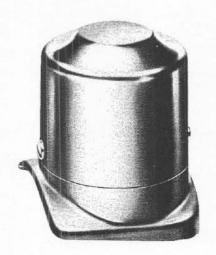
Specifications and Instructions





Commercial Sound Model PB-1 Transformer Housing

Model PB-1 is a transformer housing which may be mounted directly to the UNIVERSITY Models IB-A or CIB-A or MIL-A or CMIL-A paging projectors. This housing is designed to contain a transformer for inter-connecting between the line and the projector driver. Within this structure the UNIVERSITY Model 5434 transformer may be used, or any other type transformer with 2"

mounting centers and maximum dimensions of 1 15/16" high by $1\frac{5}{8}$ " wide.

The PB-1 unit consists of a die-cast housing base that accommodates the transformer, and a water-shedding cover which may be easily removed for purposes of making the necessary connections between the transformer, the projector unit and the feeding line.

Architects and Engineers Specifications

Transformer housing shall be comprised of die-cast mounting plate and water-shedding spun aluminum dust cover. Housing shall accommodate transformer with up to 2" mounting center and 1 15/16" x 1%" maximum dimensions.

Design shall not restrict original speaker installation flexibility; mounting directly atop the speaker bell and driver at the bell clamp is recommended. Housing shall be finished in gunmetal baked enamel. University Model PB-1 is specified.

MOUNTING

To install PB-1 on University Models IB-A or CIB-A paging projectors, (see Fig. 1 - shown with transformer in place.)

STEP 1. Remove the two screws (A) on the side of PB-1 which secure the cover to the die-cast base. Then remove cover.

STEP 2. With the cover removed, mount the transformer onto the die-cast housing base. This is done by inverting the transformer so that its frame legs rest on top of the upright bosses of the PB-1 base. Secure the transformer to these bosses by driving in the two self-tapping screws (B) provided for that purpose.

STEP 3. The PB-1 housing, together with the transformer, is then placed on top of the rounded back section of the projector so that the assembly-securing hole on the die-cast base aligns itself with the hole provided in the die-cast back of the projector.

STEP 4. When these holes have been aligned, the self-tapping screw (C) provided with the PB-1 is driven through the hole at the base of the die-cast transformer mounting base and into the hole on the die-cast back of the Model IB-A or CIB-A. This secures the base, with transformer, to the rear of the projector unit.

STEP 5. The connecting cable which normally comes from the projector is then inserted through the right-hand hole in the base of the PB-1 and is brought over the top of the transformer to make soldered connections to the proper impedance terminals on the transformer.

STEP 6. The incoming line cable is then inserted through the left-hand hole in the base of the PB-1 and is soldered-connected to the proper input terminals on the transformer as dictated by the line source impedance.

STEP 7. When these connections are made, the cap is placed back into its normal position and secured to the die-cast base by means of the two screws which had been removed previously. The conversion of the Model CIB-A or IB-A to the transformer-terminated type is now complete and ready for operation.

To install PB-1 on University Model MIL-A paging projector. For mounting the PB-1 transformer housing to the Model MIL-A (see Fig. 2) follow the instructions as for the Model IB-A. In the MIL-A, however, the assembly-securing hole (referred to in Step 3) is located forward on the driver unit, whereas, in the IB-A, it is at the rear of the driver unit.

To install PB-1 on University Model CMIL-A paging projector. The PB-1 may be mounted to the CMIL-A by generally the same procedure as outlined for University Models IB-A and MIL-A with a slight addition to the instructions. For mounting the PB-1 to the CMIL-A, it is necessary to obtain an auxiliary mounting plate (which is available upon request from University Loudspeakers, Inc.) Refer to Fig. 3.

STEPS 1 & 2. Same as for Models IB-A and CIB-A and

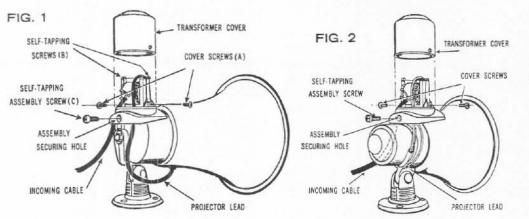
STEP 3. Place the auxiliary mounting plate on top of the driver housing against the assembly-securing boss so that the holes of the mounting plate and the boss are aligned one with the other.

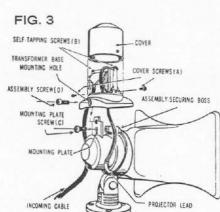
STEP 4. Secure this plate to the securing boss by driving the self-tapping, mounting plate screw (C) through the hole of the mounting plate into the securing boss.

STEP 5. The PB-1 base is now placed on the mounting plate and the CMIL-A bell so that the lip of the mounting plate is up against the inside surface of the PB-1 base with the upper hole of the mounting plate in line with the mounting hole of the base.

STEP 6. The PB-1 base is then secured to the mounting plate by driving the self-tapping screw (D) in the base into the hole in the auxiliary plate.

STEP 7. The connections between the projector, transformer, and the incoming line may then be made following the in-structions given in Steps 5, 6 and 7 for Model IB-A.





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WARRANTY University Sound guarantees all products to be free from defective material and workmanship for the following period from the date of resale by an authorized University Sound distributor.

- A. Electronic Products Two (2) Years
- B. Speakers & Microphones Five (5) Years
- C. Underwater Products One (1) Year

University Sound will replace defective parts and repair malfunctioning products under this warranty when the defect occurs under normal installation and use, provided the unit is returned to our factory via prepaid transportation. (Parcel post is not suggested.) This warranty provides that examination of the returned product must disclose, in our judgment, a manufacturing defect. This warranty does not extend to any product which has been subject to misuse, neglect, accident, improper installation, or where the serial number has been removed or defaced and is given in lieu of any other warranty implied or expressed and will not cover any consequential damages.



