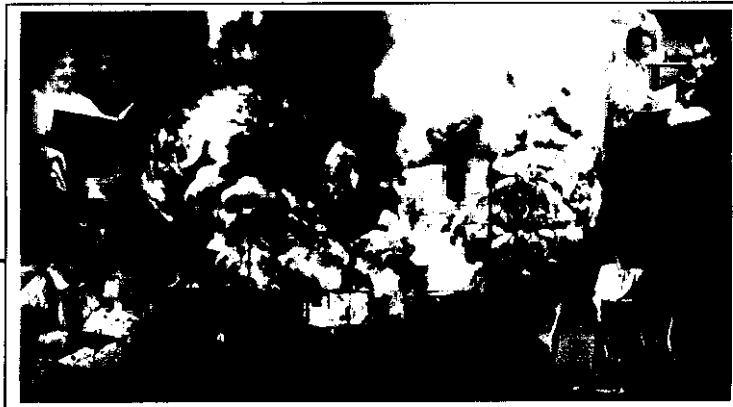


# INFORMER



**Instant alert and notification of emergency situations**

**High efficiency 85 dB(A) 4" speaker for tone and voice**

**Easy, unlimited external programming and unlimited reprogramming of the units operating system via RS232 port**

**16 million addresses including group and all call**

**Easily adaptable for the hearing impaired**

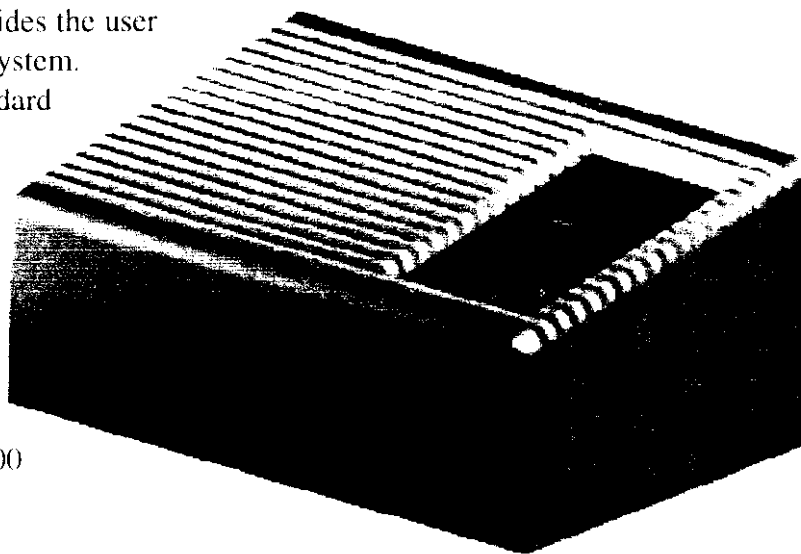
**Battery Back-up**

**Federal Signal ISO9001 Quality Assurance**

The Federal Signal *Informer* Tone Alert Radio (TAR) receiver has been designed specifically to meet the needs and requirements of Appendix F of the Chemical Stockpile Emergency Preparedness Plan (CSEPP) Guidelines. This TAR receiver will alert the general population of potential hazards and deliver audible instructions to aid Emergency Managers and the populace in mitigating the hazards.

Utilizing a state of the art digital transmission system, the *Informer* receiver system operates via an IBM compatible computer running either Windows 95 or the Windows NT operating systems as desired. The computer's graphical user interface offers operators the ability to select the desired functions and grouping or addressing of receivers with a point and click. A computer log of all activities provides the user with reports of all activations and tests of the system. Pre-recorded voice messages are stored in standard .wav files.

The computer is connected to the Federal Signal model SS2000 digital encoder through a standard RS232 port and sends FSK encoded messages and voice to the radio system. The SS2000 includes a microphone for live voice announcements and a speaker for monitoring radio traffic. The SS2000 can also be used to activate the system directly.



**FEDERAL SIGNAL CORPORATION**  
Federal Warning Systems

# SPECIFICATIONS\*

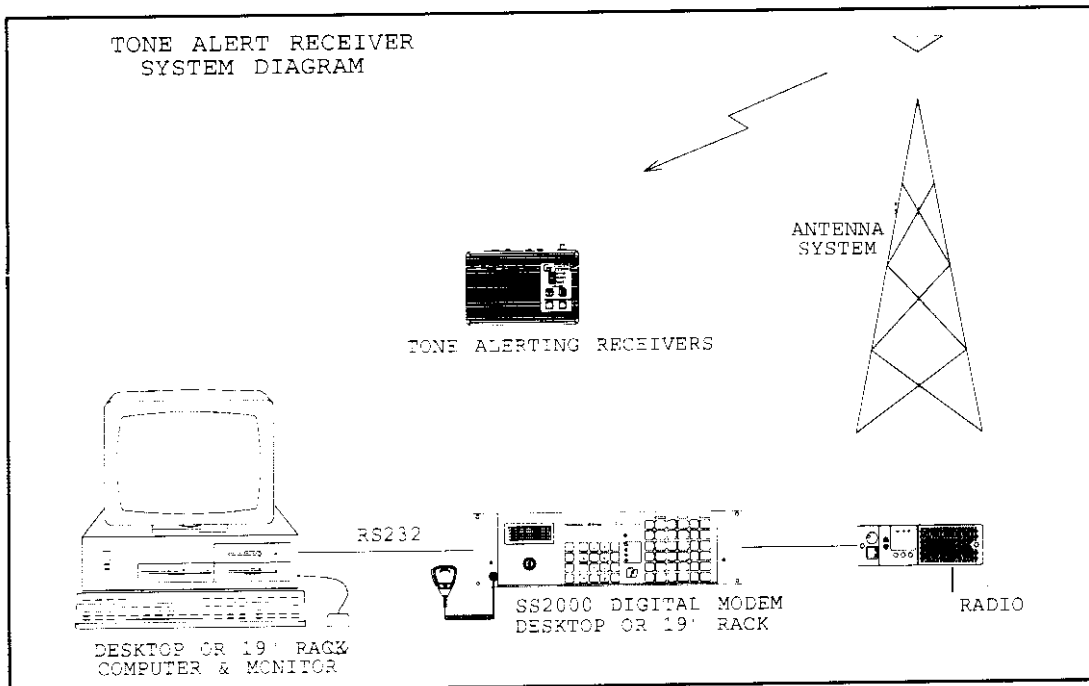
Receive Frequency ..... 850-866 MHz  
 ..... 150-172 MHz  
 Frequency Stability..... 1.5 ppm @ 800MHz  
 ..... 2.5 ppm @ VHF  
 Reference Sensitivity  
 (12dB SINAD) .....0.25 microvolts  
 ..... /12dB Sinad  
 20dB Quieting .....0.35 microvolts  
 Signal Displacement Bandwidth ..... > 2kHz  
 Adjacent Channel Selectivity .....>-100dB @  
 ..... +/-25kHz  
 Spurious Response.....>/- 70dB  
 Intermodulation Rejection .....>/- 70dB  
 Frequency Response (Referenced to 1kHz)  
 300 - 500 Hz ..... Flat  
 500 - 2500 Hz .....-6dB/Octave  
 2500 - 3000 Hz ..... 18dB/Octave  
 Hum and Noise  
 Squelched .....-57dB  
 Unsquelched .....-37dB  
 Audio Distortion (PA)  
 @ 85dBA ..... Below 10%  
 @ 68dBA ..... Below 5%  
 Squelch Sensitivity ..... present to 20dB  
 ..... quieting\*\*  
 Adjustment Range ..... 0 to 30dB  
 ..... quieting  
 Audio Sensitivity  
 (% of nominal system deviation) ..... 30%

Modem  
 Type ..... Minimum Shift Key (MSK)  
 Baud ..... 1200 BPS  
 Modem Tones ..... 1200Hz mark,  
 ..... 1800Hz space  
 Sensitivity ..... <12dB S/N  
 Acoustic Output ..... .85dBA\*\*\*  
 AC Wall Transformer  
 Input ..... 108 to 128 VAC, 60 Hz  
 Output ..... 9VDC @ 500 mA  
 Rechargeable Battery  
 Type ..... Sealed Lead Acid  
 Rating ..... 6VDC, 1.2 A/H  
 Minimum life without  
 AC power ..... 6 Hours @ 25% run time  
 External Antenna Connector ..... 50 ohm, BNC female  
 Relay Output ..... SPST 1A @ 30 VDC,  
 ..... 0.30 A @ 125 VAC  
 Antenna ..... Built in, unity gain antenna  
 Operating Environment ..... -20 to +50C  
 Strobe (optional) ..... 100 Candella, 60 flash min.  
 Dimensions  
 5" W x 7" H x 2 1/2" (10% incline)

\*Receiver Specifications referenced to TIA/EIA 603

\*\* Squelch circuit is based on quieting or cleanness of signal not signal level based as this could be opened by interference and leave the receiver unable to be squelched.

\*\*\*Acoustic Output measured at 10' on axis in an anechoic environment



**FEDERAL SIGNAL CORPORATION**

Federal Warning Systems

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