

## Visual SIGNALS

Regardless of the application – process control, plant safety or emergency evacuation – Federal Signal provides the signaling solution. With state-of-the art surface mounted printed circuit boards, long-life incandescent, strobe and LED lamps, superior optics that maximize light dispersion, a multitude of mounting options, a variety of operating voltages, and housings designed for indoor, outdoor, ordinary and hazardous locations – Federal Signal has visual signals for every application from food processing to steel mills.

### LED WITH XLT™



Models 191XL, 225XL, and the 27XL feature XLT™ (eXtreme Light Technology), a high-intensity LED array that optimizes light output with superior lens fill. In addition to outperforming conventional LEDs, they also offer the vibration and shock resistance, reduced power consumption and extended service life that is inherent to LED technology. Available in both DC and AC voltages, variety of lens colors and multiple mounting configurations.

### VEHICULAR LIGHT BAR



The vehicular light bar provides increased visibility to any vehicle with two high intensity strobes focused through amber Fresnel lens for maximum concentration of light and superior lens fill. Two mounting configurations are available; permanent or magnetic/suction cup mount. The VLB complies with SAEJ1318 Class 2 requirements.

### SELECTONE®



Compact, attractive and efficient. The SelectOne® Model 50GC Speaker/Amplifier reproduces crisp, clear tones and voice messages. With built-in volume control, multiple operating voltages and a choice of mounting configurations, this unit is ideal for offices, hallways, reception areas and conference rooms.

### HAZARDOUS LOCATION



Plant-wide warning and public address. These 15- and 30-watt SelectOne® Speaker/Amplifiers are designed to withstand the rigors of industrial environments. Models are available for ordinary locations and Class 1, Division 2 Hazardous Locations. All are suitable for indoor and outdoor use.

### HEAVY DUTY



Extreme conditions are just part of the job for AudioMaster® intercoms. These heavy-duty industrial intercoms provide reliable two-way communication and superior sound quality. The rugged NEMA 4X housings are suitable for indoor and outdoor use. A variety of operating voltages, optional features and a hazardous location model provide the flexibility to customize a system to your application.

### LIGHT DUTY



The functionality of a heavy-duty intercom in a low profile package. The AudioMaster® Light Duty Intercom is suitable for office environments or conference rooms where communication with the factory is essential but a more economical or less industrial intercom is desired. Wall mount and desktop stations are available in a variety of operating voltages.

### CEILING SPEAKERS



AudioMaster® Speakers are designed to reproduce a full range of voice, music and tones in a variety of demanding industrial environments. High quality construction and materials provide years of service. Ceiling mount, wall mount, swivel mount and flush mount speakers are available in a range of output levels from two-watts to 100-watts.

### INDUSTRIAL SPEAKERS



AudioMaster® Transformer Coupled Speakers are ideal for plant communication systems. Designed for use in 25, 70 or 100VRMS systems, speakers are available in a variety of mounting configurations, including the omni-directional swivel mount that allows the speaker to be pointed anywhere within a hemisphere.

### HAZARDOUS LOCATION



Communication is critical in hazardous environments. AudioMaster® Hazardous Location and Explosion Proof Speakers are designed for Class 1, Divisions 1 and 2. Rugged construction and high quality components ensure long life and limit the expense of maintenance. A variety of 15-and 30-watt models are available.

### VOICE GUN®



Take control of the situation with Federal Signal Voice Gun® – the most powerful lightweight electronic megaphones available. Noise canceling microphones ensure quality voice reproduction and the high-impact polycarbonate housing is virtually indestructible. All models are ideal for industrial, fire, marine and aviation applications.

## Audible SIGNALS

Corrosive atmospheres...hazardous areas...high noise...extreme temperatures...dust...humidity. For unfailing performance of critical signaling systems in the harshest environments – rely on Federal Signal audible signaling equipment. Federal Signal offers the widest variety of industrial signals possible – Horns, Bells, Sirens, Electronic Speaker Amplifiers, Digital Message Centers, Tone Generators and more are available for stand-alone use or plant-wide systems.

### COMMAND CONTROLS



SelectOne® Command Units provide prioritized tones, pre-recorded voice messages, music and public address in any SelectOne system. Wall mount, rack mount and desktop units are available in 24VDC or 120VAC operating voltages. Command units are the basis of simple yet full featured plant communication and general alarm systems.

### UNIDIRECTIONAL



Powerful, reliable and flexible. The Model 2001-130 Electromechanical Siren is powerful enough to cover four square miles, produces three distinct signals and can be controlled via radio or landlines. The energy efficient motor rotates the siren from two to three RPM.

### OMNIDIRECTIONAL



The Modulator® OmniDirectional Electronic Siren is the most advanced outdoor warning siren available. Public address, digital voice messages and multiple warning tones can be reproduced at 125dB with 360-degree coverage. Six models are available providing from 400 to 2400-watts of output power.

## Initiating

Signaling systems are designed to ensure safety, sound alarms, increase productivity, or provide a means of communication. Federal Signal initiating devices are the cost-effective method of activating audible and visual signals. A variety of push button stations, radio transmitters and receivers and pull stations have been designed to be highly visible, to minimize installation expense, to discourage tampering and to operate in hazardous locations.

### BACK-UP ALARMS



Federal Signal's Model 253 Back Up Alarm samples ambient noise levels and adjusts sound output automatically, providing just the right output to signal an approaching forklift, tow motor, dump truck, tractor or general purpose vehicle. Completely sealed against moisture and dust, these alarms are suitable for use in any environment.

## Public Address

Customize a public address system to meet the needs of your facility. With high-powered amplifiers, AudioRouters for zoning, tone generators, pre-recorded voice messaging, and AudioMaster® speakers designed for every environment from offices to hazardous locations, Federal Signal can provide complete public address systems for any industrial facility from the smallest, quietest clean rooms to the largest, noisiest textile factory.

### PUSH BUTTON STATIONS



Activate emergency equipment, signals or alarms with Federal Signal Emergency Push Button Stations. Fire, Evacuation and Emergency stations are available in red or yellow. The clear cover sounds a piercing alarm when lifted and discourages false alarms and tampering.

### PULL STATION



Explosion Proof pull station activates emergency equipment, signals or alarms from within a hazardous environment. Rated for Class 1, Division 1 applications. The two step activation includes a swing up front cover to expose the pull ring which activates the alarm; this two step process prevents accidental activation.

## Intercoms

When hostile conditions pose serious problems for effective in-plant communications it's clearly time to call Federal Signal. AudioMaster® and SelectFone® Intercom Systems are engineered to deliver dependable performance, maximum flexibility and extended service life under the harshest conditions. The modular design enables you to specify a system with an unlimited number of stations, to customize a system for the variety of environments within your facility and to expand your system in the future.

### SELECTFONE®



SelectFone® is a total plant-wide communication system with paging and intercom capabilities. Stations are available in single-channel and five-channel configurations in 120VAC or 24VDC. Five-channel systems allow five simultaneous conversations. Indoor, outdoor, ordinary location, hazardous location, wall mount, panel mount and desktop stations are available.

### AUDIROUTER™



The AudioRouter™ is an audio multiplexing system designed specifically for industrial environments. It provides a central control for routing voice pages, prerecorded messages, tones and music to specific zones within a facility. Control up to 64 zones from a single command center.

### AMPLIFIERS



AudioMaster® amplifiers are the key component in a high-performance, industrial public address system. Noise free, crystal clear highs and lows are produced by the grounded bridge design. Low power consumption reduces long term operating costs. Four power ratings from 205 to 1745-watts are available.





➤ **The breadth of product line to do it all... the know-how to do it well.**

Backing up Federal Signal's extensive line of industrial-grade signaling and communications products is application and engineering know-how that reflects the deepest knowledge pool in the business. Around the globe and across a diverse scope of industries, Federal Signal provides solutions that work harder, smarter and safer.

Federal Signal is the name to trust in integrated systems solutions. Totally. From in-plant communications, to

fail-safe emergency warning, to audible/visual alarms for critical process control, to OEM machine signaling applications, Federal Signal is making fully integrated audible/visual signaling and communications a productive reality.



➤ **Supporting a full array of process control, Plant safety and emergency evacuation applications.**

All over the world, workers count on Federal Signal to get them through the workday safely...and to keep them well-informed of the status of process operations, production equipment and potentially hazardous conditions. Nobody does it better.

Federal Signal products set the standards for industrial signaling/communications technology, demonstrating the engineering expertise that consistently raises the bar for optic and acoustic components. Performance, reliability and quality are all trademarks of Federal Signal products...but it's an emphasis on customer technical support that make the critical difference between a solution that's total and one that isn't.



➤ **Some things never change...like Federal Signal's long-standing focus on industrial markets.**

Recognized as the world's largest prime manufacturer of industrial-grade audible/visual signaling, quality performance is a centerpiece of Federal Signal's production operations. ISO 9001 Certification highlights this commitment to product integrity and conformance with customers' most stringent quality requirements.

Federal Signal products are often used as the benchmarks for establishing industry standards. Underwriter Laboratories (UL), the Canadian Standards Association (CSA) and the European Community (EU)—in virtually every case, for virtually every product group, Federal Signal meets or exceeds standards...and then passes test after test conducted by independent labs without even breaking a sweat.

➤ **Completing the package...A distributor network that knows signaling/communications applications inside and out.**

Total customer satisfaction is Federal Signal's ultimate goal. That's why every product is backed up by a promise of excellence in customer service and technical support. That's also why Federal Signal distributors have a reputation as problem-solvers who are totally dedicated to matching the product to the application in the most cost-effective way possible.

Supporting distributors is an internationally acclaimed team of engineers and technicians. Beyond on-going product development, Federal Signal's signaling/communications experts provide a host of custom-engineering services that spotlight plant-wide integrated systems as never before...and as nobody else. Total solutions in integrated signaling and communications. That's Federal Signal.

➤ **Federal Signal on the web:**  
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*Advancing security and well-being.*

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**THE MOST TRUSTED NAME, THE BROADEST PRODUCT LINE, AND THE DEEPEST KNOWLEDGE POOL IN THE SIGNALING INDUSTRY. AT FEDERAL SIGNAL, THAT'S WHAT WE MEAN BY A TOTAL INDUSTRIAL SOLUTION. BECAUSE FOR EVERY JOB YOU NEED YOUR SIGNALING TO DO, WE'RE WORKING TO FIND A WAY TO MAKE IT WORK HARDER, SMARTER AND SAFER THAN EVER BEFORE. WITH EVERY PRODUCT WE MANUFACTURE, AND THROUGH EVERY LEVEL OF OUR ORGANIZATION, WE ARE COMMITTED TO PROVIDING INDUSTRY-WIDE SOLUTIONS – NO MATTER WHAT INDUSTRY YOU'RE IN.**



➤ *Visual Signals*

➤ *Audible Signals*

➤ *Outdoor Warning*

➤ *Intercoms*

➤ *Public Address*

➤ *Initiating*

**total**

**Solutions**

➤ **Total solutions** for industrial communications, safety, security and emergency response. Industrial applications have always been Federal Signal's stock-in-trade. Put simply: No one puts their name on more "industrial-only" audible/visual signaling devices and communications systems. That's why no one is better equipped to meet the growing demand for plant-wide system integration. Period.

