g GE Industrial Systems *Renewal Services* *Louisville,KY*	**Functional Testing Specification** **LOU–GED-3S7505PS700**

Test Procedure for a Card

DOCUMENT REVISION STATUS: Determined by the last entry in the "REV" and "DATE" column

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PREPARED BY	REVIEWED BY	REVIEWED BY	QUALITY APPROVAL
Steve Pharris			Robert Dwall
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Functional test procedure for a 3S7505PS700C6

1. SCOPE

1.1 This is a functional testing procedure for a. 3S7505PS700C6

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		Reflector

6. TESTING PROCESS

6.1 Setup

6.1.1 Remove back panel.

6.1.2 Inside unit set relay to pick up on light.

6.1.3 Attach cheater cord to terminal strip where indicated.

6.2 Testing Procedure

6.2.1 With DMM verify N.O. contact on relay is open and N.C. contact is closed

6.2.2 Apply power and verify light is coming out of glass piece on front of unit.

6.2.3 Using reflector reflect light back through glass piece. Relay should energize.

6.2.4 With DMM verify N.O. contact is closed and N.C. contact is open.

6.3 ***TEST COMPLETE ***

7. NOTES

If light beam to or from glass piece is broken relay will de-energize.