

REV NO. 0  
P3K-AL-0377-A01  
CONT ON SHEET 2 SH NO. 1

TITLE  
TEST INSTRUCTIONS FOR LAMP TEST CIRCUIT BOARD 11M2-L001  
(ASS'Y DRAWING 118D1577 G-1)  
FIRST MADE FOR EHC MARK II

CIRCUIT BOARD REVISION 1

REVISIONS

# I. CIRCUIT DESCRIPTION

The board contains twelve 24 VDC relays. Ten of these are arranged in three groups. When a group is energized, a 24 VDC Lamp Test signal appears on a corresponding set of terminals, unless one or both of relays K11, K12 are energized. The board provides also 24 VDC and fused 24V common for the EHC Indicating Lamp Circuits.

## II. CIRCUIT SPECIFICATIONS

### 1. Permanent Continuity

Each terminal in the following groups of terminals must show permanent continuity with all other terminals of the same group.

- (TB1), 1, 4, 7, (TB2) 9, 15, 17, (TB7) 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92
- (TB2) 10, ~~11~~ *118D 5/12/97*
- (TB2) 13, 18
- (TB2) 14, 16
- (TB5) 49, 50, 51, 52, 53, 54, 55 *BY LC DATE 7/11/97*
- (TB5) 56, 57, 58, 59, 60, 61, 62, 63, 64
- (TB6) 65, 66, 67, 68
- (TB6) 70, 71, 72, 73, 74, 75, 76

### 2. Fused Continuity

The two terminals in the following pairs are connected together when the corresponding fuse is in place. Conductive path is interrupted upon removal of the fuse.

- Terminals TB1-2, TB5-49 Fuse FS1
- Terminals TB1-2, TB5-56 Fuse FS2
- Terminals TB1-2, TB6-65 Fuse FS3
- Terminals TB1-2, TB6-69 Fuse FS4
- Terminals TB1-2, TB6-70 Fuse FS5

### 3. Contact Continuity

The logic on the board should conform with the following table.  
(24 VDC should be connected to TB1-1 and ground to TB1-2).

273-2

273-12

273-71

273-13

273-22

273-22

PRINTS T

MADE BY  
J. Polacek Sept. 16, 1977  
ISSUED *Sept 16, 1977*

APPROVALS

Steam Turbine

DIV OR  
DEPT.

P3K-AL-0377-A01

Schenectady, N.Y.

LOCATION

CONT ON SHEET

2 SH NO. 1

REV NO. 0

TITLE

P3K-AL-0377-A01

TEST INSTRUCTIONS FOR LAMP TEST CIRCUIT BOARD 1TM2-L001  
(ASS'Y DRAWING 118D1577 G-1)

CONT ON SHEET 3 SH NO. 2

FIRST MADE FOR EHC MARK II

INPUTS AT TERMINALS					CORRECT OUTPUTS AT TERMINALS																			
TB1		TB2			TB1		TB3																TB4	
3	6	10	14	13	5	8	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	48
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0													

REV NO. 0

TEST INSTRUCTIONS FOR LAMP TEST CIRCUIT BOARD 1TM2-L001  
(ASS'Y DRAWING 118D1577 G-1)

CONT ON SHEET 4 SH NO. 3

FIRST MADE FOR EHC MARK II

INPUTS AT TERMINALS					CORRECT OUTPUTS AT TERMINALS														
TB1		TB2			TB1	TB3	TB4												
3	6	10	14	13	5	8	21 - 36	37	38	39	40	41	42	43	44	45	46	47	48
0	0	0	0	0	0	0	ALL ZERO <div>35 30 1 1</div>	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0		1	1	1	1	1	1	1	1	1	1	1	1
1	0	0	1	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0		1	1	1	1	1	1	1	1	1	1	1	1
0	1	0	1	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	1		0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0		0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0		0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	1	0	0		0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	1	0		0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0

1: 24V

0: 0 V

PRINTS T

REVISIONS

MADE BY  
J. Polacek Sept. 16, 1977

ISSUED *Sept 16, 1937*

### APPROVALS

## Steam Turbine

Schenectady, N.Y.

DIV OR  
DEPT.

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LOCATION	CONT ON SHEET	4	SH NO.	3
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CODE IDENT.

REV  
NO. 0

TITLE

CONT ON SHEET

SH NO. 4

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SH NO. 4

TEST INSTRUCTIONS FOR LAMP TEST CIRCUIT BOARD 1TM2-L001  
(ASS'Y DRAWING 118D1577 G-1)

FIRST MADE FOR EHC MARK II

REVISIONS

PREPARED BY

*D. Economou*

DATE

*8/17/1973*

D. Economou

EHC DESIGN ENGINEERING

APPROVED BY

*P.C. Callan*

DATE

*9-6-77*

P.C. Callan - MANAGER

EHC DESIGN ENGINEERING

TEST PROCEDURE

REVIEWED BY

*R. Debertolis*

DATE

*9/1/77*

R. Debertolis

EHC TEST ENGINEER

PRINTS TO

MADE BY

J. Polacek Sept. 16, 1977

APPROVALS

Steam Turbine

DIV OR  
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P3K-AL-0377-A01

ISSUED

*Sept 16, 1977*

Schenectady, N.Y.

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