P3K-AL-0356 -A01

CONT ON SHEET

REVISIONS

1978

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CONT ON SHEET

P3K-AL-0356 -A01

TITLE

1

TEST INSTRUCTIONS FOR LOAD RATES AND LOAD SET LIMITS ANALOG/LOGIC CIRCUIT BOARD 1L3-COO1

(Ass'y Drawing 117D7728 G-1) FIRST MADE FOR

CIRCUIT DESCRIPTION

SH NO.

This circuit board is used to consolidate all of the analog to logic relays that provide switching signals to the Loading Rates and Load Set Limits Analog Circuit.

The board contains eight (8) 24V mercury wetted relays.

CIRCUIT SPECIFICATIONS II.

- Connect +24 VDC to pin 38 and ground to pin 40. A +24V should appear between TP1 and TP2. Connect 24V 20 MA lamps to pins 6, 7, 8, 9, 10, 11, 12, and 14.
- The logic and path continuity should be checked according to the following table:

ACTIVE

APPROVALS

273-221 273-227

prints.JC

CODE IDENT HO.

B.Mone Oct. 28, 1974

2 8 1974

Steam Turbine

Schenectady, N.Y.

DIV OR ... DEPT.

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CONT ON SHEET 4 SH NO. 3

REVISIONS

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REV NO.

TITLE TEST INSTRUCTION FOR LOAD RATES AND LOAD SET LIMITS

CONT ON SHEET

P3K-AL-0356-A01

SH NO.

FIRST MADE FOR

MK II

TEST INSTRUCTIONS

1L3-C001

Assembly . Schematic 117D7728

117D7724

PROCEDURE:

A. Refer to P3K-AL-0494-A02 for test circuits, equipment list, and set up instructions.

- Table A provides the step by step procedure to follow in testing this circuit.
- Table B provides a step by step description of input voltages (to use as a troubleshooting aid).

PRINTS TO

10ºMbne REISSUED

Oct. 28, 1974

APPROVALS

Steam Turbine Schenectady

DIV OR

P3K-AL-0356-A01

LOCATION CONT ON SHEET 4

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GENERAL (%) ELECTRIC P3K-AL-0356-A01 CONT ON SHEET 5 SH NO. TITLE TEST INSTRUCTION FOR LOAD RATES P3K-AL-0356-A01 AND LOAD SET LIMITS CONT ON SHEET 5 SH NO. FIRST MADE FOR REVISIONS ACTION VOLTAGE AT PINS 325 12 14 6. 7 9 | 10 11 00 STEP 1 INIT COND 5 å. STEP 2 APP P 38 Ø STEP 3 APP P 17 A STEP 4 APP P 20 Α STEP 5 APP P 26 STEP 6 APP P 16 Ø Α Ø. STEP 7 REM P 16 Α Ø STEP 8 APP P 19 Α STEP 9 APP P 18 STEP 10 REM P 18 Ø STEP 11 REM P 19 Α Ø STEP 12 APP P 21 STEP 13 REM P 21 STEP 14 APP P 22 Α Ø STEP 15 REM P 22 · STEP 16 APP P 23 Α STEP 17 REM P 23 Α STEP 18 APP P 24 Ø STEP 19 REM P 24 STEP 20 APP P 25 Α STEP 21 REM P 25 STEP 22 REM P 26 A Α STEP 23 REM P 20 A STEP 24 REM P 17 STEP 25 REM P 38 PRINTS TO APPROVALS D.Mone Oct. 28, 1974 Turbine DIV OR P3K-AL-0356-A01 Schenectady sh no. 4

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PP-603-WA (8-74) PMINTOD IN U.S.A.

CODE IDENT NO.

LOCATION CONT ON SHEET

GENERAL (%) ELECTRIC P3K-AL-0356-A01 CONT ON SHEET 6 SH NO. 5 TITLE TEST INSTRUCTION FOR LOAD RATES AND P3K-AL-0356-A01 LOAD SET LIMITS MK II CONT ON SHEET 6 SH NO. 5 FIRST MADE FOR REVISIONS ACTION INPUT AT PINS 16 17 18 19 20 21 22 23 24 25 STEP 1 STEP 2 APP P 38 X STEP 3 APP P 17 STEP 4 APP P 20 X X STEP 5 APP P 26 Х X STEP 6 APP P 16 X Х X STEP 7 REM P 16 X X STEP 8 APP P 19 X X X STEP 9 APP P 18 X X X X STEP 10 REM P 18 Х X X STEP 11 REM P 19 X X STEP 12 APP P 21 Х X X STEP 13 REM P 21 Χ X STEP 14 APP P 22 X X X STEP 15 REM P 22 X X STEP 16 APP P 23 . X X X STEP 17 REM P 23 X Х STEP 18 APP P 24 Χ Χ X STEP 19 REM P 24 X X STEP 20 REM P 25 X X X STEP 21 REM P 25 X X STEP 22 REM P 26 Х STEP 23 REM P 20 X STEP 24 REM P 17 STEP 25 REM P 38 PRINTS TO MDE Mone Oct. 28, 1974 APPROVALS Turbine DIV OR P3K-AL-0356-A01 RE ISSUED Schenectady LOCATION CONT ON SHEET 6 SH NO. 5

FP-BO3-WA (8-74)

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CODE IDENT NO.

P3K-AL-0356-A01 CONT ON SHEET 7 SH NO. 6 REV NO. TITLE TEST INSTRUCTION FOR LOAD RATES P3K-AL-0356-A01 AND LOAD SET LIMITS CONT ON SHEET 7 вн но. 6 FIRST MADE FOR MK II REVISIONS INPUT AT PINS ACTION 10.7G 38 26 00 STEP 1 5 S. STEP 2 APP P 38 Χ. STEP 3 APP P 17 X STEP 4 APP P 20 X STEP 5 APP P 26 X X X X STEP 6 APP P 16 X X STEP 7 REM P 16 X STEP 8 APP P 19 X STEP 9 APP P 18 X X STEP 10 REM P 18 X X STEP 11 REM P 19 X X Χ STEP 12 APP P 21 X STEP 13 REM P 21 Χ X STEP 14 APP P 22 X X STEP 15 REM P 22 Χ X STEP 16 APP P 23 X X Х STEP 17 REM P 23 X Χ STEP 18 APP P 24 X STEP 19 REM P 24 X Х STEP 20 APP P 25 Х X STEP 21 REM P 25 X X STEP 22 REM P 26 Х STEP 23 REM P 20 X STEP 24 REM P 17 X STEP 25 REM P 38 PRINTS TO APPROVALS D.Mone Oct. 28, 1974 Turbine DIV OR P3K-AL-0356-A01 RE ISSUED Schenectady LOCATION CONT ON SHEET 7 SH NO. 6

PP-803-WA (8-74)

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