

# Informer Tone-Alert Radio

## Features

- **Instant alert and notification for emergency situations**
- **Wideband/narrowband configurable via software**
- **85 dB(C) 4" speaker for tone and voice**
- **DTMF and two-tone decoding – standard**
- **Windows®-based software for easy programming**
- **Optional EAS/SAME or Federal Signal digital protocols**
- **Battery back-up**



Alerting the public to emergency events is now easier than ever with Federal Signal's Informer. This high quality radio receiver is designed to stringent specifications making it a clear performance leader.

The Informer includes a commercial grade radio receiver available in VHF (Low & High), and UHF bands. The standard product will decode DTMF, single-tone, and two-tone sequential, and optionally, EAS/SAME or Federal Signal Digital protocols. The Informer is capable of generating four separate alarm sounds that can be followed by a live voice message. The Informer also has a clearly marked LED panel which will flash to indicate an emergency alert has been received. Other features include a low battery indicator, built-in diagnostics, and a test indicator LED. Furthermore, this receiver can be programmed to disable the Monitor button to prevent end-users from listening to local channel activity.

The Informer includes a UL Listed wall transformer and battery back-up system that will provide more than 1.5 hours of full monitoring or multiple hours in standby. Designed to be an attractive and durable product, the Informer is wall-mountable and comes with a one-year warranty (see owner's manual). The Informer can easily be programmed from wideband to narrowband by using the Informer programming software.

**FEDERAL SIGNAL**  
**Safety and Security Systems**

*Advancing security and well being.*

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## Specifications

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Frequency Range (MHz)	30-50		150-170		405-420* 450-470	
Wide/Narrow band:	W	N	W	N	W	N
Intermodulation Rejection per EIA-603, part 4.1.9	>-70	>-70	>-75	>-75	>-70	>-70
Adjacent Channel Selectivity per EIA-603, part 4.1.6	>-75	>-70	>-75	>-70	>-70	>-65
Spurious Response & Image Rejection (dBm) per EIA-603, part 4.1.8	>-75	>-70	>-80	>-75	>-75	>-70

\*Frequency 405-420 special order requires ES-SMV. Contact factory for quote.

### Physical Dimensions

Height x Width x Depth	5" x 7" x 2-1/2" (10° incline)
Weight	4 lbs

### Specifications

Reference Sensitivity <sup>1</sup>	(12dB SINAD): < 0.35 microvolts
Hum and Noise <sup>1</sup>	
Squelched	> -57 dB(C)
Unsquelled	> -37 dB(C)

### AC Wall Transformer (UL Listed)

Input	108 to 128VAC, 60 Hz
Output	9VDC @ 500mA
Operating Environment	-30 to +60C
Operating Current	<100mA. standby <400mA. Max.

### Standard Signaling Formats

Number of codes	Up to 6 activation codes, programmable
Two-Tone Sequential or Single Tone	300 Hz-3000 Hz, tolerance +/- 1.5%
DTMF	1-12 digits
Two-Tone and DTMF Decode Sensitivity	<20 dB(C) SINAD

### Optional Signaling Formats

Federal Signal (MSK) Digital Option	1200, N, 8, 1 Synchronous, 1200 Hz mark tone, 1800Hz space tone
Digital Decode Sensitivity	<20 dB(C) SINAD
EAS/SAME Option	User programmable to any EAS event codes and up to three (3) location codes
EAS/SAME Decode Sensitivity	<20 dB(C) SINAD

### CTCSS/CDCSS

	Decode with two-tone codes >400 Hz only. Tone frequency range 36.6 to 254.1 Hz, Tone accuracy >.05Hz Tone decode bandwidth +/- 1.1%
	Digital, golan (23,12) 23 bit digital word Digital data rate 134.4 Hz nominal
Decode:	Turn on time <250ms., Turn off Time <1.2s.
Acoustic Output:	85 dB(C) <sup>2</sup>

### Order Information

I-L <sup>3</sup>	VHF low band, 33-50 MHz
I-H <sup>3</sup>	VHF high band, 151-174 MHz
I-U <sup>3</sup>	UHF band, 450-470 MHz

### Options

I-EAS	Installed EAS
I-EAS-KIT	Field installable EAS kit
I-FSK	AFSK installed
I-FSK-Kit	Field installable AFSK kit
I-SW	Programming software
I-S2	Informer strobe light

### Rechargeable Battery

Type:	Sealed lead acid
Rating:	6VDC, 1.2 A/H
Minimum life without AC power:	6 Hours @ 25% run time, full volume

### Dual Relay/600 Ohm Option

Dual relay output (optional):	5a @ 30VDC
600 Ohm output (optional):	50mv - 2.5vpp into 600 Ohms
Antenna:	Removable rubber duck
External Antenna Connector:	50 Ohm, BNC female
Model IS2 Strobe (optional):	110 candela, Adjustable 50 – 80 flashes per minute

<sup>1</sup> Receiver specifications referenced to TIA/EIA 603

<sup>2</sup> Acoustic Output measured at 10' on axis in an anechoic environment. User configurable soft-tones (approximately 55 dB(C))

<sup>3</sup> Dual relay/600 Ohm output models are also available. Add IO to the model number when ordering. The dual relay/600 Ohm option must be ordered with the Informer model.

There is a programming fee associated with Informers programmed at the factory. Contact your local representative for a quotation.

The Informer is designed for wall mounting. Mounting screws are not included.

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