

Technical Service Bulletin

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TSB # 25

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Per ECR # N/A

Product(s) affected:
LRL110107.0001

Description of problem:

1. LDA system has AC Mains fuses installed that are not adequately rated for the normal surge current when AC Mains power is applied to the unit.
2. Current fault limit set too tightly for high-current LDAs.

Design change to resolve problem:

1. Change AC Mains fuse to surge withstanding type.
2. Modify current sense circuit to raise current fault threshold.

Instructions for modification:

1. Fuse replacement: Remove VertexRSI p/n EFUS-218001 (230VAC applications) or EFUS-218002 (115VAC applications) from fuse block. Replace fuse with Littelfuse type 213001 (VertexRSI p/n EFUS-0213001) or 213002 (VertexRSI p/n EFUS-0213002) slo-blo, surge withstanding fuses.

2. Current fault circuit modification: On Alarm PCB Assembly APCB-14225-1, add 1 ea. VertexRSI p/n PRSL ERJ14RSJR10U 0.1 ohm resistor in parallel (stack) with R6 & R8. Install VertexRSI p/n PRSS-100 10 ohm 0805 size resistor in parallel with R58. Adjust alarm circuit center potentiometers R4 & R5 to re-center alarm window.

Units that must be modified:

LRL110107.0001

Units that do not need to be modified:

Cognizant Engineer:
Robert Statham

Date:

3/1/2004