EHC MARK II

P3K-AL-0341-AUL CONT ON SHEET TITLE SH NO. 1 CIRCUIT BOARD TEST SPECIFICATION P3K-AL-0341-A01 AUXILIARY RELAY BOARD 24V - 117D7328

Refer to the drawing to see that

SH NO.

CONT ON SHEET

REVISION.

The relays coils all use 24 VDC.

FIRST MADE FOR

- The common of eight relays is connected to one input terminal.
- The case ground of eight relays is connected to one input terminal. 3.
- The high side of each relay coil goes to a separate input terminal. 4.
- Each relay has two form C sets of output contacts -- all are independently connected to output terminals.
- There are no interconnections on the card except the coil 6. commons and the case grounds of each group of eight relays.
- There are no time delay relays,

The relay specifications are in the "U" sheets.

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THE PERSON NAMED IN	57	Net ers	*MR.SASS	na san o	s or emission	TO A PLANT CON	List.	i kan	mustyantoore sunamoneumsteorumsobantom (millesik)

AFPROVALS DIV OR Steam Turbine P3K-AI-03611-44 Seasonetady, N.Y.

10 (875 A.); (4.5); F. (504D) (4.0) A.

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NO.		TITLE		CONT ON SHEET 3 SHIND, 2					
P3:	K-AL-0341-A01		CIRCUIT BOARD TEST SPECIFICATION Auxiliary Relay Board 24V117D7328						
CONT ON	SHEET 3 SH NO.	2 FIRST	MADE FOR						
the rel ene	plus applied lays pick up an	(app) and r id drop out A zero (0)	ower source connected to the C/cemoved (rom) alternately to call as shown in the chart. A one (indicates a de-energized relay clarity.	l certificate, the 1) indicates an					
1.	TB 7- 97 app	K1 K2 K3 K	4 K5 K6 K7 K8 K9 K10 K11 K12 K1	3 K14 K15 K16					
2.	TB 7- 98 app	1							
3.	rem TB 7- 99 app	1							
4.	TR 7-100 app	1							
5.	TE 8-105 app rem		1						
6.	TB 8-104 app rem		1 .						
7. 8.	TB 8-103 app rem TB 8-102 app		1						
	rem			·					
9.	TB10 115 app		1						
10.	TB10-114 app rem		1						
11.	TB10-113 app rem		1						
12. 13.	TB10-112 app rem TB 9-107 app	·	1						
14.	rem = TB 9-10% app =		,	1					
15.	rem TB 9-109 app			1					
16.	rem TB 9-110 app			1.					
	rem								
	e district			PRIN					
ilone Lone	Jan. 15, 1975	5	Steam Turbing Div C	P3X-AL-0341-A01					
SUED				THE CONT ON SHEET 3 SHIPS. 2					

P3K-AL-0341-A01

CONT ON SHEET

P3K-AL-0341-A01

TITLE

CIRCUIT BOARD TEST SPECIFICATION Auxiliary Relay Board 24V - 117D7328

CONT ON SHEET

sh No. 3

FIRST MADE FOR

REVISIO

TEST INSTRUCTIONS 1PC2-AOOX

Assembly 117D7328

Schematic 117D7319

PROCEDURE:

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

P3K-AL-0341-171

APPROYALS

Steam Photon

DIV OR _ DEPT.

GEHERAL (%) ELECTRIC P3K-AL-0341-A01 CONT ON SHEFT TITLE CIRCUIT BOARD TEST SPECIFICATION P3K-AL-0341-A01 Auxiliary Relay Board 24V - 117D7328 5 sh No. FIRST MADE FOR CONT ON SHEET REVISIO SETUP INSTRUCTIONS - FMCC 1FC2--AOOX The loads to be applied to the circuit under test are +1% tolerance. Unless otherwise specified, all voltage to be applied and to be measured is +24.00VDC (tolerance +100 MV)

- This circuit card has 116 pins total with 116 pin in use. The terminal board configuration is 6 - 16 pt. and 4 - 5 pt.
- 4. Connect pins 101, 106, 111 and 116 to ground.

AMPROVALS Jan. 15. P3K-AL-0341-201 L DEPT.

TITLE

P3K-AL-0341-A01

SH NO.

CONT ON SHEET

7-

CIRCUIT BOARD TEST SPECIFICATION Auxiliary Relay Board 24V - 117D7328

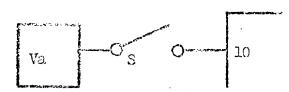
FIRST MADE FOR

REVIS

INSTRUCTIONS FOR USE OF LOGIC TAPLE

s 10 Va = set 10 to Va.

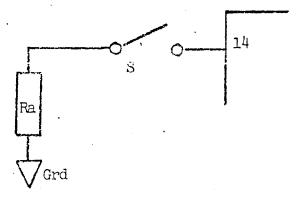
Close S to apply Va to Pin 10 If Va is not specified, assume +24.0 VDC.



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.

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

AFPROVALS DIY OR D. Mone P3K-AL-0341-A01 _ DEPT. ISSUED LOCATION CONT ON SHEET

D. Hone Jan. 15, 1975

DIV GR

P314-AD-0341-11

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DIV OR

PBK-AL-03/12-4 11

ECCATION CONT ON SHEET

GERERAL (6) ELECTRIC P3K-AL-0341-A01 CONT ON SHEET 10 FS. (*) TITLE P3K-AL-0341-A01 CIRCUIT BOARD TEST SPECIFICATION Auxiliary Relay Board 24V - 117D7328 10 sn no. 9 CONT ON SHEET FIRST MADE FOR REVIS 114 113 AT 91 79 ADC M 56 23 27 75 30 39 78 33 32 54 56 25 56 74 6 32 31 114 74 56 62 -33 8 드 02 Ø m. (2) Ø 52 PRINT Jan. 15, 1975 APPROVALS Stephen St. mindays Oly CP U. Mone P37-A7-0341-A01 ISSUED LOCATION CONT ON SHEEL

T3#. 4.4-0341- NO1 13.() CON F4 11 T33NS NO THUS TITLE CIRCUIT BOARD TEST SPECIFICATION P3K-AL-0341-A01 Auxiliary Relay Board 24V CONT ON SHEET 11 SH NO. 10 FIRST MADE FOR 4-REV: 4-P.INS AT 24VDC \mathcal{L} :3 50 ;; ;; = :2 ;---, tr: :: PRAT APPROVALS D. Mone Jac. 15, 1975 Storm Partition Oly OR 2317-117-03-11-A12 WICATION CLAY CHERRET PR 203 WA 15 741 PARTED IN U.S.A.

COME ON SHOE TITLE CLRCUIT BOARD TEST SPECIFICATION P3K-AL-0341-A01 Auxiliary Relay Board 24V CONT ON SHEET 1.2sm. ma. FIRST MADE FOR 11 REVIS 4.. PIMS: 90 12 5 83 92 35 46 300 42 90 45 45 45 93 48 41 89 474 25 917 147 95 108 108 109 P 109 011 117 68 ---26 95 11.3 57 ₹Q :: ٤٦ =MADE BY APPHOVALS D. More Jan. 15, 1975 DIY CH \$1311-AT-16-11-16-1 ISSUEG

CONT ON SHEET TITLE CIRCUIT ECARD TEST SPECIFICATION P3K-AL-0341-A01 Auxiliary Relay Board 24V 13 _{SH NO.} 12 FIRST MADE FOR CONT ON SHEET REVIS * PINS: VTDC AT But of Test 9 PRINT 0. Zone Jan. 15, 1975 APPHOVALL RO VIO F3K-M-0541-601 Cocan unicont on sacci PINOS WAYS THE PLANSE IN U.S.A.

REV.	TITLE		-	COM) ON SHEET	
P3K-AL-0341-		CIRCUIT BOARD IES Auxiliary Relay I	ST SPECIFICAT	'TON	\$4 NO.
CONT ON SHEET -	SH NO. 13 FIRST N	ADE FOR			
					RE
PREPARED BY:	George W. Kessl EHC DESIGN ENGI	er	DATE:	16/73	
	÷				
APPROVED BY:	P.C. Callan - MM EHC DESIGN ENGIN	ANAGER VEERING	DATE:/	-13-75	
TEST PROCEDURE PREPARED BY:	C. Bugg EHC TEST ENGINEE	R	DATE:	1 /23 /04	
TEST PROGEDURE APPROVED BY:	George W./ Kessler	Kaled	DATE:	16/25	
	EHC DESIGN ENGINE	EERJNG			
urey Cone Jan. 15, 1	975 APPROVILS	Steam Turbine	DIV OR	P38AL-0341-A71	PRUTS
	1 27/2	Schoncetady, N	· Y LOCATION	ACTIVE CONTRACTOR OF THE CONTR	. 200
P.003-54A (11-72) CNJED IN U.0.4		A .		5)	0005 (ng)