

ACT-2

Audio Coupling Transformer



Voice Control Systems

General

The ACT-2 Audio Coupling Transformer is used with the DVC-AO/RM-1 and AA-30, AA-100, or AA-120 to provide a means to drive multiple amplifiers in large audio system applications. It provides the following functions:

- Attenuates high-level amplifier output to create low-level input for additional amplifiers.
- Isolates input from output.
- Provides CMNR (Common Mode Noise Rejection).

Suitable Configurations

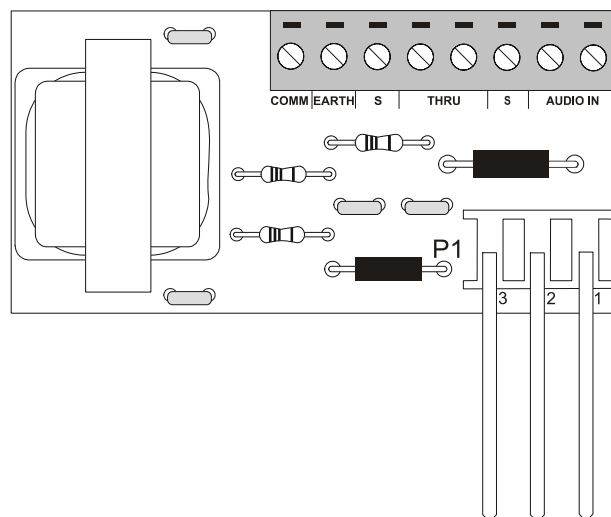
To drive AA-120/120E, AA-100, and/or AA-30/30E audio amplifiers: The ACT-2 provides electrical isolation between its input and output and attenuates the signal from high-level audio to low-level audio. Ground fault detection is not provided for output wiring on the ACT-2. Up to 40 audio amplifiers may be fed by the output of an ACT-2 as long as the wiring does not exceed 200 feet (61 meters), 18 to 12 AWG (0.78 to 3.1 mm²).

The DVC-AO/RM-1 low-level signal is first fed into a single AA-30 amplifier. The high-level output of this amplifier will support a Class A or Class B wiring arrangement and can be fed to the input of up to 500 ACT-2 units. The outputs of each of the 500 ACT-2 transformers may then be used to feed a low-level audio signal to the input of as many as 40 additional AA Series amplifiers. The output of an ACT-2 supports Class B wiring only. Where Class A wiring is required, all amplifiers served by an ACT-2 must be housed in the enclosure containing the ACT-2.

Agency Listings and Approvals

In some cases, certain modules may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

- **UL Listed:** S635.
- **MEA:** 447-99-E; 128-07-E; 345-02-E; 232-06-E; 317-01-E (correction).
- **CSFM:** 7170-0028:216; 7170-0028:223; 7170-0028:244.
- **FM Approved.**



Product Line Information

ACT-2: Audio Coupling Transformer. Includes installation manual. Mounts to AA Series amplifier.

NOTE: Refer to the DVC (Digital Voice Command) data sheet (DN-7045) for further information on system components.

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