

**Section 3    INSTALLATION**



**GENERAL**

The MX-10 and MX-35 Mixer Assemblies will be shipped in unmounted form only. An accessory case (Cat. No. 01-96940-01) is available in which the MX-10 may be mounted along with the PR-10 tape transport and associated electronic assembly. The MX-35 may be mounted in the Catalog No. 15-0211-00 carrying case.

All necessary hardware will be included with each mixer for mounting in a rack or in the portable case.

dimensions for the mixer assembly are shown in the accompanying illustration.



*MX-10 mixer assembly — 3/4 view*

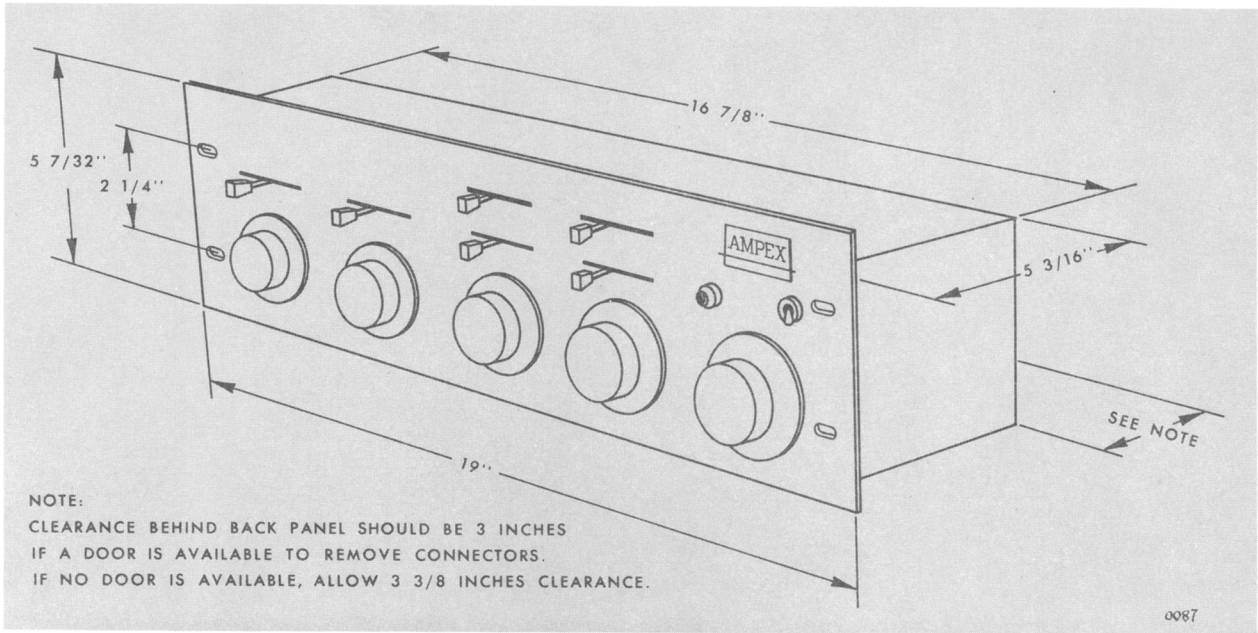
**INSTALLATION OF EQUIPMENT**

When the mixer assembly is to be custom installed, the equipment can be mounted on a standard 19-inch relay-type rack. Mounting

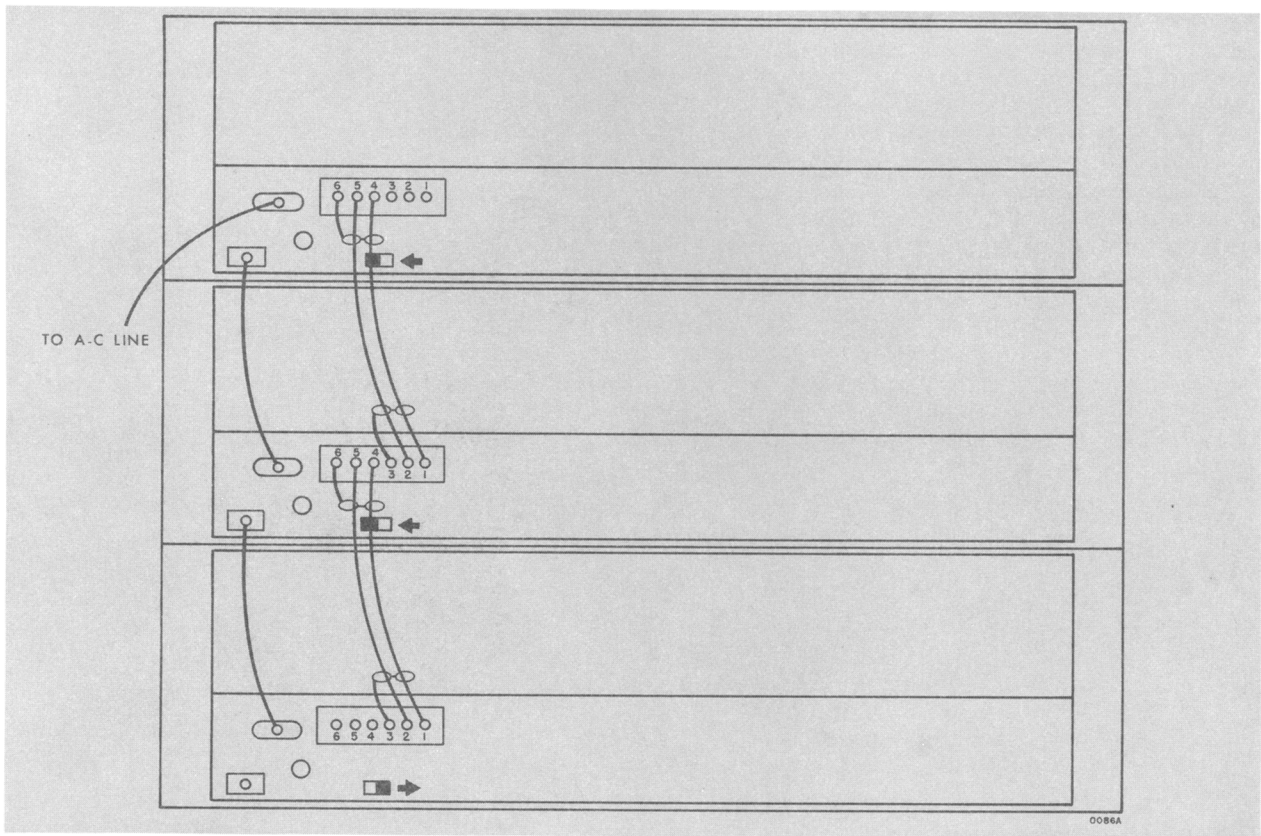


*Rack layout (shown with PR-10 Tape Recorder)*  
**INSTALLATION OF PLUG-IN ITEMS**

The only plug-in items available for the mixer assemblies are the balanced bridging line input transformer (Catalog No. 58-0116-01)



*Mounting dimensions*



*Interconnecting two or more mixers*

and the balanced matching line input transformer (Catalog No. 58-0116-02). When either transformer is to be used, it should be plugged into socket J7S and/or J8S.

If the transformers are *not* used, the dummy plug (Catalog No. 03-0034-01), which is supplied with the equipment, *must* be plugged into socket J7S and/or J8S.

## CONNECTIONS

Connect the power cable from the a-c power input connector, J12P, on the mixer assembly to a convenient 117 volt a-c power source. Connect the *OUTput* connectors, J9P and J10P, of the mixer to the input connectors of the equipment with which the mixer assembly is to be used.

If more than four inputs are required, additional mixers must be used. In this case, the coupled mixer terminal strip TS1 (pins 4, 5 and 6) of the *first* mixer should be connected to the coupled mixer terminal strip TS1 (pins 1, 2 and 3) of the *second* mixer and the coupled mixer terminal strip TS1 (pins 4, 5 and 6) of the *second* mixer should be connected to the coupled mixer terminal strip TS1 (pins 1, 2 and 3) of the *third* mixer, etc. The *OUTput* connectors of the *last* mixer should be connected to the user's equipment. The coupled mixer switch, S7, on the rear of each of the mixers, *except the last one*, should be

in the MIXER COUPLE position. The coupled mixer switch on the last mixer should be in the SINGLE MIXER NORMAL position. When two or more mixers are coupled together in this manner, there are still *only two outputs*. The "master gain" control on the *last* mixer assembly controls overall gain while all other "master gain" controls become inoperative.

If more than two outputs are required (i.e., 3 channel operation), additional mixers are also required. In this case, however, the mixers are *not* coupled together as previously described, but rather, each mixer is connected as described for single mixer operation.

Connect the inputs (lines and/or microphones) to the mixer(s) as desired.

## NOTE

*The MX-10 Mixer Assembly is specifically designed for use with the Ampex PR Series Tape Recorder/Reproducer and the MX-35 Mixer Assembly is specifically designed for use with the Ampex 351/354 Recorder/Reproducers. Use of the mixers are, however, not limited to these recorders. The mixers may be used with any electronics equipment that has an input impedance of at least 100,000 ohms and requires 1 volt rms input or less for proper operation. Cable capacity should not exceed 1000 uuf to preserve high frequency response.*