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Technical Bulletin

ACT-1 with DVC-AO

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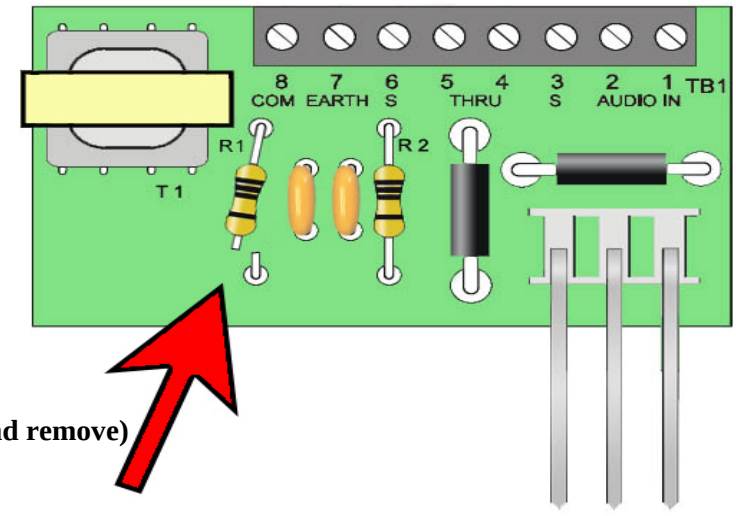
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An issue has been identified when using multiple ACT-1 Audio Coupling Transformers on DVC-AO analog outputs. The system will report a SHORT CIRCUIT TROUBLE event for the analog output on the DVC-AO. This issue only applies to applications using the DVC-AO, which utilizes a DC supervision of low level audio circuits that was not present in legacy audio products.

NOTIFIER is currently developing the 'ACT-LO' to address this issue, which will be a UL listed version of the ACT-1 with resistor R1 removed.

If this issue occurs on a DVC-AO circuit using more than one ACT-1, the following options may be considered:

1) If only XPIQ amplifiers are being used, remove the ACT-1 from the circuit and verify that no ground fault conditions occur. The ACT-1 units may not be necessary.
2) In bulk applications, consider configuring the system with ground fault detection at a primary location.
3) Some applications may be reconfigured with a separate DVC-AO circuit for each ACT-1.
4) Until the new ACT-LO is available it may be necessary to cut and remove resistor R1 on each ACT-1. **Please note that cutting resistor R1 will void the UL listing on the ACT-1; therefore this modification requires approval from the local Authority Having Jurisdiction.**



RESISTOR R1
(cut both leads and remove)

As soon as the ACT-LO is available it will be provided at no cost to replace any modified ACT-1 products.

Technical questions regarding this notice should be addressed to NOTIFIER Technical Services.