



GE Energy

## Functional Testing Specification

Parts & Repair Services  
Louisville, KY

LOU-EPROM Programmer

### Work instruction to programming an EPROM on the Unisite Programmer

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

| REV. | DESCRIPTION     | SIGNATURE | REV. DATE |
|------|-----------------|-----------|-----------|
| A    | Initial release | C. Wade   | 5/2/2012  |
| B    |                 |           |           |
| C    |                 |           |           |

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| DATE<br>5/2/2012       | DATE        | DATE        | DATE<br>5/2/2012                        |

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| <b>LOU-EPROM Programmer<br/>REV. A</b> | <div data-bbox="548 205 581 254" data-label="Image"></div> <div data-bbox="737 258 980 336" data-label="Text"> <p><b>GE Energy</b><br/>Parts &amp; Repair Services<br/>Louisville, KY</p> </div> | <b>Page 2 of 3</b> |
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## 1. SCOPE

1.1 This is a functional testing procedure for programming EPROMs

## 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.

3.1.1 Check Unisite manual for more information

## 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 site specific SRA's 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, cracked, or loosely connected

4.2.1.2 Terminal strips / connectors - broken or cracked

4.2.1.3 Components - visually damaged

4.2.1.4 Capacitors - bloated or leaking

4.2.1.5 Solder joints - damaged or cold

4.2.1.6 Circuit board - burned or de-laminated

4.2.1.7 Printed wire runs / Traces - 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   |             | Unisite Programmer |
|     |             |                    |
|     |             |                    |
|     |             |                    |
|     |             |                    |

|   |  |                           |
|---|--|---------------------------|
| <p><b>LOU-EPROM Programmer<br/>REV. A</b></p> | <p><b>g</b></p> <p><b>GE Energy</b><br/>Parts &amp; Repair Services<br/>Louisville, KY</p> | <p><b>Page 3 of 3</b></p> |
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## 6. Testing Process

### 6.1 Setup

**6.1.1** Suggest rebooting machine if programmer has not been used in a while. If there is a power glitch, unit will not respond properly. Be sure that the PLCC/tray is removed before rebooting, causes problem during reboot. This takes a couple of minutes.

**6.1.2** The menu is pretty simple, here are a few hints that may help.

### 6.2 Testing Procedure

**6.2.1** Go to menu bar at top and select the following. This is for running a program from our server.

**6.2.1.1** Data> Load Ram From > PC/Network File

**6.2.1.2** Got to browse and find file.

**6.2.1.3** May have to click all files types to display them all.

**6.2.1.4** Select the file.

**6.2.1.5** Translation Format (99) Intel Hex-32 seems to work well for the PSP3815 files.

**6.2.2** You must select the specific device before programming, specific to manufacturer.

**6.2.3** Programming chip

**6.2.3.1** Process > Program/verify only

**6.2.3.1.1** POP up box will appear, click OK to proceed and click start to begin the program.

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

## 7. Notes

**7.1** None at this time.

## 8. Attachments

**8.1** None at this time.