

ABB

Functional Testing Specification

*Parts & Repair Services
Louisville, KY*

LOU-GED-IS200TBCIH2xxx

Test Procedure for a GE Mark Vie IS200TBCIH2xxx 24 Volt Contact Input card.

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

REV.	DESCRIPTION	SIGNATURE	REV. DATE
A	Initial release – for the 24 Volt version of this card. The 125 Volt version is tested in the Mark VI TMR Rack.	J. Francis	02/20/2019

PREPARED BY J. Francis	REVIEWED BY	REVIEWED BY	QUALITY APPROVAL L. Groves
DATE 02/20/2019	DATE	DATE	DATE 02/20/2019

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1. SCOPE

- 1.1 This is a functional testing procedure for a GE Mark Vie IS200TBCIH2xxx 24 Volt Contact Input 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 Check board's electronic folder 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	H190199	IS200TBCIH2xxx Test Fixture. (See attached photo 8.2)

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6. TESTING PROCESS

6.1 Testing Procedure

- 6.1.1 Verify the ID Chip for connectors JR1, JS1, and JT1.
- 6.1.2 Install unit onto test fixture.
- 6.1.3 Apply power to test fixture.
- 6.1.4 Once power is applied, the **POWER** Indicator should illuminate along with all 24 of the Contact Output indicators.
- 6.1.5 Push the "INPUTS" button and all 24 Contact Output indicators should go out.
- 6.1.6 Release the "INPUTS" button and all 24 Contact Output indicators should come back on.

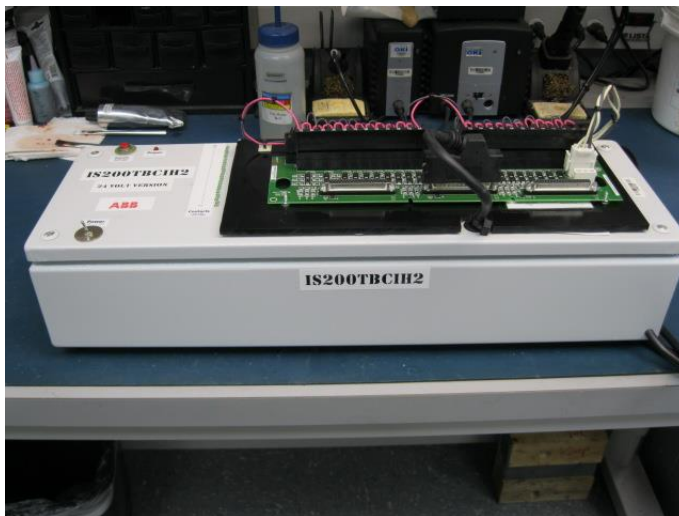
6.2 *****TEST COMPLETE *****

7. NOTES

- 7.1 *If any of the Contact Output indicators does not illuminate, repair the circuit and retest unit.*

8. ATTACHMENTS

8.1 Test Fixture Photo



8.2