

TK60

Line Matching Transformer Kit



General Product Description

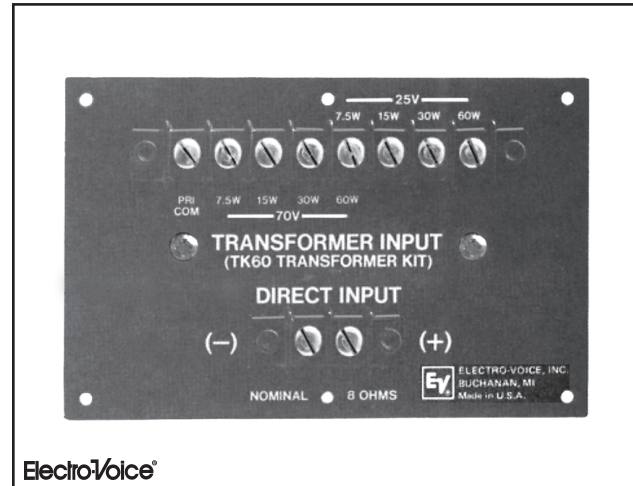
The TK60 transformer kit has been designed as a convenient option to allow efficient matching of the Electro-Voice Musicaster 100 and 100G and CM12-2 speaker systems in virtually any sound distribution application using 25-volt or 70.7 volt lines.

The TK60 transformer kit features less than 1 dB insertion loss for best utilization of amplifier power and driver efficiency. Frequency response is uniform, ± 2 dB from 35 to 20,000 Hz, so that sound quality does not change when transformers are used. By utilizing the latest transformer design techniques, each unit is conservatively rated for its respective power handling capacity. Distortion at full rated power is less than .1%.

Advantages of 25 Volt and 70.7 Volt Operation

In the case of long speaker lead lengths, advantages may be gained by using 25 volt or 70.7 volt line matching systems. By choosing the 70.7 volt system, with its relatively high impedance lines (well above nominal speaker impedance), power losses in long speaker lines are vastly reduced. This can mean a substantial saving in amplifier cost. Smaller wire can also be used without excessive power loss.

Because the TK60 transformer kit has various wattage taps, the amount of power being fed to any speaker or group of speakers can be adjusted easily without the use of resistive networks that "soak up" power and



reduce the efficiency of the system. In addition, a more powerful amplifier can be substituted at any time for the existing amplifier without upsetting the loudness balance between various speakers. Additional speakers can be added or wattage taps can be increased, up to the rated amplifier output, without affecting the loudness of the speakers already installed.

The same advantages apply to 25 volt line operation except that line losses are increased considerably due to the greater current flow. Note that in some localities building codes permit 25 volt lines to run without conduit, while 70 volt lines must have this costly additional protection. Thus, a 25 volt system may prove to be the more economical approach even though additional amplifier power or larger gauge cable is required.

Specifications:

Frequency Response:

..... 35-20,000 Hz ± 2 dB

Insertion Loss:

..... 1.0 dB

Secondary Impedance (speaker):

..... 8 ohms

Wattage Rating of Primary Taps:

..... 7.5, 15, 30, 60 watts

Dimensions:

Height 95 mm (3.75 in.)

Width 146 mm (5.75 in.)

Depth 78 mm (3.06 in.)

Net Weight:

..... .91 kg (2 lb)

Shipping Weight:

..... 1.3 kg (2 lb 14 oz)

U.S.A. and Canada only.
For customer orders, contact the Customer Service department at
800/392-3497 Fax: 800/955-6831
For warranty repair or service information, contact the Service
Repair department at 800/685-2606
For technical assistance, contact Technical Support at 866/78 AUDIO
 Please refer to the Engineering Data Sheet for warranty information.
 Specifications subject to change without notice.