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CONT ON SHEET 4 SH NO. 3 TITLE TEST INSTRUCTIONS FOR PLANT COMMUNICATIONS LOGIC (REMOTE AUTO CONTROL INTERFACE) P3K-AL-0362-A01 FIRST MADE FOR EHC MARK II (PLANT COMMUNICATIONS) CONT ON SHEET REVISIONS CIRCUIT SPECIFICATIONS (continued) III. 4. (continued) CONTINUITY (continued): Terminals 45 to 47 to 49 to 51 to 53 to 55 to 57 to 59 to 62 to 80 OPEN CIRCUIT: Terminals 1 to 6 1 to 21 1 to 27 1 to 28 1 to 29 1 to 30 1 to 31 1 to 32 1 to 33 5 to 6 1.1. to 1.3 16 to 18 63 to 70 63 to 74 63 to 78 64 to 68 64 to 72 64 to 76 65 to 69 65 to 73 65 to 77 66 to 67 66 to 71 66 to 75 All relays have case grounds that are connected to terminal 15. (Apply +24 VDC to terminal 1) and +24 VDC common to terminal 2) and . +125 VDC to terminal 37 and +125 VDC common to terminal 38) for all steps in the Logic Testing Table except step 1 and beginning step 31. + PRINTS TO APPROVALS MADE BY Steam Turbine DIV OR D.Mone Jan. 16, 1975 P3K-AL-0362-A01 JAN 16 1975 Schenectady, N.Y. LOCATION CONT ON SHEET

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P3K-AL-0362-A01

CONT ON SHEET

TITLE REV (S) P3K-AL-0362-A01

SH NO. 4

CONT ON SHEET

TEST INSTRUCTIONS FOR PLANT COMMUNICATIONS LOGIC (REMOTE AUTO CONTROL INTERFACE)

FIRST MADE FOR

EHC MARK II (PLANT COMMUNICATIONS)

REVISIONS

REMOTE AUTO CONTROL INTERFACE LOGIC TESTING TABLE

(TEST IN SEQUENCE SHOWN)

	and the control of th	POWI INPI				····· T	ІІМР	ERS		POWER						-€-L	AMPS	3			
			סננ				OIL	41.00									.		ď		
No.	FUNCTION UNDER	Rated Speed not Sel	System reset	Lamp Test		Disconnect sw. open	#1 breaker open	#2 breaker	RSM mode se		Permission to RSM	C O	Keset and ckt. bkr	No customer control power		#1 ckt. bkr. open	#1 ckt. bkr. closed	#2 ckt. bkr. open	#2 ckt. bkr. closed		
Step	TEST	10	1.1.	14			41 42	43	53 54		5	6	13	20		23	24	25	26	(137)]
	All power off	0	0	0	and controller for the	0	0	0	0		0	0	0	0		0	0	0	0	NEXT PA	
2	Disconnect sw. open	1				J						1		35° 1						ON NE	
3	System Reset		1				6						1								
4	Lamp Test			1												1	1	1	1	CONTINUED	
5	Disconnect sw. closed, ckt. bkrs. open			0		0	J	J				! !		ļ			0		0	TABLE C	-
6	RSM selected	1		C		0	2	5	J	X	0	1		0	-	1	0	1	0	(TAE	
7	Rated Speed selected	0									1			0							Appendix year from \$10.00 min \$100 miles
8.	#1 ckt. bkr. closed						0		0		0	Q	0		-	0	$\frac{1}{1}$				
9	#2 ckt. bkr. closed				-		J	0						-		1	0	0	1		and the second s
10	Both ckt, bkrs. closed						0									0	11.	<u>.</u>			
	During the above	tes	ts	the	re	sho	uld	be	no 10	po and	wer	OI	an; ed	y o to	the nex	er t	erm est	ina •	1s.		,

Leave the circuit powered as in Step #10 and proceed to next test.

Steam Turbine_

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P3K-AL-0362-A01 Schenectady, New York CCATION CONT ON SHEET

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CODE IDENT NO.

PRINTS TO

GENERAL (S) ELECTRIC P3K-AL-0362-A01 CONT ON SHEET 6 SH NO. 5 TITLE TEST INSTRUCTIONS FOR PLANT COMMUNICATIONS LOGIC (REMOTE AUTO CONTROL INTERFACE) P3K-AL-0362-A01 FIRST MADE FOR EHC MARK II (PLANT COMMUNICATIONS) CONT ON SHEET REVISIONS TEST POINTS TP55 <u>50 51 52 53 54 55 56 57</u> 1 0 0 0 0 0 0 0 0. 2 3 CONTINUED 4 5 1 1 1 1. (TABLE 6 1-1 7 8 0 0 0 0 1 1 1 1 0 0 1 9 10 0 0 0 + PRINTS TO D. Mone APPROVALS DIV OR Jan. 16, 1975 P3K-AL-0362-A01 JAN I 0 1975 ISSUED Schenectady, N.Y. LOCATION CONT ON SHEET SH NO. CODE IDENT NO. FF-803-WA (11-72) PRINTED IN U.S.A.

P3K-AL-0362-A01

CONT ON SHEET

REV (S) TITLE TEST INSTRUCTIONS FOR PLANT COMMUNICATIONS LOGIC (REMOTE AUTO CONTROL INTERFACE) P3K-AL-0362-A01 EHC MARK II (PLANT COMMUNICATIONS) FIRST MADE FOR CONT ON SHEET

REVISIONS

CODE IDENT NO

SH NO.

	RA POWER		-	<u> </u>		JUMI	ER	S			ļ			-POV	VER	gargadida (ar han verdegen de Agentel			
	RA POWER			•						-			. (TUC	PUT	3		prevent	-	V.S. C.
Step No.	FUNCTION UNDER TEST	25 VIC	125 VI)C_common		95 #1 sechack	#2	49	- 学 51	57	57		O RA +125 VDC lost	-	-1		#	Los	increase		en et en
11	Put RA power on	1_	1									0								
12	#1 load setback				J								1							
1:3	#2 load setback				0	J							0	1						
14	#3 load setback					0	J							0	1			-		
15	#4 load setback						0	J		-		ļ			0	1				·
16	Load runback decrease							0	J			-				0	1	-		(Decomposition)
1.7	Load runback increase prevent								0	1	-						0	1	A Continue to Market Strategies	中央4 サカック descusive p プロション・デ ・デー
18	Clear									0								0		emperature de la company
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Leave the ckt.	po	wer	ed	as	in	ste	ep #	18	amd	px	oce	ed	to	nex	t t	est:		PRINT	rs TC

Steam Turbine

Schenectady, N.Y.

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D.Mone Jan. 16, 1975

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P3K-AL-0362-A01

LOCATION CONT ON SHEET 7

GENERAL (%) ELECTRIC P3K-AL-0362-A01 CONT ON SHEET 8 SH NO. 7 TITLE TEST INSTRUCTIONS FOR PLANT COMMUNICATIONS P3K-AL-0362-A01 LOGIC (REMOTE AUTO CONTROL INTERFACE) FIRST MADE FOR EHC MARK II (PLANT COMMUNICATIONS) CONT ON SHEET REVISIONS POWER 115VAC ← INPUTS* BETWEEN terminals TERMINALS decrease between permission permission GO MANUAL increase decrease increase decrease increase decrease AC power Set 115VAC AC FUNCTION Load RSM RSM 8 RA UNDER TEST RA RA Step 55 63 67 71 72 68 75 76 63 63 68 72 56 68 69 72 73 17 18 19 64 76 77 65 66 70 74 16 119 1115 VAC power on 1 20 RSM permission 1 1 21 RSM increase J 1

22 RSM decrease 0 J 1 0 23 RA permission 0 1 0 0 1 24 RA increase J 1 25 RA decrease 0 J J. 0 26 RA GO MANUAL J 0 1 0 27 RO permission 0 1 0 0 0 28 RO increase J 1 29 RO decrease 0 .D 0 1 30 Clear 0 0 0 Leave +125 VDC power on terminals $37\ \&\ 38$ and proceed to next step. PRINTS TO MADE BY APPROVALS DIV OR Jan. 16. 1975 Steam Turbine

Schenectady, N.Y.

PP-803-WA (11-72) FRINTED IN U.S.A.

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CODE FOUNT NO.

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P3K-AL-0362-A01

LOCATION CONT ON SHEET

GENERAL (%) ELECTRIC P3K-AL-0362-A01 CONT ON SHEET Q SH NO. 8 TITLE TEST INSTRUCTIONS FOR PLANT COMMUNICATIONS P3K-AL-0362-A01 LOGIC (REMOTE AUTO CONTROL INTERFACE) EHC MARK II (PLANT COMMUNICATIONS) su No. 8 FIRST MADE FOR CONT ON SHEET REVISIONS POWER POWER INPUTS OUTPUTS Jumpers ↓ Test SPL VDC C; VDC Inc. SPL SPL FUNCTION 24 UNDER TEST 79 80 2 21 80 81 22 34 36 33 53 1 +24 VDC Power Off 0 0 0 0 0 0 0 0 0 0 32 +24 VDC Power On 1 124 VDC from RO Inc. 1 1 0 1 等时 Remove RO Inc. 0 0 35 Remove power 0 0 36 Reapply Power 1 37 +24 VDC from RO Dec. 1 1. 1 Remove RO Dec. 0 0 39 SPL Inc. J 1 40 SPL Dec. 0 0 1 41 SPL Clear 0 0 42 Remove power 0 Reapply Power 1 Clear PRINTS TO D.Mone Jan. 16, 1975 APPROVALS DIV OR Steam Turbine P3K-AL-0362-A01 JAN 16 1975 Schenectady, N.Y.

FF-803-WA (4-73) PRINTED IN U.S.A. LOCATION CONT ON SHEET 9 SH NO. 8

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CODE IDENT

BEHEHAL (13) ELEVIHIL P3K-AL~0362-AOI-CONT ON SHEET 11 SH NO. 10 TITLE TEST INSTRUCTIONS FOR PLANT COMMUNICATIONS LOGIC (Remote Auto Control Interface) P3K-AL-0362-A01 sн но. 10 FIRST MADE FOR CONT ON SHEET 11 REVIS TABLE A 112 5 σ. 2 > at PROCEDURE Switches Down +24 54 Check for at TP51 for 52, down 53 35 gn 8 $\frac{1}{2}$ \vec{z} 덨 + D. Mone Jan. 16, 1975 APPROVALS P3K-AL-0362-A01 DIV OR Steam Turbine JAN 10 1975 Schenectady CONT ON SHEET 11 LOCATION

D. Mone Jan. 16,1975

APPROVALS

<u>Steam Turbine</u> Schenectady DIV OR __ DEPT.

P3K-AL-0362-A01

LOCATION CONT ON SHEET

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PRINTS

P3K-AL-0362-AOT CONT ON SHEET 14 TEST INSTRUCTIONS FOR PLANT COMMUNICATIONS P3K-AL-0362-A01 LOGIC (Remote Auto Control Interface) 13 FIRST MADE FOR SH NO. CONT ON SHEET REVIS: TABLE B Down Switches 75 얺 D. Mone Jan. 16, 1975 APPROVALS P3K-AL-0362-A01 Steam Turbine Schemoctoriy

GENERAL (36) ELECTRIC P3K-AL-0362-AO1-CONT ON SHEET 15 TITLE SH NO. 14 TEST INSTRUCTIONS FOR PLANT COMMUNICATIONS P3K-AL-0362-A01 LOGIC (Remote Auto Control Interface) 15 sh No. 14 FIRST MADE FOR REVIS. TABLE B PROCEDURE +. down Σ +, D.Mone Jan. 16,1975 APPROVALS Steam Turbine anv on Deer P3K-AL-0362-A01 Scheneotarly: LOT ATION COME ON SHEET 15 SHEET 14

GENERAL & ELECTRIC

P3K-AL-0362-AOL

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16 CONT ON SHEET TEST INSTRUCTIONS FOR PLANT COMMUNICATIONS LOGIC (Remote Auto Control Interface) P3K-AL-0362-AOL sн но. 15 FIRST MADE FOR 16

Refer to Figure C for test circuit.

CONT ON SHEET

Test the relay logic for section 3 according to Table C.

DIV OR APPROVALS D.Mone P3K-AL-0362-A01 Steam Turbire 16, 1975 JAN 15 1975 LOCATION CONT ON SHEET Schenectudy

AFILTINE GO FFFFIUE P3K-AL-0362-A01 CONT ON SHEET 17 TITLE TEST INSTRUCTIONS FOR PLANT COMMUNICATIONS P3K-AL-0362-A01 LOGIC (Remote Auto Control Interface) 17 sm No. 16 FIRST MADE FOR TABLE C REVIS 8 PROCEDURE Switches Down 5 210 82 83 S3, down S10 down down down down down S3 down ď SIO 82 23 83 + D.Mone Jan. 16, 1975 APPROVALS Steam Turbine DIV CR P3K-AL-0362-A01 JAN 16 1975 Schenectudy LOCATION CONT ON SHEET 17

P3K-AL-0362-AUL CONT ON SHEET 18 TITLE TEST INSTRUCTIONS FOR PLANT COMMUNICATIONS P3K-AL-0362-A01 LOGIC (Remote Auto Control Interface) 18 sm No. 17 FIRST MADE FOR CONT ON SHEET TABLE C REVI 5 8 13 32 日 PROCEDURE dn g 83 Check for at TF53 S10 down down down down down down down dn g 38 8 S 36 98 ဌ 75 S3 57 S $\frac{6}{2}$ ω (1 30 띥 O) + APPPOVALS DIV OR D.Mone Jan 16, 1975 Same JAN 16 1973 P3K-AL-0362-A01 Steam Turbing LOCATION CONT ON SHEET 18 Commentativ -.42) 64 (1-72) (51) ED 14 (1-5) 6.

GENERAL & ELECTRIC P3K-AL-0362-A01 CORT ON SHEET 19 sн но. 18 REY O TITLE TEST INSTRUCTIONS FOR PLANT COMMUNICATIONS P3K-AL-0362-A01 LOGIC (Remote Auto Control Interface) sh No. 18 FIRST MADE FOR CONT ON SHEET 19 -REVIS: TABLE C. 122 122 L20 [L21 1119 118 77 XXXXXXX 4. COMPTANED FROM PREVEOUS PAGE HADE BY APPROYALS D. Mone Jan. 16, 1975 Steam Turbine ow or P3K-AL-0362-A01 JAN 15 1975 Schorootady LOCATION CONT ON SHEET





