

**University
Sound.**

a MARK IV company

SPECIFICATIONS

Construction:

Diecast aluminum housing finished in corrosion-resistant gray acrylic paint

Dimensions:

Length:

9.7 cm (3.8 in.)

Width:

10.7 cm (4.2 in.)

Height:

12.5 cm (4.9 in.)

Net Weight:

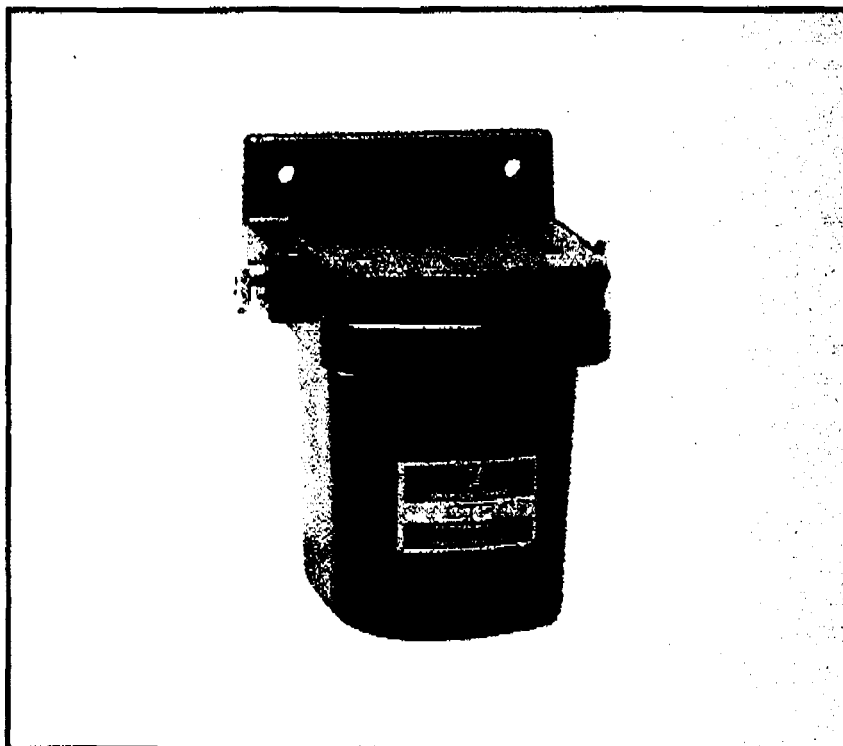
0.6 kg (1.3 lb)

Shipping Weight:

0.8 kg (1.8 lb)

For Use With:

5015, 5030 transformers
or any other transformer
with maximum dimensions of
6.04 cm (2.35 in.) x 7.32 cm (2.88 in.) x
7.32 cm (2.88 in.)



CTR

Weatherproof Transformer/Junction Housing

DESCRIPTION

The Model CTR diecast aluminum transformer housing is the last word in versatility and quality construction. Exclusive University Sound gland nut cable entrance and exit afford **complete** and assured weather protection. The gland nuts can be easily removed to provide still larger diameter openings. Use it to house the 5015 and 5030 transformers, or any other transformer having maximum dimensions of 6.04 cm (2.35 in.) x 7.32 cm (2.88 in.) x 7.32 cm (2.88 in.). Comes complete with adjustable slotted adapter strap for mounting transformers with mounting hole centers of 3.8 cm (1.5 in.) to 7.0 cm (2.7 in.). The CTR also makes an excellent junction box for terminating and tying speaker transmission lines.

INSTALLATION INSTRUCTIONS

A With Horns: A special clamp is furnished with the CTR, and is attached by means of two screws and nuts to the angled bracket which is a part of the CTR head casting. As shown in the illustration, the CTR is clamped to one of the upright sections of a horn "U" mounting bracket when it is desired to adjust the impedance match to the driver unit.

B With Paging Speakers: Note that six holes are provided on the top of the CTR head casting. These permit the mounting bases of University paging speakers to be attached in a choice of directions, since only three holes are needed to mount a speaker. Self tapping screws are furnished with the CTR for this purpose. The heavy, cast angle bracket of the CTR head is used (less clamp) to mount the CTR with paging speaker to a wall or other flat surface. The CTR can also be thus mounted, without speaker, when used as a junction box for tying together a number of speaker lines.

C On Pipes or Poles: Note that the CTR clamp has V-shaped center. This permits the CTR to be clamped to a pipe or pole up to about 2" diameter; and with longer screws than furnished, can be clamped to larger diameters.

TO INSTALL TRANSFORMER

The CTR is designed to accept transformers with maximum dimensions of 6.04 cm (2.35 in.)x7.32 cm (2.88 in.)x7.32 cm (2.88 in.) and having mounting centers up to 7.0 cm (2.7 in.). A special slotted adapter is provided for this purpose.

- 1) Remove CTR diecast back from transformer mounting casting.
- 2) If the transformer to be installed has a mounting center of 7.0 cm (2.7 in.), mount directly to the bosses in the CTR head casting.
- 3) If not, first attach the transformer to the slotted adapter with the two machine screws and nuts provided; then mount this assembly to the CTR head casting with two of the self tapping screws provided.

HOW TO USE "GLAND NUT"

Note that two entrances into the CTR are provided; one to receive the transmission line from the signal source to feed the primary of the transformer, the other to run a connection cable from the transformer secondary to the loudspeaker.

Feed the connecting cables through the gland nut assembly, as illustrated. Then position the gland nut assembly into the head casting as shown. Tighten the securing nut, to ensure a waterproof fit. If the cables are too small to fill in the space at the nut, wrap the cables with rubber tape first.

PREPARING FOR USE

The connecting cables are then soldered to the transformer terminals (use resin-core solder only, to prevent losses due to high resistance and corrosion), and the CTR case screwed back onto the head casting. The CTR can also be used as a junction or terminal box in complicated long-lines installations, without transformer.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

Transformer housing shall be of all diecast aluminum two-piece construction with a threaded cable entrance and similar exit supplied complete with weatherproof gland nut assemblies. Slotted adapter plate shall permit housing to be used with transformer up to 6.04 cm (2.35 in.)x7.32 cm (2.88 in.)x7.32 cm (2.88 in.) in dimensions and with mounting centers up to 7.0 cm (2.7 in.). V-notched clamp shall be provided for mounting housing to horn "U" bracket or pipe. Housing shall be finished in gun-metal baked acrylic. University Sound Model CTR is specified.

WARRANTY (Limited) — University Sound Accessories are guaranteed for one year from date 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 or malfunction due to abuse or operation under other than specified conditions, 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.

