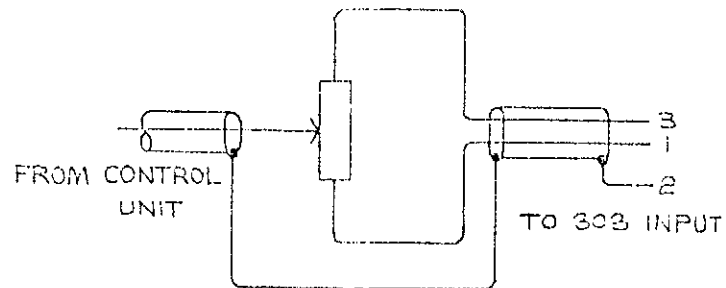
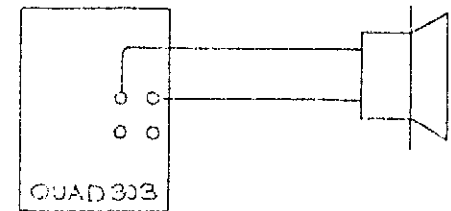


PRESET POTENTIOMETER 5K Ω LIN

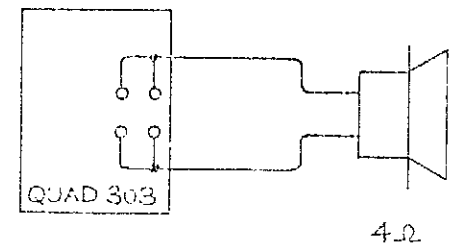


INPUT WIRING

(A) ADJUSTMENT



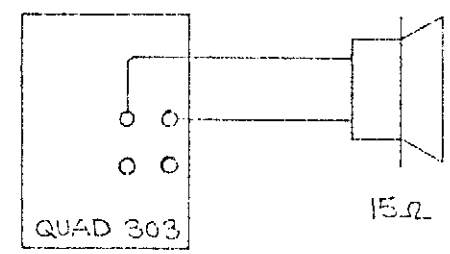
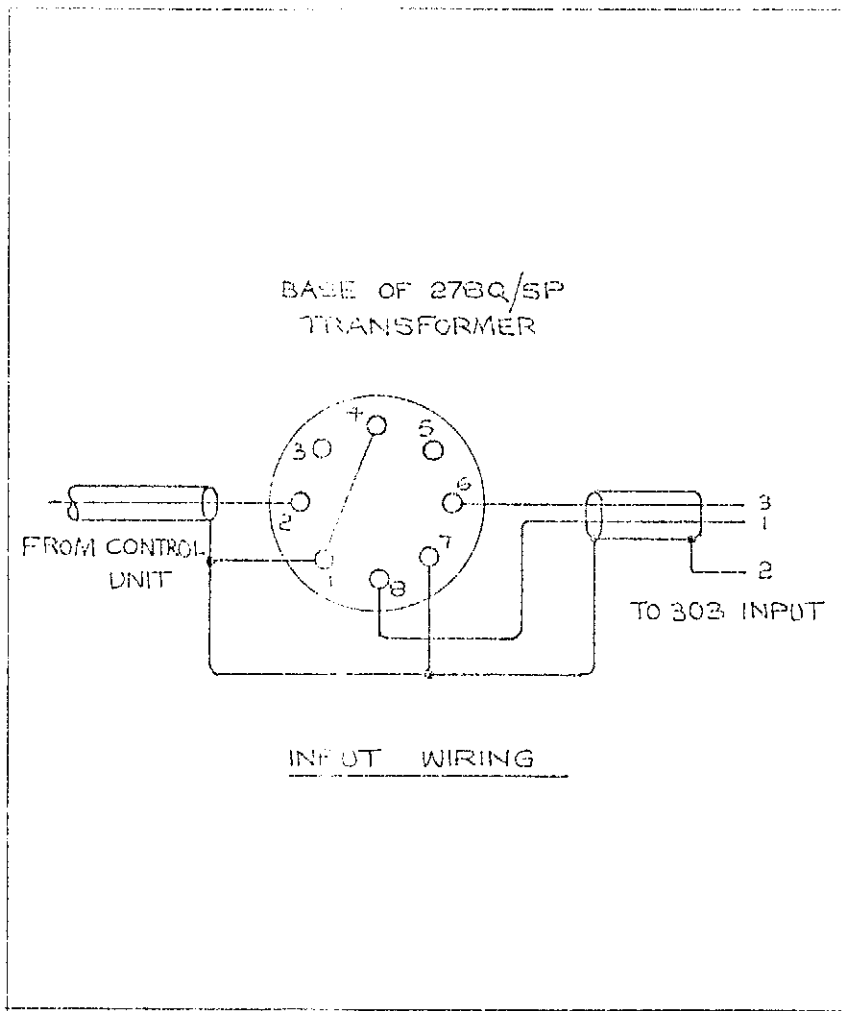
(B) OPERATION



OUTPUT WIRING

SINGLE CHANNEL OPERATION OF THE QUAD 303
PARALLEL CONNECTION - 90W 4 Ω

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SINGLE CHANNEL OPERATION OF THE QUAD 303
SERIES CONNECTION - 90W 16Ω

THE ACOUSTICAL MFG. CO. LTD. HUNTINGDON

The Quad 503 may be used as a single channel amplifier in two ways; First with the two amplifier channels in parallel, when the amplifier will deliver 90 watts to a single 4Ω load and secondly, with the amplifier channels in series when the output of 90 watts will be delivered to a 16Ω load. Obviously the mode of operation will be selected to suit the loudspeaker impedance in question.

The first arrangement requires a means of ensuring that both channels deliver the same signal amplitude to the load, most important if accurate load sharing is to be achieved. This is effected by means of a pre-set potentiometer connected as shown. For initial adjustment the loudspeaker is connected as shown in sketch A, a signal fed to the potentiometer, and the latter adjusted for a null response from the speaker.

The speaker is then reconnected as sketch B and the equipment is ready for use without further adjustment of the potentiometer.

The second arrangement requires an input transformer to provide anti-phase input signals to the two channels, and the loudspeaker connected across the two red output sockets as shown. The transformer connections in the sketch are to suit the Quad transformer 2780/SP but other suitable transformers could be used equally well.
