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EAS ENCODER/DECODER REAR PANEL TERMINAL DESCRIPTION

DECODER

1/14/97

Description

Term. Label

1-12 Audio In-Monitors #1...#6

Six pairs of audio inputs are each coupled to the decoder by 600 ohm to 600 ohm isolation transformers. These six audio sources are scanned for EAS alert messages.

13-14 Audio Out - 600 Ohm Sel.

Balanced 600 ohm continuous audio output from an operator selected monitor input channel #1 - #6.

15-16 Audio Out - 8 ohm sel.

Balanced 8 ohm continuous audio output from an operator selected monitor input channel #1 - #6. This will be the same audio as on 13-14.

17-18 Audio Out - 600 Ohm Alert

Balanced 600 ohm audio output from the channel carrying the alert message. This output is gated on when the alert takes place.

19-22 Control Out - Alert

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Two contact closure outputs can be used to signal remote control equipment, automation equipment or to activate a remote bell or lamp. If one of the contact closures goes to automation, do not put any other circuits on this set of contacts. This relay energizes for 1 second when an incoming message EOM is completed.

ENCODER

Term. Label

Description

23-24 Console Muting	These terminals allow console muting of the panel speaker when the unit is installed in an on/air room
25-32 Audio IN/OUT - Prgm A/B	Eight terminals for balanced 600 ohm stereo program audio lines. Via these inputs and outputs, the encoder interrupts the program audio to insert the alert message.
33-34 Control Out – Send Alert *	Contact closure which can complete the circuit for an external relay coil for a coaxial relay during the time the encoder is sending an alert signal. This will allow a low impedance (600 ohm) coaxial alert feed directly into a transmitter exciter circuit, thus bypassing all audio processing. It can also be used to energize an external relay to interrupt the program audio on an AM transmitter.
35-36 Control Out - EAS Complete *	One second contact closure output to signal automation equipment that the EAS interruption is completed.
37-38 Control In - Delete Audio	A momentary contact closure input for deleting the 853/960 attention signal and the audio message portion of a received alert message. The encoder will send only the FSK (frequency shift keying) header and EOM (end of message) portions. The momentary contact closure would be supplied by remote switch or remote control equipment contacts.
39-40 Control In - Send Alert	A momentary contact closure input to tell encoder to send a stored alert message now.
41-42 Control In - Manual	A momentary contact closure input to switch the encoder from automatic to manual control. You must wait for a 5 second delay, if you want to toggle back and forth.
43-44 Control In - EOM	A momentary contact closure input to remotely send EOM (end of message). FSK CODE
45-46 Control In - RWT	A momentary contact closure input to remotely send RWT (require weekly test). FSK header code and FSK EOM code.
47-48 Control In - RMT	A momentary contact closure input to remotely send RMT (required monthly test). FSK header code and dual tones.
49-50 Data In/Out - RS485	Serial data option for future remote control equipment.
51-52 Spare terminals	Can be used to supply battery backup power to the unit.

* USE LOW VOLTAGE D.C. CIRCUIT ON THESE CONTACTS WITH A BACK BIASED DIODE TO KILL ANY INDUCTIVE KICK FROM THE EXTERNAL CIRCUIT