

SPECIFICATIONS**Crossover Frequency,****X8:**

800 Hz

X36:

3,500 Hz

Impedance,**X8:**

8 ohms

X36:

8 ohms

Insertion Loss,**X8, Lo:**

0.75 dB

X8, Hi:

0 dB

X36, Lo:

0.5 dB

X36, Hi:

0 dB

Attenuation Rate, Per Octave,**X8:**

12 dB

X36:

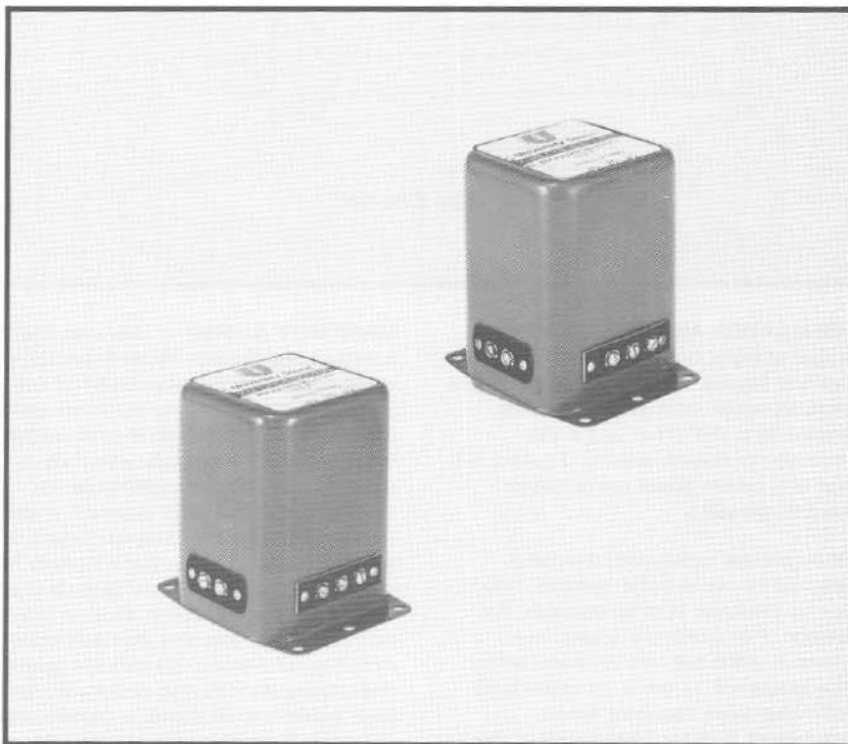
12 dB

Dimensions,**Height,****X8:** 12.1 cm (4.8 in.)**X36:** 8.9 cm (3.5 in.)**Width,****X8:** 11.4 cm (4.5 in.)**X36:** 11.4 cm (4.5 in.)**Depth,****X8:** 9.2 cm (3.6 in.)**X36:** 9.2 cm (3.6 in.)**Net Weight,****X8:**

1.8 kg (4.0 lb)

X36:

0.7 kg (1.5 lb)

**X8
X36****Crossover
Networks****DESCRIPTION**

University Crossover networks are high-Q, low insertion loss, frequency-discriminating filters designed for use in systems having a characteristic impedance of eight ohms.

All University crossovers are of constant-K configuration, which ensures like characteristics on both sides of the crossover frequency.

Because high-Q air-core inductors are used, filter characteristics are held constant despite changes in average values of program level.

University crossovers will safely handle up to 100 RMS watts, far more than the demand of average home systems.

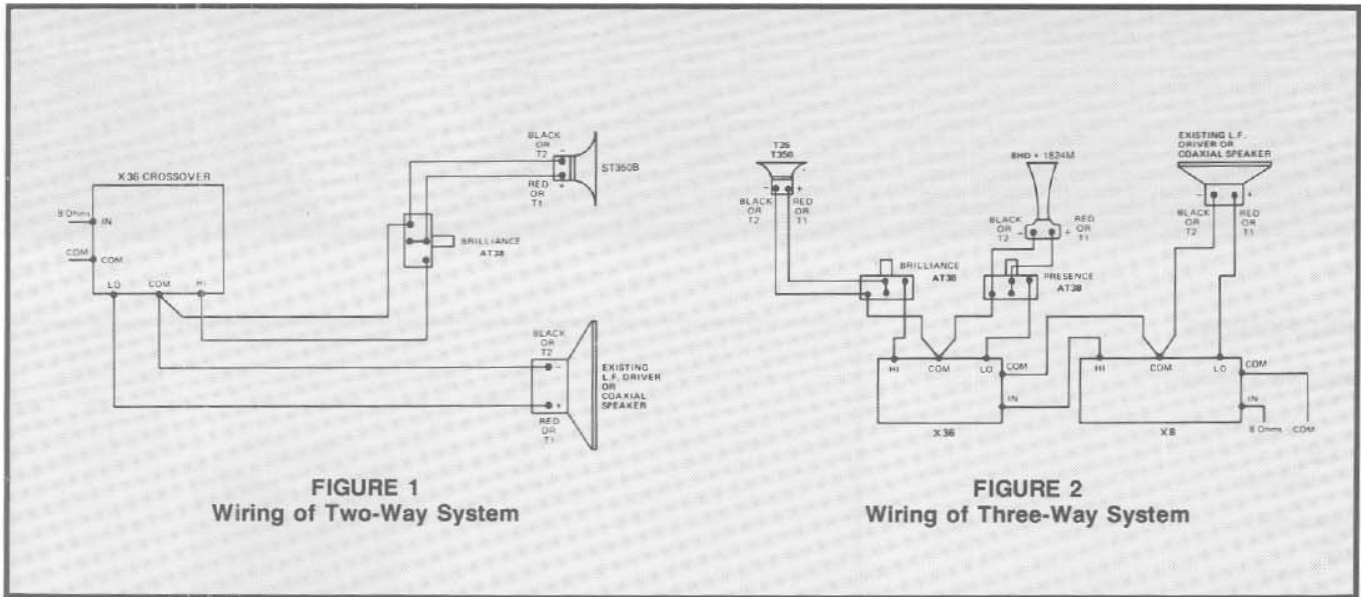


FIGURE 1
Wiring of Two-Way System

FIGURE 2
Wiring of Three-Way System

INSTALLATION AND APPLICATIONS

Typical wiring of University networks are shown in Figures 1 and 2. Figure 1 shows a single crossover separating frequencies radiated by a VHF driver and a low-frequency, or coaxial, speaker. Figure 2 is a three-way system where two crossover networks are used.

Although these crossovers have been designed for use in 8-ohm systems, they may be employed in other situations. For instance, if an 8-ohm unit is used in a system in which both the input and output impedances are 16 ohms, no appreciable shift in crossover frequency will be experienced, and the insertion loss of the crossover will be reduced. In the case of reproducers with unequal impedances, the crossover should be connected to an 8-ohm source. As an example: if an 8-ohm woofer is used with a 16-ohm tweeter, the reproduction of bass will be favored. If the tweeter is an 8-ohm unit and the woofer is 16 ohms, however, then treble reproduction would be relatively louder. In either case, the high-frequency level control will restore balance. The system's smoothness will also be slightly affected.

WARRANTY (Limited) — University Sound Speakers and Speaker Systems (excluding active electronics) are guaranteed for five years from date of original purchase against malfunction due to defects in workmanship and materials. If such malfunction occurs, unit will be repaired or replaced (at our option) without charge for materials or labor if delivered prepaid to University Sound. Unit will be returned prepaid. Warranty does not extend to finish, appearance items, burned coils, or malfunction due to abuse or operation under other than specified conditions, including cone and/or coil damage resulting from improperly designed enclosures, nor does it extend to incidental or consequential damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply to you. Repair by other than University Sound will void this guarantee. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Service and repair information for this product: University Sound, Inc., Phone 818/362-9516, FAX 818/367-5292.

Applications and technical information for University Sound products: University Sound, Inc., Technical Coordinator, Phone 818/362-9516, FAX 818/367-5292.

Specifications subject to change without notice.