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GE Industrial Systems

Functional Testing Specification

*Renewal Services
Louisville, KY*

LOU-GE-IC3650SRDG

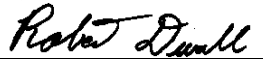
Test Procedure for a IC3650SRDG Card

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DATE 7/03/2002	DATE	DATE	DATE 07/03/02

Functional test procedure for IC3650SRDG2 Relay Driver card

1. SCOPE

1.1 This is a functional testing procedure for a IC3650SRDG2 RELAY DRIVER CARD.

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

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	H033957	LODTRAK CALIBRATION MODULE

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6. TESTING PROCESS

6.1 Setup

6.1.1 CHECK CR10-17 DIODES AND THE MOV'S FOR SHORTS BEFORE INSERTING CARD IN TEST FIXTURE.

6.2 Testing Procedure

6.2.1 WITH POWER TO CALIBRATION MODULE OFF, INSERT SODC2 TEST CARD IN CENTER SOCKET AND SRDG2 CARD TO BE TESTED IN REAR SOCKET.

6.2.2 SET RTD RESISTANCE DECADE TO 220, AND ADJUST ALARM, TRIP, RUN, AND STALL TRIMPOTS ON SODC2 TEST CARD FULLY CW.

6.2.3 SWITCH ON UNIT POWER AND CARD POWER ON MODULE. THE ALARM AND TRIP LIGHTS SHOULD BE OFF.

6.2.4 ADJUST ALARM TRIMPOT CCW UNTIL ALARM LITE LIGHTS AND ALARM RELAY CLICKS. ADJUST TRIP POT CCW UNTIL TRIP LITE LIGHTS AND TRIP RELAY CLICKS.

6.2.5 SWITCH OFF CARD POWER AND RELAYS SHOULD DROP OUT AND LITES SHOULD GO OUT. RETURN ALARM AND TRIP POTS TO CW AND REAPPLY CARD POWER. LITES AND RELAYS SHOULD NOT ACTIVATE.

6.3 *TEST COMPLETE *****

7. NOTES