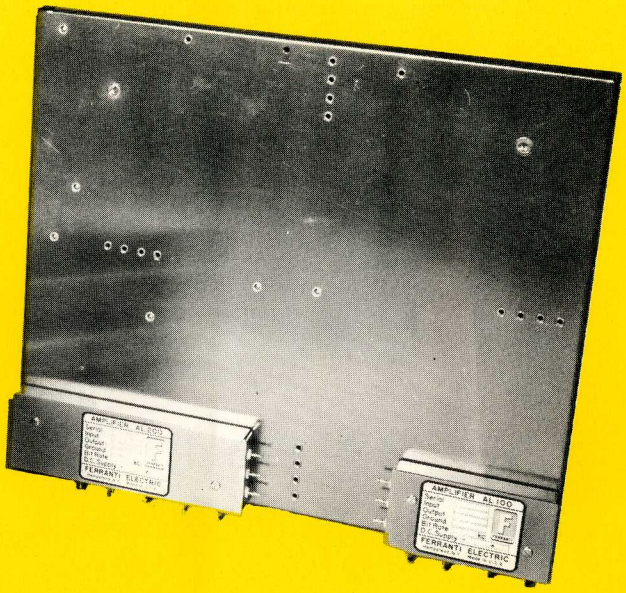
AL100
DELAY LINE AMPLIFIERS
AL200



WEST COAST REPRESENTATIVE

Roland Olander & Co.
6313 Santa Monica Blvd.
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FERRANTI ELECTRIC

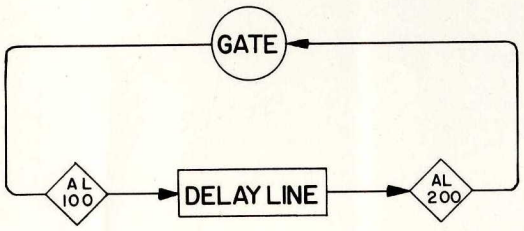
Delay Line Amplifiers
AL 100 AL 200

The AL100 and AL200 are very versatile, transistor amplifier packages designed for use with any of the standard Ferranti Electric Magnetostriction Delay Lines. Great care has been taken in the design to make the performance independent of variations in transistor characteristics.

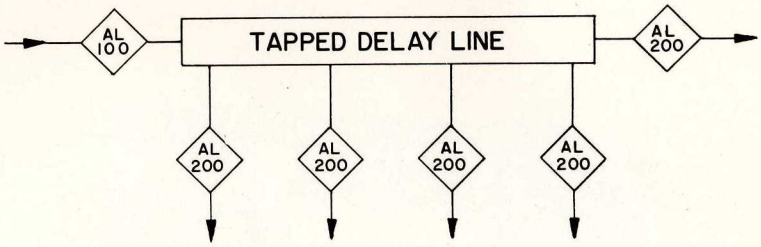
Applications

With suitable external gating the amplifier packages may be used, with appropriate Magnetostriction Delay Line packages, to provide recirculating storage, for cascaded delays or for connection to any external circuits compatible with the input and output levels.

With tapped lines a single AL100 provides the drive and AL200 is used for each output.

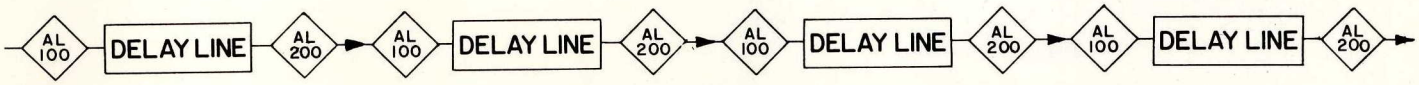


RECIRCULATING STORAGE



OUTPUT

TAPPED DELAY



DELAYS IN CASCADE

Construction

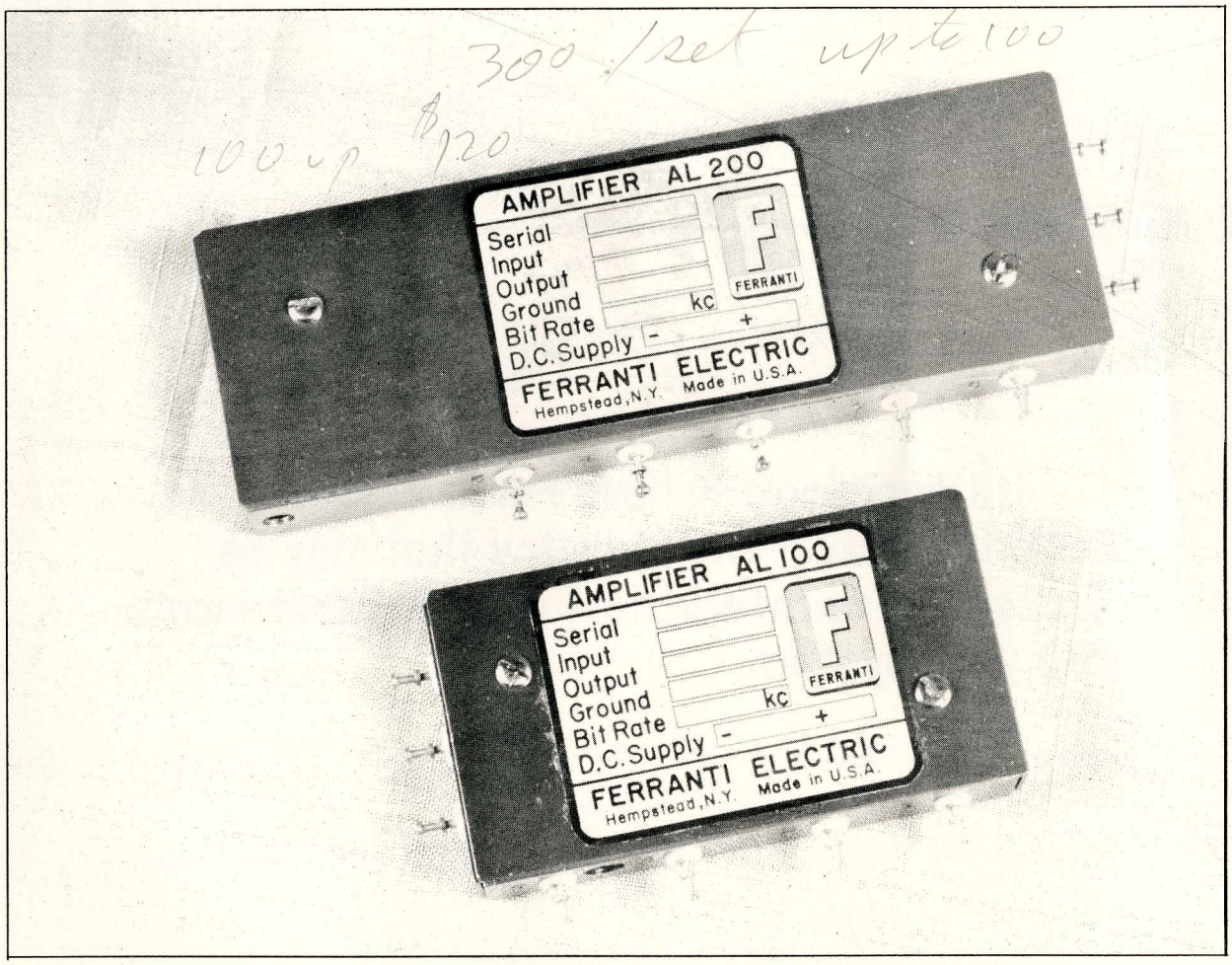
The amplifiers are packaged in anodized aluminum cases similar to those used for the delay lines. The amplifier packages are arranged so that they can be mounted to the back of the line packages with which they are used, to form an integral unit. The dimensions are compatible with the smallest line cases (L20) so that only the thickness is increased (when the packages are mounted together). The amplifier package may easily be separated from the lines for servicing.

SPECIFICATIONS

The AL100 and AL200 are suitable for driving and reading, respectively, when used with any standard Ferranti Electric Magnetostriction Delay Line.

	AL100 Driver	AL200 Amplifier-Shaper
Input Range	1 - 5 Volts* at 1 mA	5 - 100 millivolts
Output	20 - 30 milliamps	5 Volts* at 10 mA
Supplies Required at +10V, −10V, ± 1%	30 milliamps	10 milliamps
Size	1½ x 2 x ½	1½ x 5 x ½

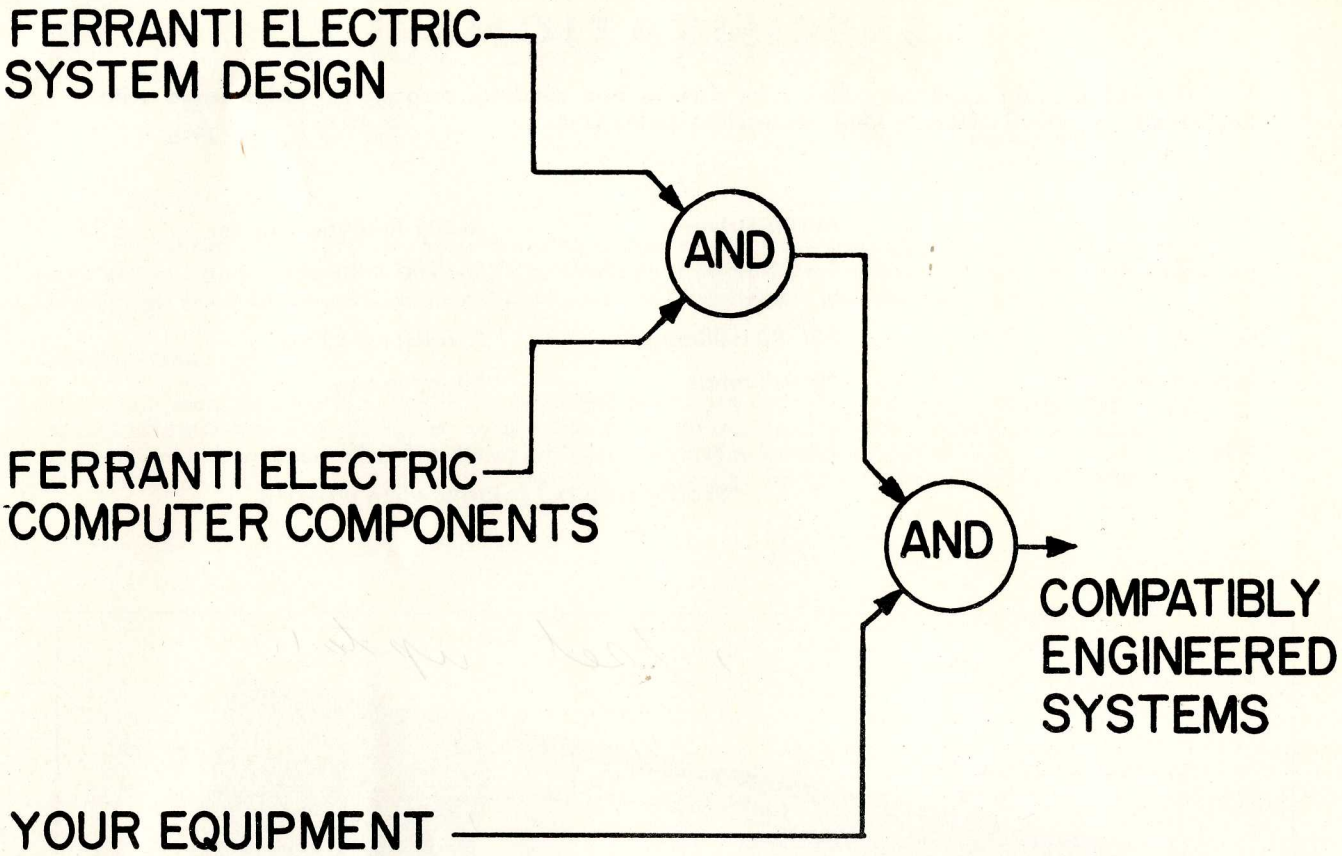
*Specify required polarity when ordering



ORDERING INFORMATION

When ordering please specify polarity of available input signal and required output signal. If the amplifiers are ordered as part of an order including delay lines, specify whether lines and amplifiers should be mounted together.

The information required for the delay line (input pulse width or carrier frequency) will still be required but in specifying the exact delay, state whether this applies to the line only or includes the amplifiers.



It's good logic to have Ferranti Engineers design and build any circuitry that may be necessary to integrate Ferranti Components into your system.

FERRANTI ELECTRIC INC.

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