

DIAGRAM OF CONNECTIONS

The use of the 269A Attenuator Panel is illustrated in the Western Electric 702A Speech Input Line Control Bay where it provides level control for two program circuits and employs the transducer networks between the two 119B Repeating Coils and the mixing circuits.

SPECIFICATIONS:

- Dimensions.....19" wide by 3½" high
- Weight.....Approximately 6 pounds
- Finish.....Aluminum gray with gray or black mat as specified
- 269A-15—Gray mat
- 269A-3 —Black mat

A development of Bell Telephone Laboratories, the research laboratories of the American Telephone and Telegraph Company and the Western Electric Company

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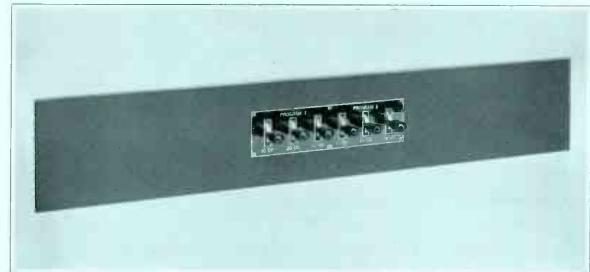
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ATTENUATOR PANEL

269A

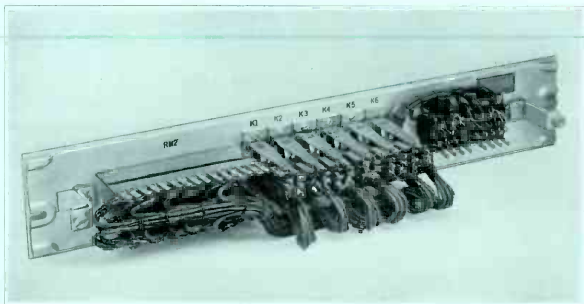
For Radio Telephone Broadcasting Systems



269A ATTENUATOR PANEL

THE Western Electric 269A Attenuator Panel provides two attenuators of the balanced "H" type for power level control on two incoming program lines. Each attenuator makes available attenuation of from 0 to 70 db in 10 db steps. They are intended for insertion in 500 or 600 ohm program line circuits and will accommodate input levels as high as 24 milliwatts (+16 db on 6 milliwatt "zero level" basis).

Two transducer networks are included in the panel for matching two program circuit repeating coils to the regular mixing potentiometers. This permits control of the line programs by the mixing operator, in the same manner as the dynamic microphones are controlled. The transducer networks will match the low impedance windings of 119-B repeating coils (approximately 37 ohms when connected to a 600 ohm line) to mixing potentiometers designed for 30 ohm microphones. The insertion loss of the transducer

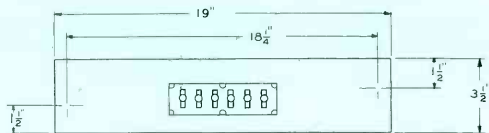


REAR VIEW OF THE 269A ATTENUATOR PANEL

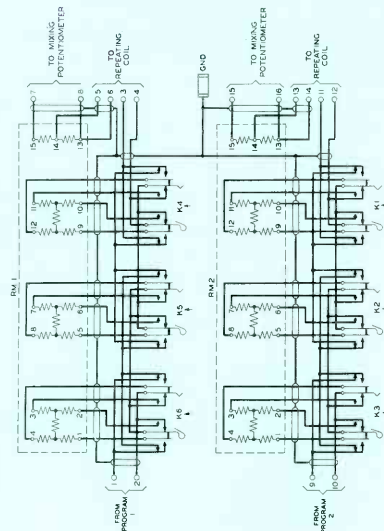
is approximately 7 db. Neither the coils nor space for mounting them is provided on this panel and the Western Electric 993A Mounting Plate is recommended as a suitable mounting.

The components are assembled on a recessed metal panel provided with a front mat which mounts the designation plate associated with the attenuator network keys. External connections are made to two terminal strips at the rear of the panel.

There are six lever type keys, three for connecting the 10 db, 20 db and 40 db attenuating networks in series with each of the program circuits. In their normal or center positions, the keys connect the program circuits through the panel to the terminal strips without attenuation.



DIMENSIONAL DRAWING, 269A PANEL



SCHEMATIC OF 269A ATTENUATOR PANEL

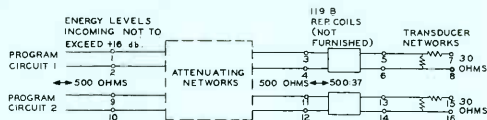


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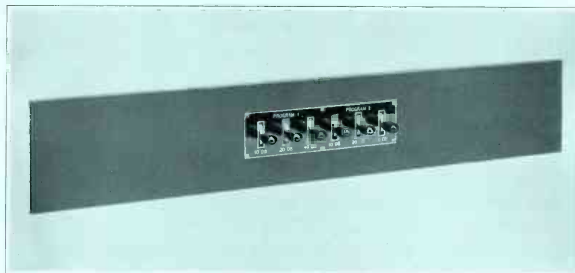
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ATTENUATOR PANEL

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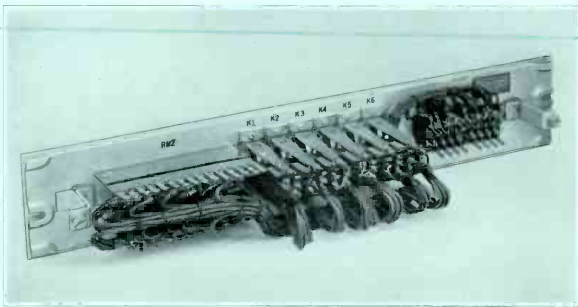
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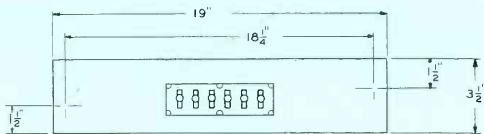


REAR VIEW OF THE 269A ATTENUATOR PANEL

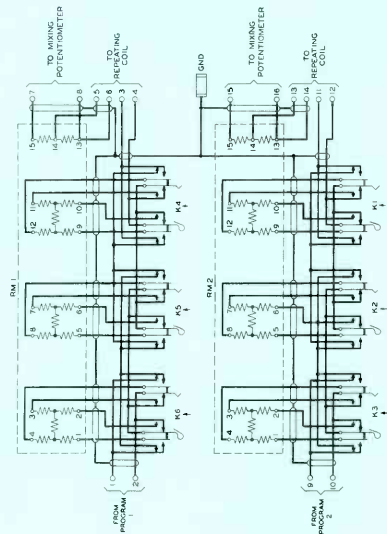
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DIMENSIONAL DRAWING, 269A PANEL



SCHEMATIC OF 269A ATTENUATOR PANEL