GENERAL % ELECTRIC

P3K-AL-0389-A01

REVISIONS

REV (CONT ON SHEET TITLE TEST INSTRUCTIONS FOR BACKUP OVERSPEED TRIP TEST CIRCUIT P3K-AL-0389-A01 BOARD 1TM2-D001 FIRST MADE FOR EHC MARK II (ASS'Y DRAWING 117D9946 G1) CONT ON SHEET sh no. 1

CIRCUIT DESCRIPTION

CIRCUIT BOARD REV. 1

This circuit performs the operations necessary for the testing of the backup overspeed trip system.

The board contains 6 latching and 3 nonlatching 24 VDC relays.

CIRCUIT SPECIFICATIONS II.

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The circuit consists of three identical interconnected parts; thus to specify its logic function it is sufficient to compile a truth table for one of these parts and apply it to all three, in three series of tests.

Table I gives for each test series the actual pin numbers that correspond to the "given pin names". These are simply the headings of Table II, which specifies the logic function of the circuit.

During the tests 24 VDC should be connected to pin 38 and 24 VDC ground to pin 40. In Table II 1 means 24 VDC and 0 means OV.

•	Γ	ŀ	Į.	В	L	Ε	Ι

	A	KL1*1 25	KL2-115	KL3-424	anticollères un annicales
	В	KL4*4 21	KL5-1 22	KL6-114	
	C	32	2	28	
-	D	4	36	5	
	E	16	27	26	
	F	18	20	17	
	G	27	26	16	
	H	20	17	18	273-
	I	26	16	27	273-
	J	17	18	20	 273- 273-
	K	RESET 19	19	19	273-
					273-

Steam Turbine

Schenectady, N.Y.

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LOCATION CONT ON SHEET

P3K-AL-0389-A01

CODE IDENT NO.

sh No. 1

P3K-AL-0389-A01

REVISIONS

CONT ON SHEET TEST INSTRUCTIONS FOR BACKUP OVERSPEED TRIP TEST CIRCUIT

P3K-AL-0389-A01

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FIRST MADE FOR

BOARD 1TM2-DO01

TITLE

EHC MARK II (ASS'Y DRAWING 117D9946 G1)

II. CIRCUIT SPECIFICATIONS (continued)

sh No. 2

TABLE II

	INP	UTS	AT P	INS					CORRE	CT OUT	PUTS A	T PIN	S
	A	В	E	G	I	K			C	D	F	Н	J
	0	0	0	0	0	0			0	0	0	0	0
	1	0	0	0	0	0		*	1	0	0	0	0
	0	0	0	0	0	0			1	0	0	0	0
	0	0	0	1	1	0 .			1	0	0	0	0
	0	0	0	0	0	0			1	. 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
6	0	1	0	0	0	0			0	1	0	0	0
	0	0	0	0	0	0		(Millionespellus)	0	1	0	0	sala radi Marini in Arabida, ar O
	0	0	0	1	1	0			0	1	0	0	0
	0	0	0	0	0	0			0	1	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	1	0	0
	0	0	1	1	1	0			0	0	1	0	0
	0	0	0	0	0	0			0	0	0	0	0 .

The following two items should be checked separately:

- Continuity between pins 9 and 19.
- Appearance of a voltage at pins 32, 4, 2, 36, 28, and 5 when 24 VDC is applied to pin 23. This voltage is 24 VDC at no load, but is dropping when loaded according to the load resistance (68.1 Ohms internal resistance at each pin).

PRINTS TO APPROVALS J. Polacek Sept. 16, 1977 Steam Turbine P3K-AL-0389-A01 ISSUED 1977 Schenectady, N.Y. sн но. 2 LOCATION CONT ON SHEET

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