single-company station may only require basic alerting, whereas a multi-company station may need to dispatch several companies at once. As your station's needs grow and change, your alerting system can easily adapt to your new needs.

Master Control Unit

Overview

The *First-In® Master Control Unit (MCU)* is the heart of the *First-In Fire Station Alerting System.* Although the final design of each station may vary, all *First-In Systems* begin with and require the *MCU.*

The *MCU* receives all alerts sent from the dispatch center. Upon activation from Dispatch, the *MCU* sends a pre-announcement throughout the station, notifying emergency personnel of the assigned company, the nature of the call and the tiered response level required.

The *MCU* communicates the pre-announcement and dispatch information through *First-In Smart Station Units*, producing both an audible and visual notification of the alert. For stations that do not utilize *Smart Station Units*, the *MCU* activates the station's existing lighting and public address systems.

THE MCU PRE-ANNOUNCEMENT FEATURE IS CRUCIAL IN REDUCING RESPONSE TIME.

FOLSOM FIRE DEPARTMENT

FIRST-IN®

MASTER CONTROL UNIT™ MCU

MCU Pre-Announcement

As soon as the dispatcher learns the nature of the call, he or she alerts the *MCU* in the station. For example, a pre-announcement of "Engine 3, Cardiac Arrest, Delta Response" designates a medical aid call. Conveying the assigned units, nature of the emergency and response level provides enough information to allow crews to instantly begin responding, thus reducing turnout and company response times. While crews prepare to leave the station, the dispatcher continues collecting additional information. The printout on the station printer provides call details (e.g., incident address, units on the call, call type and other incident information). Together, the pre-announcement and printer information provide all details necessary for the responding company to leave the station. This feature reduces the need for the dispatcher to further communicate with the fire station, which eliminates redundant dispatch information and clears the dispatch channel.

First-In **does not use computer generated phonics.** Rather, the voice you hear is an actual fire dispatcher who custom records your desired pre-announcements, making them pleasant, clear and understandable.

Stress Reduction

Deafening bells used to alert many fire stations are no longer needed to signal an emergency call. The *MCU* uses *Cardiac Kind* tones, which precede the pre-announcement. The tones and the pre-announcement are automatically adjusted in volume for daytime and nighttime. In the morning, the *MCU* tone and pre-announcement audio levels increase, as ambient noise in the station is higher during the day. In the evening, when station noise is quieter, the *MCU* automatically decreases its volume levels. The result is that the *MCU* awakens firefighters without the extreme stress that startling or ear-piercing tones can produce.

THE MCU CAN SHAVE CRITICAL SECONDS OFF RESPONSE TIME.

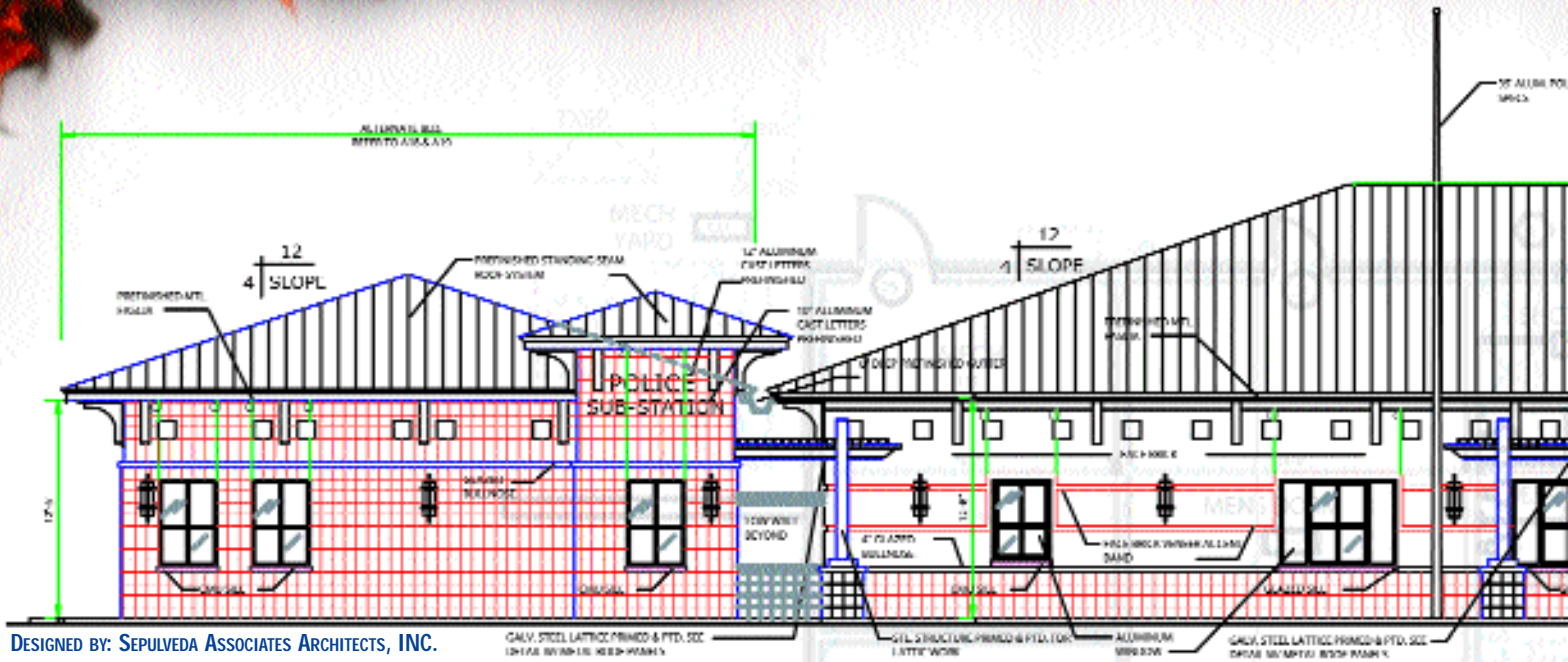LONG BEACH FIRE DEPARTMENT

NFPA 1221, 1710 & 1720

The *MCU* meets the requirements of NFPA 1221 for constant electrical circuit supervision. The *MCU* accomplishes this through the use of polling when using serial data, Ethernet data or radio frequency (RF) to alert the station. The *MCU* checks its connection with Dispatch at a predetermined variable, such as every 10.5 seconds. Polling provides instant notification of a network or alerting system anomaly. This feature enables the crew, Dispatch, fire and communications personnel to begin proactive, rather than reactive, correction of any difficulties that may occur. This, in turn, greatly reduces the chance of a missed call.

First-In also assists fire departments striving to meet NFPA 1710 and 1720 recommendations for response time objectives. The pre-announcements and *Smart Station Units* help departments reduce response time and arrive quicker on scene.

Building A Smart Station

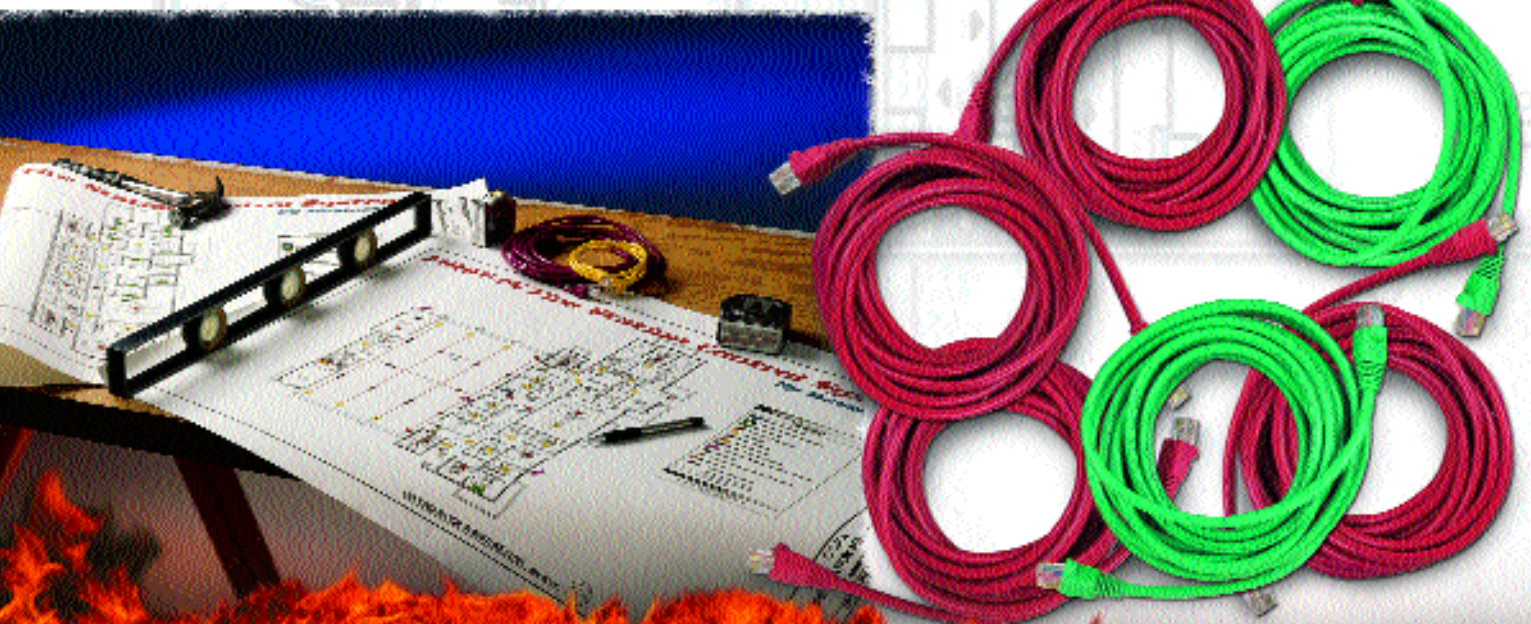**Designed by: Sepulveda Associates Architects, Inc.**
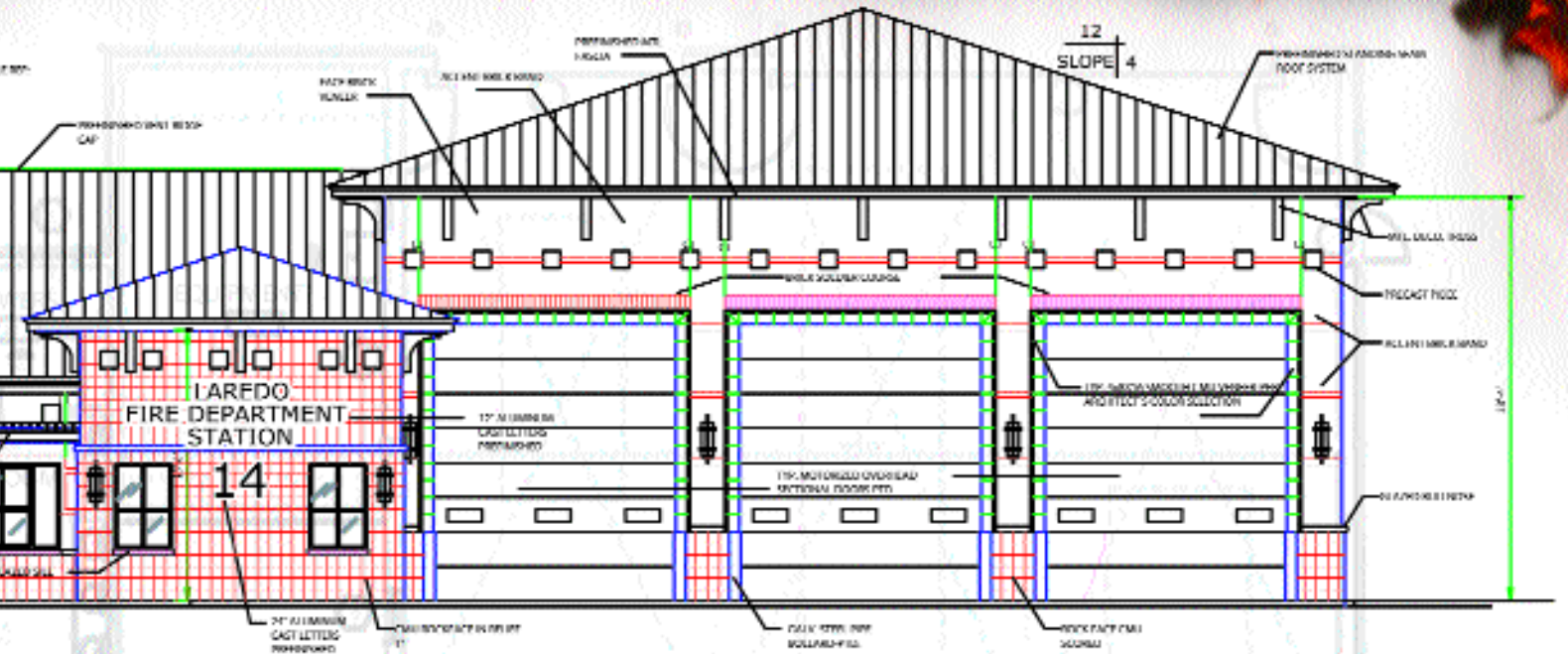
Energy Efficiency   `LED`

All *First-In® Fire Station Alerting System* visual indicators utilize light emitting diodes (LED) for illumination. LED devices are low voltage and draw very little electricity, making these units extremely energy efficient. LEDs have a long lifetime, averaging 4 million alerts or 100,000 hours of lighting. The *First-In Fire Station Alerting System* has been engineered to achieve the highest levels of energy efficiency and Westnet, Inc. continues to work towards manufacturing power-friendly units.

FIRST-IN®
CABLE PLANT

All *First-In Smart Station Systems* include a *First-In Cable Plant* (CP), which is a pre-fabricated Ethernet LAN cabling system. The *First-In Smart Station Units* communicate with each other through the *First-In Cable Plant*. This allows for ease of installation, expandability, multiple configuration options and quick troubleshooting. Each low voltage cable system has been inspected and tested by Westnet. The *First-In Cable Plant* meets EIA/TIA 568-A Standards.

The architectural elevation drawing shows various labels including:

"12 SLOPE 4"

LAREDO FIRE DEPARTMENT STATION

14

BUILDING A
SMART STATION®

The entire concept behind the *First-In® Fire Station Alerting System* is exactly that, building an intelligent and interactive fire station. Regardless of whether the station is new or existing, the benefits of building a "smart station" can be experienced by all fire departments.

All *First-In®* Fire Station Alerting Systems begin with the *MCU*. As you design your alerting system, *Smart Station® Units* are incorporated into this foundation with the goal of progressing towards a fully integrated fire station alerting system.

You are about to be introduced to several units that are used in conjunction with the *MCU*. Together, the *MCU* and *Smart Station Units* offer every fire department the most advanced fire station alerting technology available.

LAREDO FIRE STATION # 14
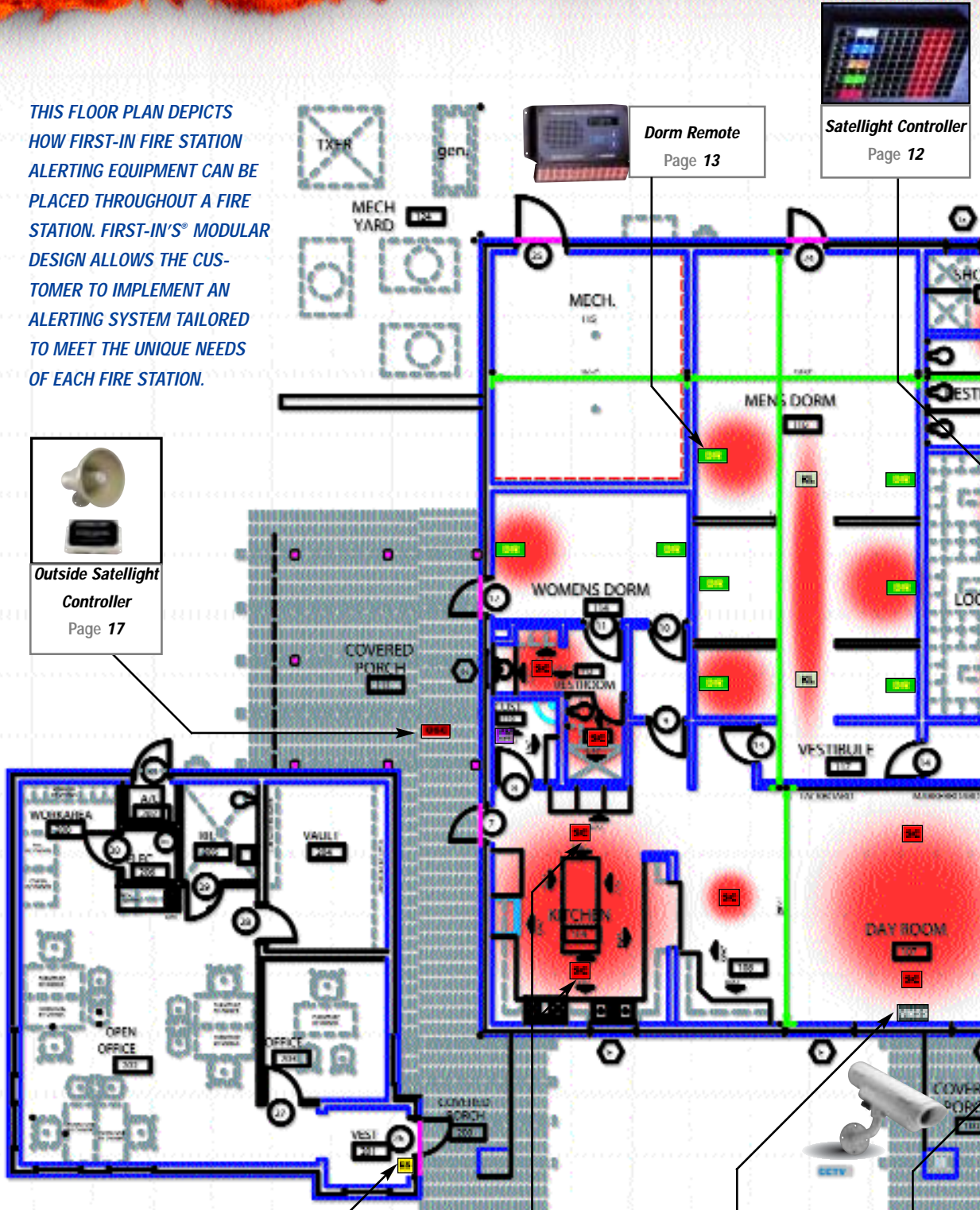
Building A Smart Station

THIS FLOOR PLAN DEPICTS HOW FIRST-IN FIRE STATION ALERTING EQUIPMENT CAN BE PLACED THROUGHOUT A FIRE STATION. FIRST-IN'S® MODULAR DESIGN ALLOWS THE CUSTOMER TO IMPLEMENT AN ALERTING SYSTEM TAILORED TO MEET THE UNIQUE NEEDS OF EACH FIRE STATION.

First-In Smart Station

LEGEND

AS	Acknowledgment Switch
A-XT	Active X-IT Lighting
CCTV	CCTV Camera
CoD	Co Detector
CI	Company Indicator
CR	Control Remote
DB	Doorbell
DLSP	Data Line Surge Protector
DL	Dorm Light
DR	Dorm Remote
ES	Emergency Switch
JMSS	Jumbo Messenger
HPA	High Power Amplifier (HPA)
Dual HPA	Dual Speaker HPA
KL	Knight Light
RIU	Radio Isolation Unit
MCU	Master Control Unit
1MSS	1-Line Messenger
VMSS	Video Messenger
4MSS	4-Line Messenger
TIU	Telecom Interface Unit
OSC	Outside Satellight Controller
OS	Outside Speaker
PAG	Paging Module
PM	Power Module
SC	Satellight Controller
SIL	Silencer
SS	Satellight Speaker
SW	Speaker Switch
TS	Test Switch
UPS	Uninterruptible Power Supply

Dorm Remote Page 13

Satellight Controller Page 12

Outside Satellight Controller Page 17

FIRST-IN®
Command System™
- Master Control Unit
- Control Remotes
- Uninterruptible Power Supply

Emergency Switch Page 21

Satellight Controller Page 12

Video Messenger Page 19

Doorbell Page 21

Silencer
Page **20**

EQUIPMENT

WORKROOM

APPARATUS ROOM
3 BAY

WILDFIRE SR2

Messenger
Page **18**

STG   RR

HALL

OFFICE

HALL

OFFICE

Dual High Power Amplifier
Page **16**

Satellight Controller
Page **12**

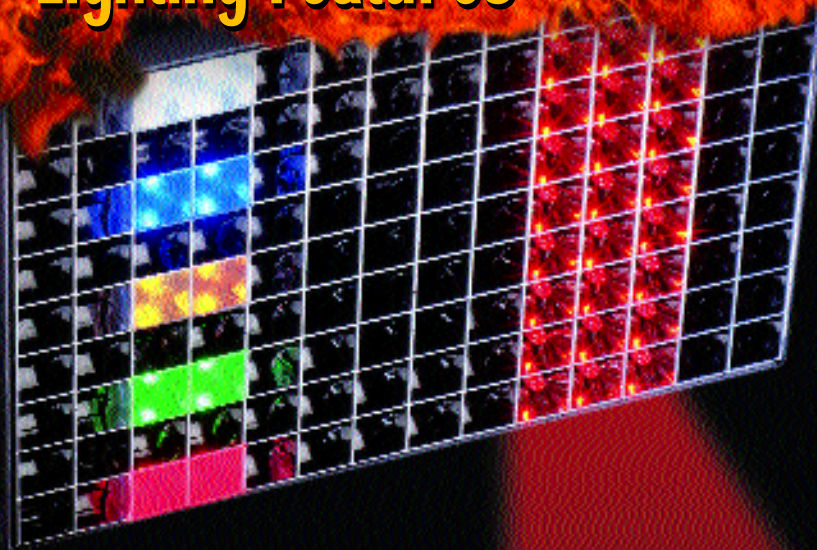**Master Control Unit**
Page **6**

Jumbo Messenger
Page **18**

High Power Amplifier
Page **16**

Lighting Features

FIRST-IN®
SATELLIGHT CONTROLLER®

Satellight Controllers® are installed throughout the fire station, providing a visual and audible notification of the call. For each call, the *Satellight Controller* emits pre-announcement audio and activates a company-specific colored light indicator. For example, when an alert comes in for paramedics, the *Satellight Controller* pre-announces "Medic Response" and the blue light indicator activates, visually signaling a Medic Response. With a quick glance at the *Satellight Controller* colored light indicators, the crew knows immediately who is needed on the call. The necessary companies can begin responding instantly, reducing turnout time and ultimately reducing overall response time.

An additional lighting feature of *Satellight Controllers* is *Knight Vision Lighting*. *Knight Vision Lighting* reduces the optical stress that can occur during night alarms. Traditionally, firefighters were awakened with harsh, white lights when a night alarm sounded. With *First-In*, *Knight Vision Lighting* provides a low intensity red glow, which gradually becomes brighter during the alarm sequence. Rather than waiting for their eyes to adjust to the white lights or risk injury from an inability to see clearly, *Knight Vision Lighting* allows sleepy firefighters to safely maneuver through the station while preserving their night vision. This safety feature of *Smart Station* is used in dormitories, hallways, egress areas and apparatus bays.

Satellight Controllers are mounted overhead in acoustical or hard ceilings, as well as apparatus bays

WITH A QUICK GLANCE AT THE SATELLIGHT CONTROLER, THE CREW KNOWS IMMEDIATELY WHO IS NEEDED ON THE CALL.

Each company is assigned a specific color determined by the fire department.

RESPONSE	LIGHT COLOR
Engine Company	RED
Truck Company	YELLOW
Hazmat or Specialty Unit	GREEN
Paramedics	BLUE
Battalion Chief	WHITE
All Units	ALL COLORS

FIRST-IN® ZONING

First-In Smart Station Zoning is the concept of dividing areas of a fire station by company. Each company in the station is assigned a color associated with the rescue services it performs. For example, the truck company may be assigned the color yellow. When a truck company call comes in, Satellight Controllers emit the color yellow to indicate that the truck company is required on the call. The same is true for the remaining companies, such as the engine company with the color red, medics with the color blue, etc. Zoning is particularly helpful in stations with multiple companies.

800-807-1700
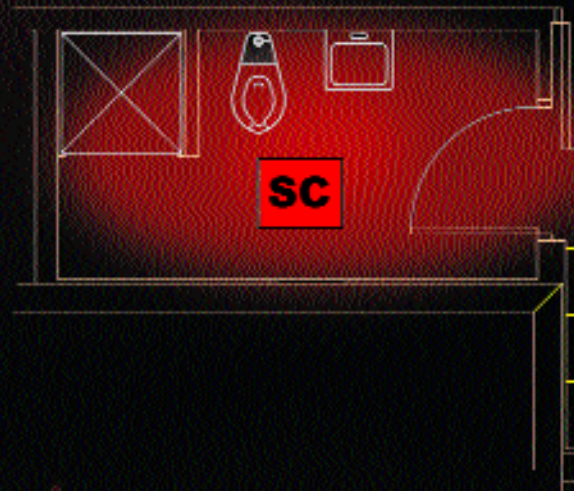
First-In®
DORM REMOTE®

The *Dorm Remote*® awakens firefighters with low ramping tones, a soft human voice pre-announcement and *Knight Vision Lighting,* which provides a red glow of light distributed around the dressing area. From the front panel, each crew member programs his or her *Dorm Remote* according to the company to which the firefighter is assigned, allowing for zoning capability in that dorm. For example, a paramedic would program "paramedic" into his or her *Dorm Remote* before going to sleep. Any alarm that comes in for a paramedic activates all "paramedic" *Dorm Remotes. Dorm Remotes* programmed for truck, engine or other companies do not activate. This feature allows firefighters not needed on calls to continue sleeping. This helps reduce the common sleep deprivation experienced by firefighters needlessly awakened for calls to which they need not respond. The significance of zoning was recently noted in *Fire Chief Magazine*.

"Separate sleeping quarters for a paramedic or ambulance company are highly desirable. These have been made more practical with the advent of more sophisticated alarming systems, which ring down in zones and alarm only the company required to respond. Some alarming systems allow zones to be set bed by bed, further minimizing the disturbance of other station members." Mary McGrath, Fire House Divided, *Fire Chief Magazine*, October 2000.

Each *Dorm Remote* automatically resets in the morning at a time designated by the fire department to an "All Zones" mode. This mode announces all calls until the firefighter sets the *Dorm Remote* to his or her company and disables all other zones. Automatically returning the *Dorm Remote* to an "All Zones" mode prevents missed calls in the event a firefighter forgets to program in his or her specific company before going to sleep.

The *Dorm Remote* can be flush-mounted or surface-mounted next to each bed. When the *Dorm Remote* is flush-mounted, a *Dorm Light* is installed within the ceiling in the center of the room.

ZONING IS A SUBSTANTIAL FACTOR IN REDUCING FIREFIGHTER STRESS DURING NIGHTTIME CALLS.
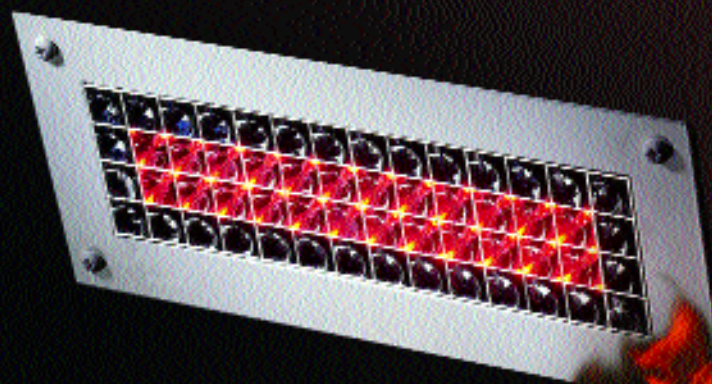
Lighting Features
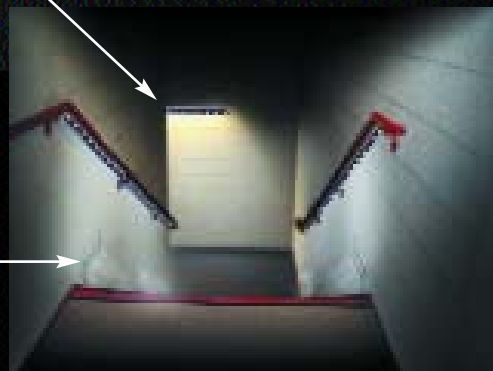
First-In®
KNIGHT LIGHT SYSTEM™

The *Knight Light System*™ is an energy efficient, dual mode lighting system. At a time designated by the fire department, the *MCU* automatically activates the *Knight Light System* each evening and places it into the "Non-Alert Mode". In the "Non-Alert Mode", the *Knight Light* illuminates dark hallways and stairwells with a white glow of light. Light sensors in the *Knight Light System* will cause it to activate during the daytime hours if station lighting levels become low. If the station loses power, the *Knight Light System* will automatically activate and provide station lighting until the generator starts or normal power is restored. Unless otherwise programmed by the department, the *MCU* deactivates the *Knight Light System* the next morning.

THE KNIGHT LIGHT SYSTEM HELPS ELIMINATE OPTICAL SHOCK CAUSED BY PERSONNEL ENTERING EGRESS AREAS ILLUMINATED WITH GLARING FLUORESCENT LIGHTS.

Non-Alert Mode

FIRST-IN®
KNIGHT LIGHT SYSTEM™ 🔳

When a station is alerted, the *Knight Light System* enters "Alert Mode". In the "Alert Mode", the white glow of lights switches to red *Knight Vision Lighting*. The station lighting system remains red until the end of the alert. This feature is especially helpful during night calls, as it preserves a firefighter's night vision and provides safe entry into egress areas and apparatus bays. At the end of the "Alert Mode", the *Knight Light System* switches back to white. At all times, the station is illuminated with energy efficient safety lighting.

FIRST-IN®
ACTIVE X-IT LIGHTING® 🔳

A feature available with the *Knight Light System* is *Active X-It Lighting®*. *Active X-It Lighting* visually aids the crew during an alert by emitting a directional glow of red light indicating exits leading to the apparatus bay and pole holes.

Alert Mode
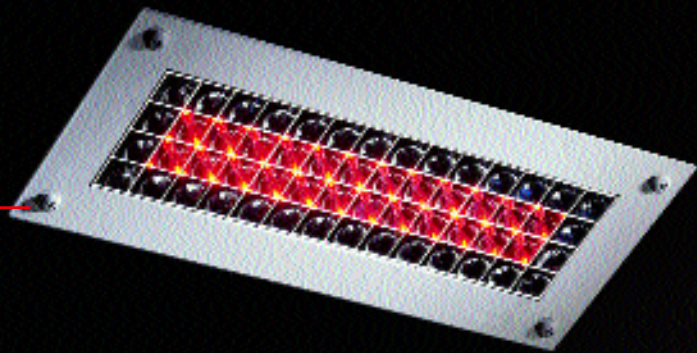
Audio Features

FIRST-IN®
DYNAMIC AUDIO TECHNOLOGY™

Each fire station is unique. Fire station acoustics not only vary from station to station, but from hour to hour. Factors such as environmental noise, building construction, room size and number of occupants in the room play a role in the ability to clearly hear a dispatch.

Westnet Engineers invented *First-In Dynamic Audio Technology™* to accommodate fluctuating audio levels within the firehouse. When a call comes in, *Smart Station Units* with this ground-breaking technology measure room audio levels and automatically adjust their speaker volume so that dispatch transmissions can clearly be heard.

FIRST-IN®
HIGH POWER AMPLIFIER® (HPA)

The most difficult and problematic area of fire station audio is the apparatus bay. Westnet's highly successful solution to this problem is the *First-In High Power Amplifier®*. Westnet's *Dynamic Audio Technology™* alleviates the problem of missed calls due to inaudible dispatch transmissions in high-noise environments, such as stations located at airports, military bases and industrial areas. When station noise levels are high, the *HPA* automatically increases its speaker volume. Similarly, when station noise levels are low, the *HPA* softens its speaker volume, allowing personnel to comfortably hear the alert and dispatch audio. The *HPA* is placed in high noise level areas such as apparatus bays and outside yards.

FIRST-IN®
SATELLIGHT CONTROLLER®

Each *First-In Satellight Controller®* is equipped with both a speaker and *Dynamic Audio Technology™*. When a call comes in, the crew hears the MCU pre-announcement and dispatch audio throughout the station via the *Satellight Controllers*. *Satellight Controllers*, in conjunction with the *First-In Paging Module*, provide telephone paging, eliminating the need for and cost of a public address system. *Satellight Controllers* are mounted overhead in acoustical tile or hard ceilings as well as apparatus bays.

FIRST-IN®
DORM REMOTE®

Each *First-In Dorm Remote®* (*DR*) contains a speaker, providing each firefighter with adjustable bedside alerting audio. In addition to hearing the dispatch information, the crew member can also program the *Dorm Remote* to hear the fire radio channel, telephone paging, doorbell and station emergency announcements. The speaker audio level is adjustable from the front panel of the *Dorm Remote*, allowing each crew member to set his or her desired level. A minimum audio level designated by fire department administration is programmed into the *Dorm Remote*, ensuring that *Dorm Remotes* never go below a certain audio level.

DORM REMOTE AUDIO CAN NEVER BE TURNED COMPLETELY OFF.

FIRST-IN®
OUTSIDE SATELLIGHT® CONTROLLER™

The *First-In Outside Satellight® Controller™* (*OSC*) provides zoned alerting audio to outside locations such as patios, workshops and training areas. The *Outside Satellight Controller* consists of two devices, a weather resistant horn speaker called the *Outside Speaker*, and the intelligent controller, which is mounted indoors. The *OSC* can be programmed to automatically lower its volume or shut off at night.

FIRST-IN®
PAGING MODULE™

The *First-In Paging Module™* is utilized for paging personnel within the fire station. This module eliminates the need for and cost of a traditional public address system by integrating the fire station telephone system into all *Smart Station* audio units such as *Satellights*, *Dorm Remotes*, *HPAs* and outside speakers.

Visual Features

Single-Line Messenger **SLMS**

Four-Line Messenger **4MSS**

Jumbo Messenger **JMSS**

FIRST-IN®
MESSENGERS™

The *First-In Messengers*™ provide a visual alert via text-message indicators used throughout the fire station. In addition to indicating the company assigned to the call, *Messengers* can relay critical incident information such as response level, address, hazardous materials data, medical conditions, highway detours or hydrant status. *Messengers* are most commonly used in apparatus bays, dayrooms and in military or civilian ARFF crash stations.

At the time of an alert, the *Messengers* display a text version of the audio pre-announcement, such as "Brush Truck 2 Response, Wildfire." Additionally, *Messengers* allow the dispatch center, fire headquarters or the communications division to send a nonverbal announcement to all stations with a single command.

FIRST-IN®
COMPANY INDICATORS™ ■

The *First-In Company Indicator*™ displays the company responding to the call in an abbreviated format. For example, a call for the engine company appears as ENG. Each *Company Indicator* displays these abbreviations for the duration of the alarm sequence. *Company Indicators* are frequently used in dayrooms, dining rooms and fitness rooms.

FIRST-IN®
VIDEO MESSENGER™ VMSS

The *First-In Video Messenger™* (*VM*) provides a visual dispatch of the call on a station television. The *First-In Video Messenger* can be used and located anywhere a television exists in the station. Frequently, the *Video Messenger* is used in dayrooms, fitness rooms, dining rooms and dormitories.

For fire departments using CAD (Computer Aided Dispatch), the *Video Messenger* can display which apparatus is needed, the type of call (medical aid, structure fire, etc.) and the address or location of the incident. For fire departments alerted in ways other than CAD, the *Video Messenger* displays the apparatus needed on the call.

ENGINE
TRUCK
SQUAD
MEDIC

STRUCTURE FIRE

16572 MAIN STREET / DISTRICT 236
SMOKE SHOWING, MULTIPLE CALLS
COMMERCIAL BUILDING

Video Messenger Features

- Only the apparatus needed on the call appear on the screen.
- Interfaces with televisions using coaxial cable or RCA composite cable.
- One Video Messenger is needed for each television.
- In excess of 250 televisions can be used.

FIRST-IN®
TURNOUT TIMER™ TT

The *First-In Turnout Timer™* is used to assist firefighters in meeting the department's response time goals. The *Turnout Timer* provides a visual readout of the time elapsed since the call was received at the fire station.

Turnout Timer Features

- Timing begins when the fire station receives the alert from Dispatch.
- Assists in monitoring the status of meeting NFPA 1710 & 1720.
- Resets at the end of the alert sequence.
- Commonly located in apparatus bays, egress paths and watch offices.

Additional Features
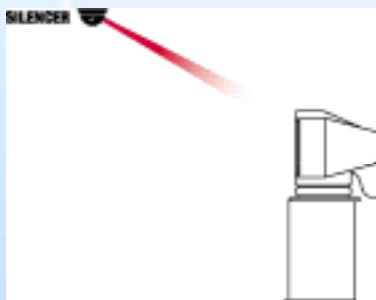
FIRST-IN®
SILENCER™

The *Silencer™* automatically mutes infrared-controlled entertainment devices (e.g., televisions and stereos) during an alarm sequence, allowing for quiet and clear audio comprehension of the *MCU* pre-announcement and subsequent dispatch transmissions. The *Silencer* is frequently used in high-noise areas such as fitness rooms, day-rooms, dining rooms and kitchens. Once the alert is complete, the *Silencer* automatically restores the stereo and television equipment back to their prior audio settings. The *Silencer* can be used in conjunction with the *Video Messenger.*

DISASTER SEARCH CANINE TEAMS

Westnet, Inc. would like to thank America's Disaster Search Canine Teams for the valuable service and life-saving contributions they make to our nation.

Anaheim Fire Captain John Strickland and Disaster Search Canine Wally of FEMA Urban Search and Rescue California Task Force 5.

FIRST-IN®
CONTROL REMOTE®

The *First-In Control Remote®* executes commands received from the *MCU* to perform a wide variety of tasks throughout the fire station, such as the safety feature of turning off stoves and barbecues, thus reducing the risk of fire in the station when crews rush out on a call. The *Control Remote* is also used to open fire station doors and gates, activate exhaust fans, monitor fire station security and control traffic lights. *Control Remotes* are capable of sensing unsafe conditions within the fire station and can report these situations to fire personnel, the dispatch center and Westnet's C3 Monitoring Center. For fire stations not implementing *Smart Station* audio and lighting units, the *Control Remote* is used to activate a station's existing lighting and public address system.

LOCAL ACTIVATION UNITS™

The *First-In Smart Station Alerting System* includes a variety of Local Activation Units, including a *Visitor Notification Doorbell*, *Alert System Test Switch*, *Emergency Alert Switch*, *Acknowledgement Switch* and a *Speaker Switch*. When any one of the Local Activation Units is activated, all *Smart Station Units* send an audio notification that is heard throughout the station via the *Satellights*, *Dorm Remotes* and *HPAs*. Additionally, a visual notification can be displayed on *Dorm Remotes*, *Messengers* and *Company Indicators*. All messages can be customized to fire department specifications.

VISITOR NOTIFICATION DOORBELL

If a visitor activates a doorbell, the announcement "Attention personnel, there is a visitor at the front door" is heard. In addition to the audio alert, a visual alert via the *Satellights*, *Dorm Remotes*, *Messengers* and *Company Indicators* occurs. If there are multiple doorbells, the system will announce and display at which door the visitor is located.

ALERT SYSTEM TEST SWITCH

The *Alert System Test Switch* allows fire personnel to conduct a full station test of the alerting system. "This is a test of the *First-In Alerting System*, this is only a test" is heard throughout all *Smart Station Units*. Additionally, all *Satellights*, *Dorm Remotes*, *Messengers* and *Company Indicators* illuminate and visually display a system test message.

EMERGENCY ALERT SWITCH

The *Emergency Switch* announcement "Attention personnel, there is an in-house emergency, all personnel report" notifies the station crew of an in-station emergency. When the *Emergency Switch* is pressed, all *Smart Station* audio and visual indicators, e.g. *Satellights*, *Dorm Remotes* and *HPAs* are activated. The system can be programmed to automatically notify Dispatch of the incident. The *Emergency Alert Switch* is commonly located in watch offices, station lobbies and apparatus bays.

ACKNOWLEDGMENT SWITCH

The *Acknowledgment Switch* sends a signal back to Dispatch confirming that the alert was received and that the assigned crews are responding. The *Acknowledgment Switch* is commonly located in apparatus bays, where crews press it while on the way out of the fire station.

SPEAKER SWITCH

The *First-In Speaker Switch* is used to manually turn off the audio of a *Satellight Controller* and is commonly used in conference rooms, training rooms and administrative offices. The visual indicators on the *Satellight Controllers* continue to activate during an alert so that emergency personnel know who is going on the call when an alert is received. The *Speaker Switch* is also used to control outdoor speakers, which helps maintain good relations with neighbors adjacent to the fire station.

Communication Room Devices

FIRST-IN®
MCU RACK-MOUNT KIT

The *MCU Rack-Mount Kit* allows the *MCU* to be conveniently mounted in a 19″ rack panel.

FIRST-IN®
RADIO ISOLATION UNIT™

The *First-In Radio Isolation Unit*™ is used to protect the *MCU* from damage occurring from unforeseen electrical transients and lighting strikes. The *Radio Isolation Unit* sits between the *MCU* and the fire station radio. If the radio antenna receives a lighting strike, the *Radio Isolation Unit* filters damaging electrical surges, minimizing or preventing harm to the *MCU*.

CUNNINGHAM FIRE PROTECTION DISTRICT

FIRST-IN®
DATA LINE SURGE PROTECTOR

Westnet utilizes a Data Line Surge Protector to protect the *Master Control Unit* from telephone or data line surges.

FIRST-IN®
TELECOM INTERFACE UNIT™ [TIU]

The *Telecom Interface Unit*™ (*TIU*) offers the fire department numerous capabilities. Primarily, this unit functions as an interface between the station's alerting system and dedicated telephone lines. In addition, the *Telecom Interface Unit* allows remote access to test the performance of dedicated telephone lines without requiring a visit from communications technicians.
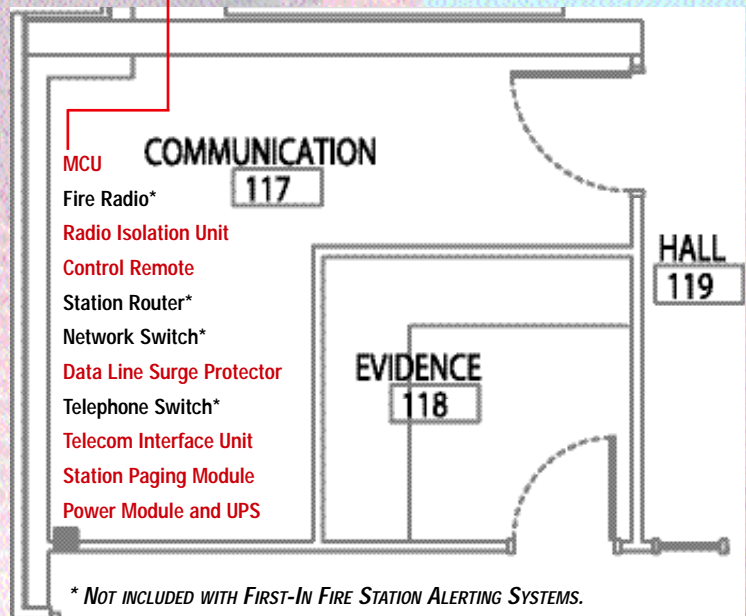
FIRST-IN®
POWER MODULE™

The *First-In Power Module™* provides the necessary power to all *First-In Smart Station Units*. *Power Modules* are located throughout the station, providing distributed power for the alerting system. These intelligent *Power Modules* are capable of sensing a loss of power. Once a loss or interruption of power is sensed, the alerting system notifies the station crew and can also be programmed to notify Dispatch. All *Power Modules* come equipped with an external on-line, full-time Uninterruptible Power Supply (UPS).

FIRST-IN®
UPS

All *First-In Fire Station Alerting Systems* include a minimum of one Uninterruptible Power Supply (UPS). The UPS provides continuing power in the event of power loss to the fire station, allowing alarm sequences to continue to be received. The UPS also provides line filtering, which helps protect the alerting equipment from power surges or spikes.

OXNARD FIRE DEPARTMENT

Common Communications Room Equipment

MCU
Fire Radio*
Radio Isolation Unit
Control Remote
Station Router*
Network Switch*
Data Line Surge Protector
Telephone Switch*
Telecom Interface Unit
Station Paging Module
Power Module and UPS

COMMUNICATION 117
EVIDENCE 118
HALL 119

* Not included with First-In Fire Station Alerting Systems.

Dispatch

A Communications Perspective

At no time are reliable communications more important than in the fight to save a life or a structure. The quality of service provided by your communications division can be just as critical as a turnout in the heat of a fire or a S.C.B.A. in toxic smoke. Communications equipment is all too often a firefighter's lifeline.

Westnet, Inc. is a company of individuals who appreciates the critical role that a communications division plays in firefighting and rescue operations. The communications personnel who provide technical expertise to the fire service can rest assured that the company who built the *First-In Smart Station Alerting System* originated in the communications field. As such, Westnet never forgets that the easier we make your job of providing quality communications, the more time you have to devote to the mission-critical functions you provide for safety personnel.

LONG BEACH **ECOC**

Technology has presented the fire service with advancements in many areas including the use of Computer Aided Dispatch (CAD). *The First-In Fire Station Alerting System* is engineered to operate with existing and future CAD and radio systems.

MOST DISPATCH CENTERS DO NOT REQUIRE ADDITIONAL EQUIPMENT IN DISPATCH TO ALERT FIRST-IN.

Westnet Engineers and the Westnet Systems Group utilize the most advanced tools available to continually bring new technologies to the fire service. Westnet offers specialized dispatch products to those customers seeking expanded capabilities for activating *First-In Fire Station Alerting Systems*.

LONG BEACH **ECOC**

800-807-1700

ARFF Station Alerting
Military & Civilian

Anytime an aviation emergency occurs, lack of immediate and accurate information increases the chance for loss of life. Where is the aircraft? What is the emergency? How many souls are onboard? How many pounds of fuel are remaining? Answers to these questions become the critical incident information necessary to perform the quickest and safest rescue. Responding to the crash site quickly enables the ARFF crew to secure escape paths, evacuate the aircraft and extinguish burning debris as swiftly as possible. Time is paramount. The *First-In Fire Station Alerting System* is used in crash stations to provide Mass Notification, reduce response time and improve the flow of information during an aircraft emergency.

LITTLE ROCK AIR FORCE BASE CRASH/RESCUE STATION

FIRST-IN®
CRASH PHONE MODULE CPM

When the air traffic controller picks up the crash phone to alert the ARFF station, the *MCU* and *Crash Phone Module*™ automatically answer the station crash phone. After answering the crash phone, the *MCU* and *Crash Phone Module* put a ringing tone throughout the station and patch the crash phone audio throughout the *Smart Station Units.* This allows all crew members to hear the dispatch information.

The *Dynamic Audio Technology*™ of the *Satellight Controllers* and *HPAs* produce optimal indoor and outdoor alerting audio in the high-noise conditions of ARFF stations. *Jumbo Messengers* display critical incident information. Examples of other systems integrated into the *First-In ARFF Alerting System* are Closed Circuit TV and Carbon Monoxide Detection Systems.

Jumbo Messenger

ENGLAND AIRPARK FIRE DEPARTMENT/RURAL METRO

Installation & Service

WESTNET SERVICE VEHICLES

FIRST-IN®
SMART STATION (RAAM)
SOFTWARE™

First-In Smart Station RAAM™ is a software suite that enables the customer to remotely administer the alerting system for all stations. *RAAM* provides immediate access via Ethernet LAN to each station from a central location, such as the department's communications facility or fire headquarters. This feature eliminates costly and time-consuming trips to the individual fire stations throughout the city or county for normal service calls.

LONG BEACH FIRE BOAT *CHALLENGER*

Installation

The *First-In Fire Station Alerting System* can be installed in new, existing or remodeled fire stations. All *First-In Smart Station Alerting Systems* include the *First-In Cable Plant* and mounting hardware. Westnet has a team of certified installation companies who provide turnkey installation, including on-site and end-user training.

Extended Warranties and Maintenance Options

Each Westnet product is backed by a one-year parts and labor warranty. On-site warranty and maintenance plans are also available. Westnet will tailor a *Customer Care Plan* to fit your department's needs with packages ranging from advanced technical support to full on-site maintenance.

Technical Support

Technical support is available from Westnet's C3 Center whereby, the Westnet Systems Group can directly access a station's alerting system via a VPN connection. This customer service provides a collaborative effort between Westnet and Communications personnel in order to quickly resolve any issues on a 24 hour a day, 7 day per week basis.

CONTRIBUTING DEPARTMENTS	CONTRIBUTING PHOTOGRAPHERS
Cunningham Fire Protection District	Brentt Sporn
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Folsom Fire Department	John Rougeou
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Little Rock Air Force Base	Lee Bowser
Long Beach Fire Department	Leep Zelones
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GRAPHIC DESIGN GCube**Designs**.com

WESTNET
800-807-1700

Our Commitment

FIRE STATION # ZERO®

Westnet®, Inc. was founded over 30 years ago in Orange County, California. With it's beginning in wireless radio networks as a communications service provider, Westnet was approached by local fire departments in need of quality communications products. Westnet utilized its staff of RF Design Engineers and Wireless Specialists to develop state-of-the-art equipment for the fire service. Several years later, we continue to implement the most advanced technologies available to provide

products that are both easy to use and easy to service. Westnet fully believes that a manufacturer cannot build superior equipment without first understanding the demands placed upon the individuals using and servicing that equipment. Westnet maintains that research and technology drive the creation of innovative designs and breakthrough products. We proudly continue to serve both fire and communications personnel in their every day fight to protect and serve.

Westnet's Quality Assurance

We absolutely understand that the equipment you rely upon has to work when you need it – lives depend on it. Our passion for the fire service drives us to continue setting the standard for alerting excellence. Stringent quality control standards are applied to all equipment we manufacture. Every product must pass Westnet Integration Laboratory Inspections and Engineering Qualification Regulations. All *First-In Smart Station Systems* are tested with a minimum of 1,000 successful alerts prior to delivery.

It's a different world

America has the most highly trained firefighters in the world, yet the changing and challenging role of today's First Responder brings the importance of firefighter health and safety to the forefront. Westnet believes that preserving the health of your crew is achieved by the advanced safety features of *First-In*. The *First-In Fire Station Alerting System* is an investment in your entire department. *First-In* is the only alerting system specifically engineered, designed and manufactured for firefighters.

When lives hang in the balance, compromise is not an option.

Fax (714) 841-3008

Courage

Tradition

Determination

Teamwork

FIRST-IN

Loyalty

Honor

Dedication

Service

Westnet®, Inc.

PROUDLY MADE IN THE USA

Phone **(800) 807-1700**

Fax **(714) 841-3008**

www.**FireStationAlerting**.com