

SPECIFICATIONS

Construction:

Molded black ABS shell for lightweight and durability

Dimensions,

Length:

11.2 cm (4.4 in.)

Width:

7.1 cm (2.8 in.)

Height:

2.5 cm (1.0 in.)

Net Weight:

0.09 kg (0.2 lb)

Shipping Weight:

0.23 kg (0.5 lb)

For Use With:

University Sound systems using the ST350B tweeter specifically, and other systems using tweeter models such as the T35A.



STR

Tweeter Protector

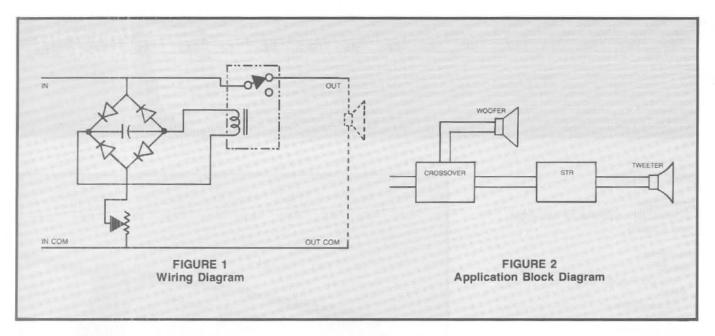
DESCRIPTION

The University Sound Model STR tweeter protector is designed to guard against potentially damaging input levels reaching the tweeter.

The STR is a relatively simple electro-mechanical voltage-sensing device that opens the tweeter circuit when such a level is sensed. When the level is again safe, the circuit closes. Opening and closing of the circuit is done by a sensitive, but rugged relay with approximately one millisecond throw time. Release time is about three milliseconds.

The tweeter protector is ideal where accidental high-input level surges might occur or where the speakers are difficult to reach because of positioning. In recording studios, where high levels are normally dealt with and tapes are occasionally fast-wound or fast-rewound with tape lifters partially down, the STR gives excellent tweeter protection.

In systems for high level sound reinforcement, particularly with rock and other high energy music, the tweeter protector ensures long-lasting, normal operation.



APPLICATION NOTES

Most electrical sensing devices disconnect the tweeter only after a certain voltage is reached, regardless of time duration, but since most speakers are able to withstand higher power over very short periods of time (as in wave front peaks and short surges), such a device tends to limit the dynamic range of the tweeter.

The STR uses a special electro-mechanical design offering wider dynamic range by allowing harmless, high-power level signals of short duration to pass through. This system allows for uninterrupted wide-dynamic-range program material, and actually increases effective power-handling of the whole system. Signals with potentially damaging, high-average-power levels, are blocked.

A speaker connected to the STR operates normally until input levels are reached that require the STR's use. A "click" is audible as the relay opens the circuit; a warning that power to the tweeter is too high. Either the input power should be reduced or high frequencies should be attenuated one more position at the crossover. When the tweeter is operating near the threshold of its powerhandling capability, the STR may

oscillate, rapidly switching the tweeter in and out of the circuit. In this case also, the power level should be reduced, either at the input, or by attenuating the high frequencies at the crossover.

INSTALLATION

The STR is an in-line device to be inserted between tweeter and crossover. Wires marked "Output;; should be connected to terminals on the tweeter, the striped lead of the STR corresponding to the T1 or positive terminal of the tweeter. Wires marked "Input" connect to the crossover (see Figure 2).

WARRANTY (Limited) — University Sound Speakers and Speaker Systems (excluding active electronics) are guaranteed for five years from date original purchase against malfuntion 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 specfied 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 products:
University Sound, Inc., Technical
Coordinator, Phone 818/362-9516,
FAX 818/367-5292.

Specifications subject to change without notice.

