



GE Power Generation Engineering

Materials and Processes Engineering
Schenectady, NY 12345

PROCESS SPECIFICATION

P3K-AL-0436-A01

TEST INSTRUCTIONS FOR MOTOR DRIVE CIRCUIT BOARD 1L2-G002

DOCUMENT REVISION STATUS: DETERMINED BY THE LAST ENTRY IN THE "REV" AND "DATE" COLUMN

REV.	AN NO.	DESCRIPTION	SIGNATURE	REV. DATE
A	YA00096	SPECIFICATION LISTED IN STEAM TURBINE/GENERATOR INDEX AS "INACTIVE" HAS BEEN FORMALLY REVISED AS "INACTIVE FOR NEW DESIGN". (PR BUDKA)	C.R. Tripp	DEC 02 1991
<div>INACTIVE FOR NEW DESIGN AS OF 12/02/91</div>				

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PREPARED BY: P.R. BUDKA

ORIG. ISSUE DATE: --

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P3K-AL-0436-A01	TEST INSTRUCTIONS FOR MOTOR DRIVE CIRCUIT BOARD		
CONT ON SHEET 3	SH NO. 2	112-G002 FIRST MADE FOR (ASSEMBLY DRAWING 118D1333-G1) EHC MARK II	

I. CIRCUIT DESCRIPTION

This board contains the thyrectors and relays that provide 115 VAC to the two phase motors that position the potentiometers for the pressure limiting, rotor warming and SPF transfer.

II. CIRCUIT SPECIFICATIONS

1. Isolation between circuits.

The resistance between any two of the following points should be > 1M ohm:

TB1-1 and TB1-3
TB2-18 and TB2-24

2. Continuity.

The resistance between the following pairs should be < 0.1 ohm:

TB2-24 and TB2-29
TB2-24 and TB2-30
TB2-24 and TB2-31

The resistance from each relay case and TB3-36 should be < 0.1 ohm.

3. Thyrectors

The resistance between the following pairs should be > 100K ohms.
(Use a low voltage instrument for these measurements).

TB2-31 and TB2-23
TB2-31 and TB2-25
TB2-30 and TB2-21
TB2-30 and TB2-22
TB2-29 and TB2-19
TB2-29 and TB2-20

If the board is uncoated these checks can be done across the thyrector themselves.

4. Logic

Make the following connections:

TB1-1: 24V common
TB1-3: +24 VDC
TB2-24: 115 VAC common
TB2-18: 115VAC phase

Connect 115V miniature lamps to:

TB2-19, 20, 21, 22, 23, 25, and 115 VAC common.

The logic and path continuity should conform with the following table.

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PRINTS TO

MADE BY SPOLACER	SEP 21 1977	APPROVALS	Steam Turbine	DIV OR DEPT.	P3K-AL-0436-A01
ISSUED	SEP 22 1977		Schenectady, N.Y.	LOCATION	CONT ON SHEET 3 SH NO. 2

GENERAL ELECTRIC

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TEST INSTRUCTIONS FOR MOTOR DRIVE CIRCUIT BOARD

112-G002

FIRST MADE FOR (ASSEMBLY DRAWING 118D1333-G1) EHC MARK II

REVISIONS

CORRECT OUTPUTS AT PINS

TB2

INPUTS AT PINS

TB1 (0V or 24 VDC)

PRINTS TO

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Steam Turbine

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P 3K-AL-0436-A01

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Schenectady, N.Y.

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TITLE

TEST INSTRUCTIONS FOR MOTOR DRIVE CIRCUIT BOARD
1L2-G002

FIRST MADE FOR (ASSEMBLY DRAWING 118D1333-G1) EHC MARK II

CORRECT OUTPUTS AT PINS

TB2

(CONTINUED)

INPUTS AT PINS
TBI (OV or 24 VDC)

TBI (0V or 24 VDC)

19	20	21	22	23	25
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0 1 E C 7 0

[illegible]

NOTES:

0: 0V or lamp off
1: 24 VDC or lamp on
2: 115 VAC or lamp on

This table is not sequential, therefore the sequence of stages is not essential. Care has been taken so that only one input transition occurs at a time; it is understood that this is a constraint of the available test set-up; were this not the case, the table could be shortened to a smaller number of stages.

REVISIONS

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MADE BY *Stinner* SEP 21 1977
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Steam Turbine

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