EAS 911

EAS ENCODER/DECODER FOR RADIO AND TV

The EAS 911 permits Radio and Television broadcasters and emergency managers to decode, store, forward, and originate EAS messages prescribed by the FCC Part 11 EAS Rules. By using the EAS digital protocol, the EAS 911 responds only to the user pre-selected messages and forwards those messages automatically with no operator intervention. The EAS 911 also generates all the EAS header codes to initiate both alert and test messages.

FOLLOW THE SEQUENTIALLY LIGHTED KEYS

These Keys guide the operator through an intuitive encoding and set-up process. By following the blinking lights, a user can operate and complete the encoding/decoding steps in seconds. Set up of the EAS 911 is easily accomplished with a minimum number of keystrokes. No long lists of submenus to negotiate with redefinition of programming keys at each sub level.

AUTO OR MANUAL OPERATION

In the automatic mode, only the emergency events and locations "tagged" by management are allowed to be forwarded. In the manual mode, no messages are forwarded, unless manually sent by an operator. All incoming EAS headers are recorded, stored and available for review or subsequent manual forwarding. The built-in digital voice recorder stores up to a two minute audio EAS message. The EAS 911 also interfaces with automation systems.

EASY WEEKLY TEST AND TRAINING

Required Weekly Tests can be activated by password and three keystrokes or by enabling the one button weekly test key. Required Monthly Tests are forwarded automatically or stored in a queue for manual retransmission. A PRACTICE key allows off-air use for training and closed loop testing. A HELP key prints out operational help and program menus on the 24 column plain paper printer. Long term batteries protect the set up information, clock, and digital voice recorder against memory loss.

REMOTE ACCESS

The addition of a 943 Telephone Interface Unit provides remote access to originate or forward EAS messages. Recording audio alert messages can be made with an ordinary touch-tone telephone by station managers and authorized personnel in the community using password and numeric codes to encode/decode and disseminate EAS messages.

FEATURES AND BENEFITS

- Low Cost EAS Encoder and Decoder in One Unit
- Full Features for Unattended Operations
- Separate Function Keys for Encoding, Decoding, Setup and Operations
- Scans 4 Audio Inputs expandable to 6
- 2 RS-232 Interfaces and expandable to 6; 2 Relay Contact Closures
- Digital Voice Storage with Memory Loss Protection
- Plain Paper Front Panel Logging Printer
- One Button Weekly Test and One Button Manual Forward
- Weekly/Monthly Test Reminder
- Programmable Timer for Switching between Auto & Manual Modes
- Interface for Video Character Generators (standard with EAS 911T4)
- Provision for External LED Message Sign
- Interface with EAS 943 Telephone Access Unit
- FCC ID No. BIOEAS911

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SPECIFICATIONS

EAS 911R4 AND EAS 911T4

ENCODER SECTION

Protocol	FCC EAS codes, 520.83 bits per second. 2083.3 Hz mark and 1562.5 Hz space frequencies, ASCII seven bit characters ending with an eighth null bit to contribute a full 8-bit byte
Attention Signal	853 Hz and 960 Hz ± 0.5 Hz. User programmable duration
PASSWORD Key	3-digit password for operator entry. Additional 3-digit password for setup menu
CANCEL Key	Interrupts operation in progress and returns system to banner mode
HELP Key	Prints out operational help and program menus
PRACTICE Key	Allows closed loop self test for training and unit performance verification
SEND HEADER Key	Activates transmit relay and sends preconstructed header message
SEND EOM Key	Activates the transmit relay and sends end of message code
EVENT Keys	16 keys for user assigned events
WEEKLY TEST Key	Allows the EAS routine weekly test to be generated by a minimum of keystrokes
LOCATIONS Keys	14 keys for user assigned locations
SUB-DIVISION Keys	9 subdivisions within a FIPS code can be selected
DURATION Keys	User entered duration of the event in prescribed intervals
CONFIRM Keys	Confirms the completion of each step in encoder programming
On-AIR RELAY LED	Indicates the on-air relay is activated
KEY STROKE LEDs	Indicates a key switch is energized
NUMERIC Keypad	0 to 9 numerals

DECODER SECTION

MESSAGE WAITING	Key lights when a message is decoded; Acknowledges the message received
MANUAL FWD Key	Lights when a forwardable message is received; enables manual forwarding of last message received
MODE Key	Requests password entry to toggle the decoder between automatic and manual operation mode
REVIEW Key	Allows review of the last message received

OPERATION SECTION

SPEAKER Key	Turns the speaker ON and OFF; monitors inputs
PRINT Key	Commands the front panel printer to print the item shown on the LCD
ENTER, EXIT, UP and DOWN KEYS	Assists initial set up and programming of the equipment

REAR PANEL

Audio Inputs	4 audio channels for FCC EAS or NOAA SAME protocol. Balanced or unbalanced, 10k ohms, 0.35 Vp-p to 2 Vp-p, expandable to 6 channels
Data Channels	Two RS-232, 1200 baud ASCII for bi-directional link to external devices
Audio Output	-10 to +10 dBm, 600 ohms balanced, XLR connector
On-Air Relay	Relay contact closures, energized when a selected message is decoded for automatic forwarding or when the Encoder is activated for on-air application
Message Alert Relay	Relay contact closure, energized when a selected EAS message is decoded
Printer/Speaker Inhibit	Mutes the speaker and printer for "live" control room operations
RS-485	Twisted pair wiring connection for the Remote Status and Control Module

EAS 911T4 (only)

COM1, COM2, COM3 and COM4	Communication ports for interfacing with character generator, LED message signs, Telephone Interface Units and other equipment (can be purchased as option for EAS 911R4)
FCC ID No.	BIOEAS911

AVAILABLE OPTIONS

EAS 930A	AM/FM/Weather Receivers
EAS 940A	Program/Transmitter Interrupt Unit
EAS 941A	Remote Control/Status Module
EAS 943	Telephone Access Unit

MECHANICAL AND ENVIRONMENTAL

Input Power	117 VAC ± 10%, 60 Hz, 40 watts maximum
Operating Temperature	0°C to + 50°C
Size	3.5" H x 19" W x 10" D
Net Weight	Approximately 12 lbs.
Shipping Weight	Approximately 14 lbs.

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