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GE Industrial Systems

## Functional Testing Specification

*Renewal Services  
Louisville, KY*

**LOU-GED-193X191xx**

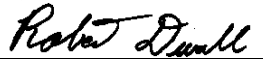
### Test Procedure for a Card 193X191ABG01

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REV.	DESCRIPTION	SIGNATURE	REV. DATE
A	Initial release	S. Pharris	10/22/02
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<b>DATE</b> 10/22/02	<b>DATE</b>	<b>DATE</b>	<b>DATE</b> 10/24/02

## Functional test procedure for 193x191ABG01

### 1. SCOPE

1.1 This is a functional testing procedure for a. 193X191ABG01

### 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		Fluke DMM or Equivalent
1		Variable AC Transformer
1		2.7 Ohm Resistor
1		193X Interface Box

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## 6. TESTING PROCESS

### 6.1 Setup

- 6.1.1 Insert UUT into 193X interface box.
- 6.1.2 Set variable AC transformer for 7VAC.
- 6.1.3 Connect transformer output to tab 18 and 19.
- 6.1.4 Connect tab 3 to 2.7 ohm load resistor.
- 6.1.5 From other side of resistor to + on DMM.
- 6.1.6 Connect tab 29 to common on DMM.

### 6.2 Testing Procedure

- 6.2.1 Set DMM for VDC.
- 6.2.2 Energize transformer
- 6.2.3 Verify output on DMM is +5 VDC @ 5%.
- 6.2.4 Increase voltage on transformer to 10 VAC.
- 6.2.5 Verify output on DMM is 5.5 VDC @ 5%.
- 6.2.6 Let run for minimum of 5 minutes.
- 6.2.7 Verify output on DMM is still within tolerance.

### 6.3 \*\*\*TEST COMPLETE\*\*\*

## 7. NOTES