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GE Industrial Systems

Functional Testing Specification

*Renewal Services
Louisville, KY*

LOU-GED-IC3601A207x-A

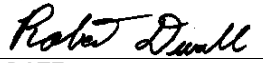
Test Procedure for an AC to DC converter

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A	Initial release	Frank Howard	11/15/02
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PREPARED BY Frank Howard	REVIEWED BY	REVIEWED BY	QUALITY APPROVAL 
DATE 11/15/02	DATE	DATE	DATE 11/15/02

Functional test procedure for

1. SCOPE

1.1 This is a functional testing procedure for a.

2. STANDARDS OF QUALITY

2.1 Refer to the current revision of the IPC-A-610 standard for workmanship standards.

3. APPLICABLE DOCUMENTS

3.1 The following document(s) shall form part of this specification to the extent specified herein. Unless otherwise indicated, the latest issue shall apply.

2.1.1

4. ENGINEERING REQUIREMENTS

4.1 Equipment Cleaning

4.1.1 Equipment should be clean and free of debris prior to applying power unless performing an initial check. Refer to the local documented procedures for cleaning guidelines.

4.2 Equipment Inspection

4.2.1 Equipment should be visually inspected for any defects prior to applying power. This inspection should include the following as a minimum:

- 4.2.1.1 Wires broken or cracked
- 4.2.1.2 Terminal strips / connectors broken or cracked
- 4.2.1.3 Loose wires
- 4.2.1.4 Components visually damaged
- 4.2.1.5 Capacitors leaking
- 4.2.1.6 Solder joints damaged or cold
- 4.2.1.7 Circuit board burned or de-laminated
- 4.2.1.8 Printed wire runs burned or damaged

5. EQUIPMENT REQUIRED

5.1 The following equipment is required to perform the process requirements. Equipment may be substituted provided that all accuracy's and test ratios are equivalent or better.

Qty	Reference #	Description
1		DVM (Fluke 87 or better)
1		115VAC Supply

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6. TESTING PROCESS

6.1 Setup

6.1.1 Connect 115ac To L1 and L2 at TB1 and TB2.

6.2 Testing Procedure

6.2.1 Turn on AC power and verify 80 –120VDC between TB7 and TB8. TB is terminal strip on top of unit and 8 is closest to C1 and C2. (The 400UF caps.)

6.2.2 Verify AC ripple is less than 75mVAC.

6.2.3 Connect 115vAC to L3 and L4 at TB3 and TB4. Repeat step 6.2.1 and 6.2.2

6.3 *TEST COMPLETE *****

7. NOTES