



The Informer

STONE ALERT RECEIVER

- **Instant alert and notification of emergencies**
- **Perfect for home or office notification of tornado warnings**
- **Easily adaptable for the hearing impaired**
- **Can be used for radio activation of warning sirens**



DESCRIPTION

The Informer is a high end radio receiver designed to assist emergency managers in alerting the general public in the event of an emergency by delivering audible instructions. The Informer is a commercial grade radio receiver available in low, high, and UHF bands. It can decode DTMF, single tone, two tone, and EAS/SAME formats. The Informer can monitor an radio channel for traffic, or sit silently in standby mode until the alert tone(s) are received to 'wake up' the unit, at which point it will alert the user with an alert tone before broadcasting the warning message. An optional strobe light can be added to assist in alerting hearing impaired users, or users in a noisy environment. The Informer comes with a UL listed wall transformer and a built-in battery backup that can provide up to 1½ hours of full monitoring, or multiple hours in standby. The Informer can be tabletop or wall mounted.

APPLICATIONS

The Informer is perfect for applications where warning sirens may not always be heard (i.e. inside buildings, etc.). An optional 600 ohm output allows the user to connect the Informer into a building intercom system to alert large groups of people quickly. The Informer also works well for radio activation of fire department sirens (with an optional relay), where siren cycling is controlled by other equipment, such as when used with the Vedette Siren Activation System.



AUDIOTECH DIGITAL SIGNAL CORPORATION

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INFORMER SPECIFICATIONS

RECEIVER / DECODER

Receive Range: 30-50 MHz, 152-172 MHz, 450-470 MHz, 806-821 MHz, 851-866 MHz
Frequency Stability: 2.5 ppm (1.5ppm 800-866MHz) • Antenna Impedance: 50Ω ±10Ω

REFERENCE SENSITIVITY (receiver specifications referenced to TIA/EIA 603)

(12dB SINAD): 0.25 μV • Adjacent Channel Selectivity: > -65dB +/-25kHz

Spurious Response & Image Rejection: > -70dBm • Intermodulation Rejection: > -65dBm

HUM AND NOISE Squelched: -57dB • Unsquelched: -37dB

Squelch Sensitivity: pre-set to 12dB SINAD Level

AUDIO SENSITIVITY (% of nominal system deviation): < 30%

STANDARD SIGNALING FORMATS Up to 6 activation codes max., programmable

Two-Tone Sequential or Single Tone: 282Hz-3000Hz, tolerance ± 1.5% • DTMF: 3-12 digits

Two-Tone and DTMF Decode Sensitivity: <18dB Sinad

OPTIONAL SIGNALING FORMATS

Digital AFSK (MSK): 1200,N,8,1 Synchronous,1200Hz mark tone, 1800Hz space tone

Digital AFSK Decode Sensitivity: <12dB Sinad

EAS/SAME: 520.83 BAUD, 2083.3 HZ Mark tone 1562.5Hz Space tone, no Start, Stop, or Parity bits

EAS/SAME Decode Sensitivity: <18dB Sinad

CTCSS/CDCSS: Decode with Two-Tone codes > 400Hz only

Tone Frequency Range: 36.6 to 254.1 Hz • Tone Accuracy: > .05Hz

Tone Decode Bandwidth ± 1.1%

Digital, Golay (23,12) 23 bit digital word • Digital Data Rate: 134.4 Hz nominal

Decode Turn on Time: < 200 msec. • Decode Turn off Time < 1.2 sec.

Acoustic Output85dBa (measured at 10' on axis in an anechoic chamber)

ELECTRICAL / ENVIRONMENTAL

AC WALL TRANSFORMER (UL CERTIFIED)

Input: 108 to 128 VAC, 60 Hz • Output: 9VDC @ 500 mA • Operating Current: 100mA standby

RECHARGEABLE BATTERY (OPTIONAL)

Type: Sealed Lead Acid; 6VDC, 1.2 A/H • Minimum life w/out AC power: 6 hrs @ 25% run time

Antenna: Removable rubber duck • External Antenna Connector: 50 ohm, BNC female

Operating Environment: -30 to +65C

Height x Width x Depth: 5" W x 7" H x 2-1/2" with a 10° incline

Optional Strobe: 100 Candella, 60 flash min.

Optional Relay Output: SPST 5A @ 24 VDC, 8 A @ 115 VAC

Optional 600 Ohm Output: 50mv - 2.5vpp into 600 Ohms



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