

REV. NO. 1	TITLE
P3K-AL-0388-A01	TEST INSTRUCTIONS FOR CUSTOMER TRIP STATION BATTERY CIRCUIT BOARD 1TM2-C001
CONT ON SHEET 2 SH NO. 1	FIRST MADE FOR EHC MARK II (ASS'y DRAWING 117D9156 G1)

CIRCUIT BOARD REV. #2

REVISIONS

## I. CIRCUIT DESCRIPTION

This board contains three 125V relays whose contacts are arranged in a two out of three logic scheme.

II. With 125 VDC connected to pin 11, 125 VDC ground connected at pin 1 and 24 VDC connected at pin 10 the board should comply with the following table:

*"MB 8-1583 for table below to be correct!"*

INPUTS AT PINS CORRECT OUTPUTS AT PINS OR T POINTS

2	3	4	9	10	6	7	8	TP1	TP2
0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	1*	0	0	1*	0
0	1	0	0	0	0	1*	0	1*	1*
0	0	1	0	0	0	0	1*	0	0
0	1	1	1*	1*	0	1*	1*	1*	1*
1	0	1	1*	1*	1*	0	1*	1*	1*
1	1	0	1*	1*	1*	1*	0	1*	1*
1	1	1	1*	1*	1*	1*	1*	1*	1*

1: 125 VDC

1\*: 24 VDC

2: 0V DC

ACTIVE	FOR _____
BY _____	DATE _____

ET-273

273-2

273-11

273-138

273-7

PRINTS TO

MADE BY D. Mone Jan. 15, 1975	APPROVALS	Steam Turbine	DIV OR DEPT.	P3K-AL-0388-A01
ISSUED JAN 15 1975		Schenectady, N.Y.	LOCATION	CONT ON SHEET 2 SH NO. 1

REV  
NO.

TITLE

CONT ON SHEET

3

SH NO. 2

P3K-AL-0388-A01

TEST INSTRUCTIONS FOR CUSTOMER TRIP STATION BATTERY  
CIRCUIT BOARD LTM2-COOL

CONT ON SHEET

3

SH NO.

2

FIRST MADE FOR EHC MKII (assy. dwg. 117D9156 G-1)

REVISION

TEST INSTRUCTIONS LTM2-COOL

Assembly 117D9156

Schematic 173B6508

PROCEDURE:

1. Connect the circuit under test as described in the setup instructions.
2. Test the logic circuitry using Table A.

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CONT ON SHEET

3

SH NO.

2

REV. NO. 0	TITLE	CONT ON SHEET 4	SH NO. 3
P3K-AL-0388-A01	TEST INSTRUCTIONS FOR CUSTOMER TRIP STATION BATTERY CIRCUIT BOARD 1TM2-C001 FIRST MADE FOR		
CONT ON SHEET 4	SH NO. 3		

SETUP INSTRUCTIONS - FMCC 1TM2-C001

1. The loads to be applied to the circuit under test are +1% tolerance.
2. Unless otherwise specified, all voltage to be applied and to be measured (signified by an "X" on the logic test table) are +24.00 VDC (tolerance +100 MV)
3. This circuit card has 11 pins total with 11 pins in use. The terminal board configuration is 1 - 5 pt. and 1 - 6 pt.
4. Connect pins 1 and 5 to ground.
5.  $V_a = 125$  VDC.

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	Schenectady		

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NO.

TITLE

P3K-AL-0388-A01

TEST INSTRUCTIONS FOR CUSTOMER TRIP STATION BATTERY  
CIRCUIT BOARD 1TM2-COOL

CONT ON SHEET

5

SH NO.

4

FIRST MADE FOR

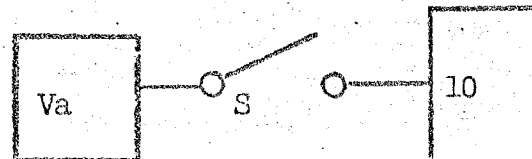
REVISION

INSTRUCTIONS FOR USE OF LOGIC TABLE

A. s 10 Va = set 10 to Va.

Close S to apply Va to Pin 10

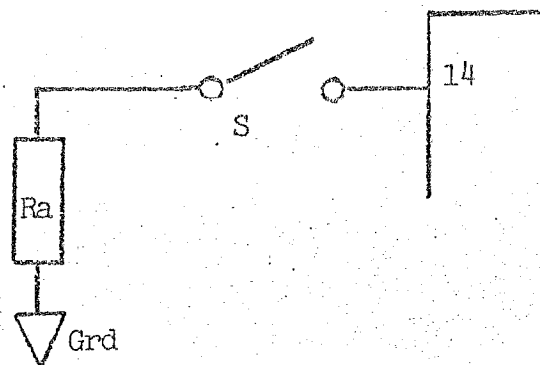
If Va is not specified, assume +24.0 VDC.



B. r 10 Va = reset 10 to Va

open S

C. s 14 Ra = set 14 to Ra



Close S to apply load Ra to Pin 14.

D. An "X" in the logic table indicates a voltage measurement of +24.00VDC. A letter (ie "C") in the logic table indicates a voltage measurement, the voltage being equal to that specified by the subscript letter (ie "Vc"). A blank space indicates a 0 VDC measurement.

E. The voltage at all pins and all test points will be measured at each step of the logic table.

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CONT ON SHEET

5

SH NO.

4

REV  
NO.

CONT ON SHEET

6

SH NO. 5

P3K-AL-0388-A01

TITLE

TEST INSTRUCTIONS FOR CUSTOMER TRIP STATION BATTERY  
CIRCUIT BOARD 1TM2-C001

CONT ON SHEET

6

SH NO.

5

FIRST MADE FOR

REVIS

PROCEDURE	1	2	3	4	5	6	7	8	9	10	11	TP1	TP2
1 INITIAL CONDITIONS													
2 s 11													
3 s 2 Va													
4 r 2 Va													
5 s 3 Va													
6 r 3 Va													
7 s 4 Va													
8 s 3 Va													
9 r 3 Va													
10 s 2 Va													
11 r 4 Va													
12 s 3 Va													
13 r 2 Va													
14 r 3 Va													
15 r 11													
16 End of Test													

MADE BY

D. Mone Jan. 15, 1975

APPROVALS

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P3K-AL-0388-A01

ISSUED

JAN 15 1975

Schenectady

LOCATION

CONT ON SHEET

6

SH NO.

5

REV. NO. 0	TITLE	CONT ON SHEET -	SH NO. 6
P3K-AL-0388-A01	TEST INSTRUCTIONS FOR CUSTOMER TRIP STATION BATTERY CIRCUIT BOARD 1TM2-C001		
CONT ON SHEET -	SH NO. 6	FIRST MADE FOR EHC MARK II (ASS'Y DRAWING 117D9156 G1)	

REVISIONS

PREPARED BY D. Economou DATE 2/20/74

D. Economou  
EHC DESIGN ENGINEERING

APPROVED BY P.C. Callan DATE 1-13-75

P.C. Callan - MANAGER  
EHC DESIGN ENGINEERING

TEST PROCEDURE  
PREPARED BY C. Bugg DATE 1-13-75

C. Bugg  
EHC DESIGN ENGINEERING

TEST PROCEDURE  
APPROVED BY D. Economou DATE 1-7-1975

D. Economou  
EHC DESIGN ENGINEERING

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		CONT ON SHEET -	SH NO. 6	