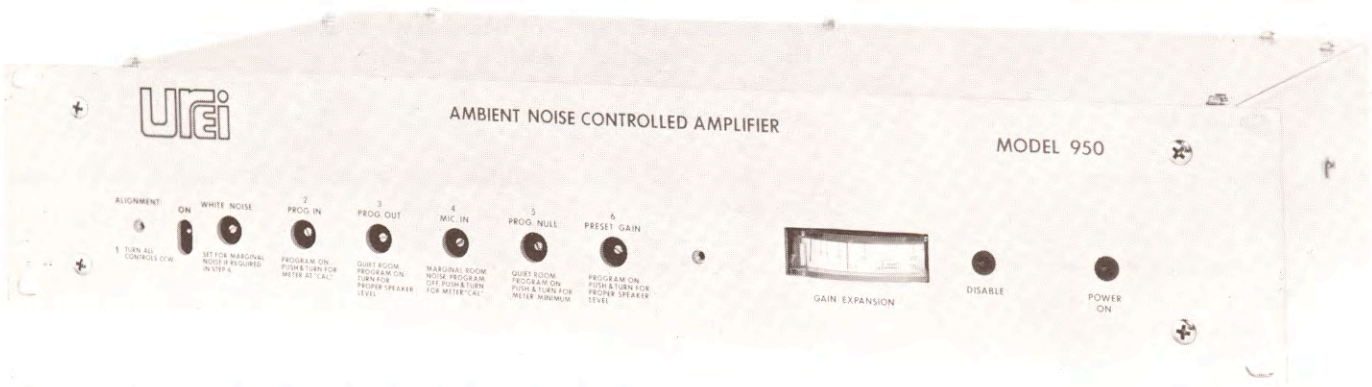
ANCA
AMBIENT NOISE CONTROLLED AMPLIFIER

MODEL
950



The UREI Model 950 "ANCA" is the first device to bring true precision to automatic P.A. level control. It compensates precisely for changes in background noise even while an announcement is in progress. The ANCA is inserted into the system immediately ahead of the power amplifier and takes full control of the announcement level.

You need only provide 3½ inches of rack space and a room-noise sensing microphone. The ANCA continuously monitors the ambient noise, eliminating that portion related to the P.A. signal. As the noise exceeds a certain preset level, ANCA begins to raise the announcement level, dB for dB. Your announcements are consistently intelligible, yet never uncomfortably loud.

The ANCA is completely self-contained (operates from 110-120V AC or 220-240V AC, 50/60 Hz) and is designed for unity gain operation before expansion. Input and output level controls allow matching to virtually any P.A. equipment.

In RAILWAY STATIONS, AIRPORTS, and BUS DEPOTS, the ANCA controller is essential. Without automatic level control, announcements are either smothered in jet-blast, or drowned in their own echoes. ANCA permits every word to be heard at a comfortable, intelligible level.

For BACKGROUND MUSIC that must be soothingly present, yet always unobtrusive, ANCA provides the perfect 'gain-riding' control.

In SPORTS ARENA P.A. SYSTEMS, ANCA lets the fans get as excited as they want, but still keeps them informed.

FEATURES:

- Expander precisely tracks increases in room noise up to 20 dB past a preset minimum.
- Expander is continuously active. Even if a jet flies past in the middle of your announcement, the ANCA will make sure you are heard.
- Controlled response time catches major noise changes, yet avoids annoying "pumping" or "breathing."
- Front panel screwdriver adjustments make alignment easy. A security cover hides them from prying hands.
- An internal noise generator may be used for alignment.
- Gain expansion is displayed on the front panel meter, in dB (0-20).
- An external contact closure can disable the expander and substitute a front-panel control (preset). This defeats any regenerative feed-back which may occur in certain situations where a particular microphone is in the direct field of a speaker.
- Input and Output are transformer-isolated.
- Output driver will provide +30 dBm (1 watt) into 600 ohms, allowing even the most insensitive power amp to be driven to full expansion.

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TECHNICAL SPECIFICATIONS

ELECTRICAL:

Input Impedance	:	Greater than 40K ohms, balanced.
Load Impedance	:	May be operated into any load 500 ohms or greater (balanced output).
Input Level	:	0 dBm for full output, adjustable, ±20 dB from front panel.
Expansion	:	Varies directly with ambient noise level greater than some preset minimum (front panel control). Maximum 20 dB.
Output Level (maximum)	:	+30 dBm (600 ohm load).
Hum and Noise	:	Better than −60 dBm at output, gain set for 0 dBm output, terminated, no expansion.
Frequency Response	:	±1 dB, 50 Hz −20,000 Hz.
Distortion	:	Less than 1%, 35 Hz to 20 kHz for any output 0 to +30 dBm.
Power Source	:	110 - 120V AC or 220 - 240V AC 50/60 Hz.

PHYSICAL:

Connectors	:	Input/output, rear panel barrier strip; sensing microphone, XLR.
Finish	:	Clear anodized aluminum panel, horizontally brushed.
Dimensions	:	483 mm standard rack x 89 mm high x 241 mm deep. (19" x 3½" x 9½").
Weight	:	5.5 kg (12 lbs.) net.