

# EAS 911D



**EAS DECODER FOR RADIO AND CABLE TV**

The EAS 911D is a FCC Type Notified EAS Decoder-Only that permits decoding and automatic or manual forwarding of EAS messages. The EAS 911D is designed as an economical self-contained rack mount unit for easy operation and installation for both low power broadcast and small cable operations.

## **BUILT-IN COMPONENTS**

The EAS 911D has many of the features of the EAS 911 Encoder/Decoders, including a built-in impact printer, character generator interface, a lighted numeric keypad, practice operation, and many visual indicators. Password protection allows an operator to set up all parameters associated with decoding EAS messages, including setting the current date and time, setting the station time zone, automatic observance of daylight savings time, and the station's FIPS (Federal Information Processing System) code. A digital voice recorder provides the audio portion of EAS messages and automatically records incoming audio messages.

## **AUTO OR MANUAL OPERATION**

The decoder can be programmed for automatic forwarding of EAS messages when user-selected criteria of event and location are met. The event code and location codes of an incoming EAS message are compared electronically to lists stored in setup of the EAS 911D to decide whether a message should be automatically forwarded. If there is a match of both the event field and at least one of the location fields, the message will be automatically forwarded, provided it is not a duplicate or expired message.

## **CABLE TV SYSTEM COMPLIANCE**

The EAS 911D can also record a short voice announcement used for a cable television system "pointer" message and interface to a variety of switching systems.

## **INTEGRATED PROFESSIONAL QUALITY RECEIVERS**

Built into the EAS 911D are two frequency agile receiver modules ( one AM and one FM ) for receiving the two FCC mandated monitoring assignments.

## **USER FRIENDLY PROGRAMMING**

The EAS 911D front panel is laid out to guide the installer or operator through all the functions necessary to program and operate the unit. In addition to the lighted numeric keypad, the front panel also has other pushbuttons for password, cancel, practice, header send, EOM send, message waiting acknowledgment, manual forwarding, mode switching, and review of both the header and audio portions of an EAS message. Indicators for receiver signal levels, an alert relay closure, an on-air relay closure, and auto/man functions clearly show status of the decoder at a single glance.

## **FEATURES AND BENEFITS**

- Decodes and forwards EAS emergency messages
- AM & FM receivers built-in
- RS-232 output for character generator interface
- Integrated impact printer
- Built-in digital audio recorder
- Front panel mounted speaker
- LCD display
- Password protected
- Automatic or manual operation
- FCC Type- Notified  
FCC ID No. BIOEAS911D

**TFT**<sub>INC</sub>

## DECODER SECTION

REVIEW Key.....	Allows review of the last message received
MESSAGE WAITING.....	Key LED lights when a valid message is decoded; press to acknowledge the message.
MODE Key .....	Toggles the decoder between automatic and manual operation mode
SPEAKER Key .....	Turns the speaker ON and cycles the speaker monitor through both inputs.
PRINT Key .....	Commands the front panel printer to print.

## FM RECEIVER MODULE

Frequency Range .....	88-108 MHz, digitally tunable in 100 kHz steps
Antenna .....	75 $\Omega$ , Type F connector
Sensitivity .....	2 $\mu$ V for 20 dB quieting
Audio Output.....	Adjustable from rear panel, -10 dBm to +3 dBm, 600 $\Omega$ balanced, 3-pin terminal block
T.H.D. ....	Less than 3% at 66.6% modulation

## AM RECEIVER MODULE

Frequency Range .....	540 kHz to 1720 kHz digitally tunable in 10 kHz steps
Antenna .....	Terminal block connector, external AM loop antenna supplied
Sensitivity .....	20 $\mu$ V for 20 dB S/N
AGC.....	45 dB
Audio Output.....	Adjustable from rear panel, -10 dBm to +3 dBm, 600 $\Omega$ balanced, 3-pin terminal block
T.H.D. ....	Less than 3% at 66% modulation

## REAR PANEL

Data Channels .....	RS-232, 1200 band ASCII, one for input and one for output
Audio Output.....	-10 dBm 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 forwarded manually
Message Alert Relay .....	Relay contact closure, energized when a valid EAS message is decoded

## MECHANICAL AND ENVIRONMENTAL

Input Power .....	117 VAC $\pm$ 10% 60Hz 40 watts maximum
Operating Temperature.....	0 $^{\circ}$ C to 50 $^{\circ}$ C
Size:.....	5 1/4" x 19" x 16"
Net Weight .....	Approximately 8 lbs.
Shipping Weight.....	Approximately 13 lbs

