

Informer Radio

Features

- Instant alerting and notification for emergency situations
- Rugged metal enclosure with internal wiring
- High output speaker for tone and voice notifications
- Optional EAS/SAME or Federal Signal digital protocols
- Windows®-based software for easy programming
- DTMF and two-tone decoding – standard
- Desk or wall mounting models
- External audio and control capabilities
- US ETL Listed to UL Std 60065
- Canadian ETL Listed to UL Std 60065 for I-HIOW and I-UIOW



Alerting the public of an emergency situation is now easier and more reliable than ever with Federal Signal's Informer I-HIO and I-UIO radio receivers. Informer units are designed for one-way radio alerting applications.

Informer Radio receivers come in either VHF or UHF-band models. Standard units decode DTMF, single-tone, and two-tone sequential signals (optionally available are units for decoding EAS/SAME or Federal Signal digital protocols). The Informer is capable of generating four separate alarm sounds that can be accompanied by a live voice message.

Informer units include a LED panel that flashes to immediately indicate transmission of an emergency alert. Other features include a 600-Ohm audio output, dual (N.C./N.O.) relay for external control, built-in diagnostics, and a LED test indicator. The receiver can be programmed to disable the "monitor" button in order to prevent end-users or unauthorized persons from listening to local-channel activity.

The Informer I-HIO and I-UIO desktop versions feature an external AC transformer for power, as well as built-in battery backup. All wiring is routed to connectors located on the back of the unit for convenient access.

Informer I-HIOW and I-UIOW receivers are designed to be wall mounted or recessed into the wall. All wiring is contained within the aluminum case, and five pre-punched, easy-to-remove conduit holes are available to facilitate wiring connections into and out of the unit. Informer I-HIOW and I-UIOW receivers include a 115/230VAC power supply pre-wired to internal terminal blocks and a built-in battery backup. These models feature mounting holes for easy top mounting of an optional Federal Signal LP1 Strobe light. Units are pre-wired to accommodate the LP1 Strobe which operates off the Informer's internal power supply.

Informer units are factory programmed for narrow-band operation and come with a one-year warranty. (see owner's manual).

Informer Tone-Alert Radio

Specifications

| Specifications | | |
|----------------------------------------------------------------------|---------|---------------------|
| Frequency Range (MHz) Narrowband: | 150-170 | 405-420* 450-470 |
| | N | N |
| Intermodulation Rejection per EIA-603, part 4.1.9 | >-75 | >-70 |
| Adjacent Channel Selectivity per EIA-603, part 4.1.6 | >-70 | >-65 |
| Spurious Response & Image Rejection (dBm) per EIA-603, part 4.1.8 | >-75 | >-70 |

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

| Physical Dimensions | I-HIOW/UIOW | I-HIO/UIO |
|------------------------|--------------------|----------------------------------|
| Height x Width x Depth | 8.3" x 7.0" x 3.3" | 5" x 7" x 2-1/2" (10°incline) |
| Weight | 3.2 lbs | 4 lbs |

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

| AC Transformer (UL Listed) | I-HIOW/UIOW | I-HIO/UIO |
|----------------------------|----------------------------|------------------------|
| Input | 115 to 230VAC, 50/60 Hz | 108 to 128VAC, 60Hz |
| Operating Environment | -30 to +60°C | -30 to +60°C |
| Operating Current | 350mA Maximum | <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 |

 **FEDERAL SIGNAL**
Safety and Security Systems
Protecting people and our planet

| 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, golay (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 ² | I-HIOW/UIOW 80 dB(C) | I-HIO/UIO 85 dB(C) |

| Order Information | |
|-------------------|------------------------------------------|
| I-HIOW | VHF high band, 151-174 MHz - wall mount* |
| I-UIOW | UHF band, 450-470 MHz - wall mount* |
| I-HIO | VHF high band, 151-174 MHz - desk mount |
| I-UIO | UHF band, 450-470 MHz - desk mount |

There is a programming fee associated with Informers programmed at the factory. Contact your local representative for a quotation.
*Units build prior to mid-2015 do not have battery backup.

| 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 |
| LP1-012* | 12VDC Strobe (can be powered by internal power supply) *(A) Amber, (B) Blue, (C) Clear, (G) Green or (R) Red (I-HIOW/UIOW) |
| 155191A | Battery |

| External Control/Audio/Antenna | |
|--------------------------------|-----------------------------|
| Dual (N.O./N.C.) relay: | 5a @ 30VDC |
| 600 Ohm output: | 50mv - 2.5vpp into 600 Ohms |
| Antenna: | Removable rubber duck |
| External Antenna Connector: | 50 Ohm, BNC female |

¹ Receiver specifications referenced to TIA/EIA 603

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

A flush mount kit is included for recessed applications as shown.

