E. AND

TESTING TIMER FUNCTION ON 114D9423

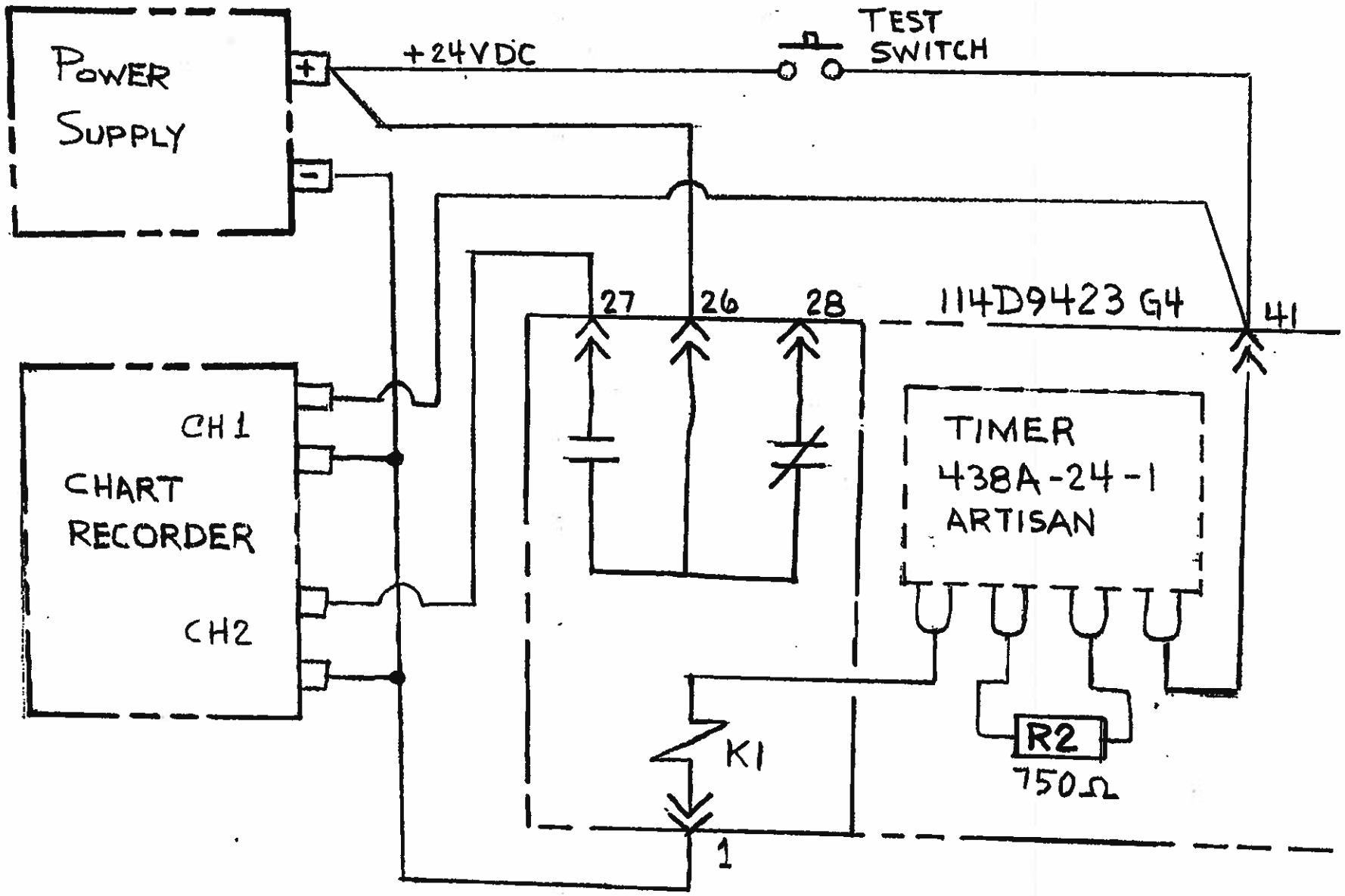
NOTE THAT TIMER FUNCTION PROVIDES DELAY ON PICKUP OF RELAY K1 BY 0.1 SEC (90 TO 110 msec).

1) USE TEST FIXTURE AND JUMPER LEADS TO CONNECT TEST CIRCUIT AS SHOWN IN FIG 1.

2) USE 24VDC POWER SUPPLY & PUSHBUTTON SWITCH TO SIMULATE TRIP SIGNAL.

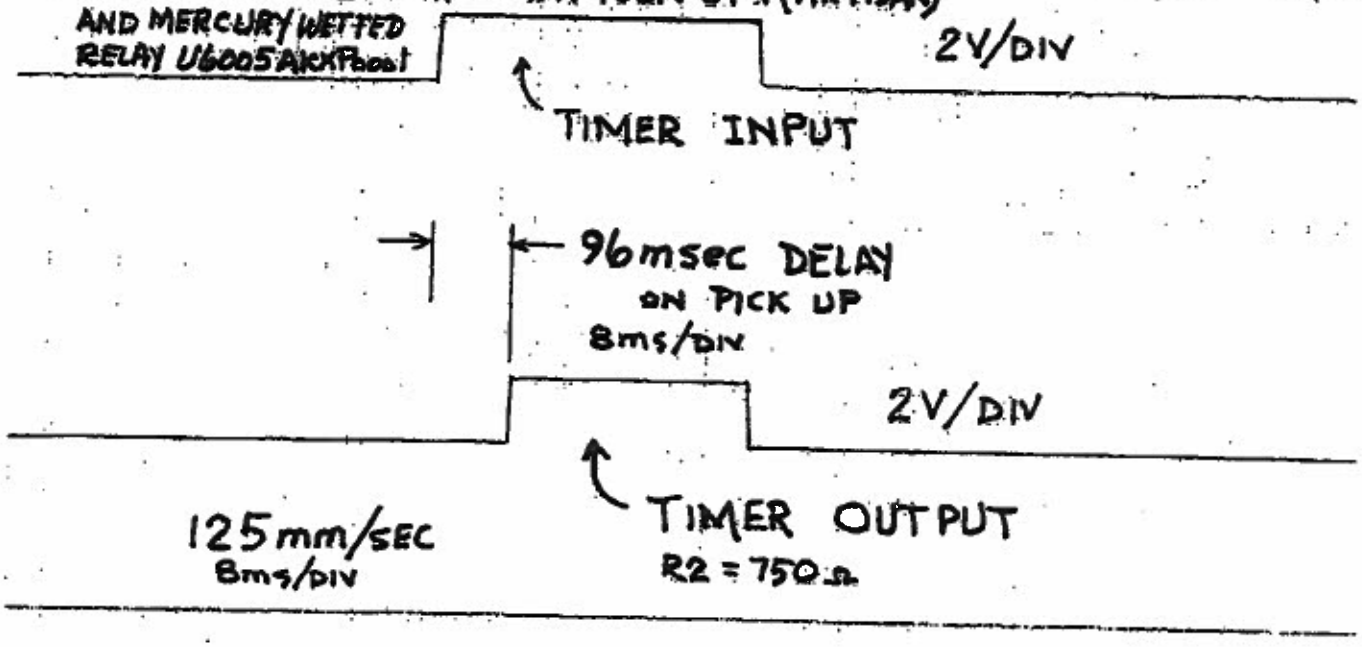
3. USE 2 CHANNEL CHART RECORDER (GOULD MODEL 220 TO MONITOR FOLLOWING:
   CHANNEL 1: TIMER INPUT @ PIN 41 (2V/DIV)
   CHANNEL 2: TIMER OUTPUT @ PIN 27 (2V/DIV)
4. SET CHART SPEED TO 25 mm/SEC.
5. PUSH TEST PUSH BUTTON SWITCH WHICH APPLIES 24V TRIP SIGNAL TO TIMER. NOTE THAT TIMER ACTUATES RELAY K1 WITH 0.1 SEC DELAY ON PICK UP.
6. RELEASE TEST PUSH BUTTON AND OBSERVE THAT K1 DROPS OUT AS SOON AS BUTTON IS RELEASED (NO DELAY ON DROP OUT.
7. REPEAT TEST USING CHART SPEED OF 125 mm/sec.
8. VERIFY THAT TIMER MEETS THE REQUIRED PERFORMANCE. NOTE THAT ABOVE TEST CAN BE PERFORMED USING 2 CHANNEL STORAGE SCOPE IF CHART RECORDER IS NOT AVAILABLE.
9. Check all diodes as per schematic.

FIG 1 ... TEST SET UP FOR CHECKING TIMER
USED ON ALARM & TRIP DIODE BOARD



TESTING 114D9423 G3 MODIFIED
U4354 REPLACED WITH TIMER 438A-24-1 (ARTISAN)
AND MERCURY WETTED
RELAY U6005AKXPool

11/18/02 E.Arn



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GENERAL ELECTRIC

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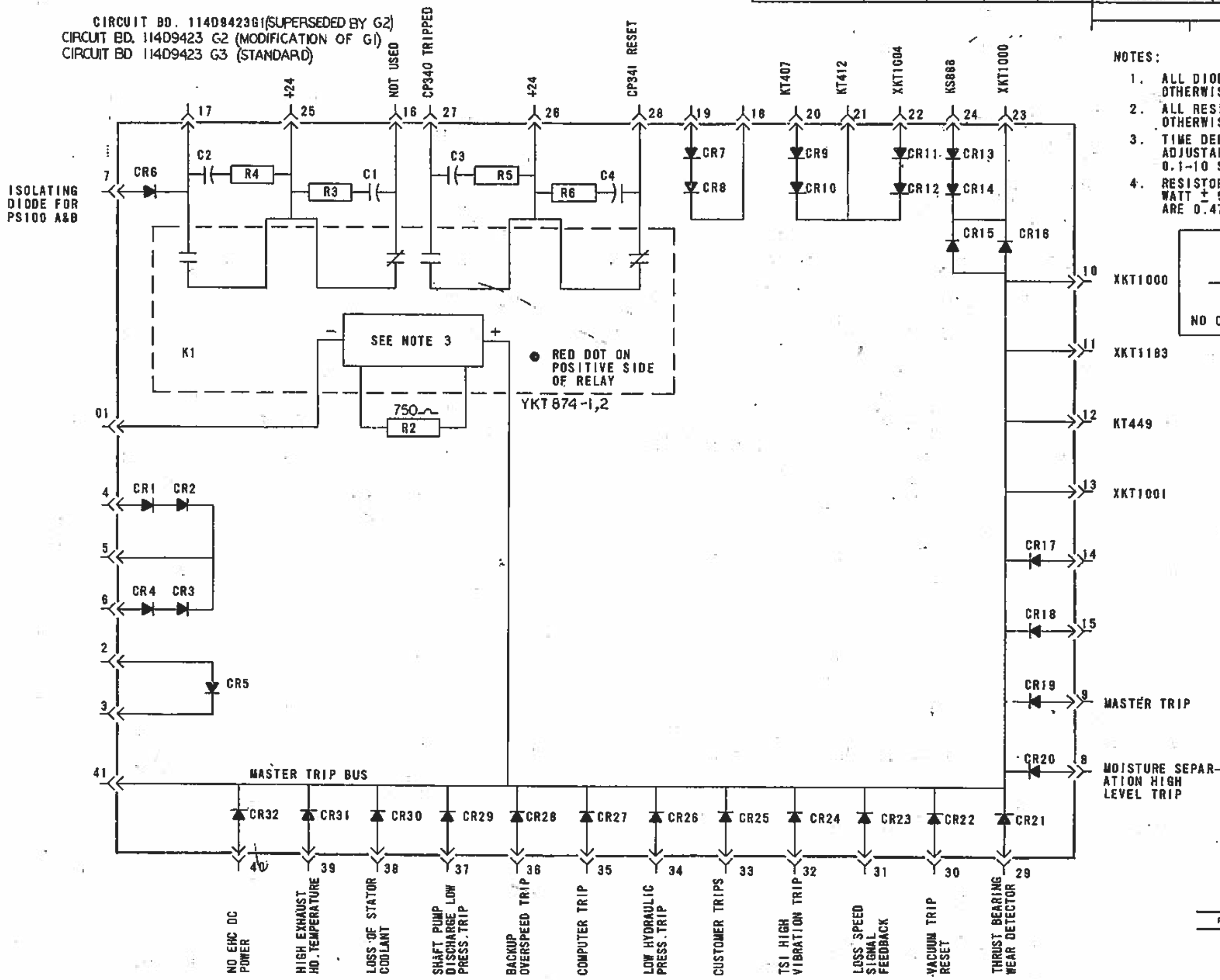
UNLESS OTHERWISE SPECIFIED USE THE FOLLOWING:—				
APPLIED PRACTICES	SURFACES	TOLERANCES ON MACHINED DIMENSIONS: FRACTIONS	DECIMALS	ANGLES
	✓	+ −	+ −	+ −

TITLE SCHEMATIC DIAGRAM
DIODE BOARD ALARM & TRIP

FIRST MADE FOR TB (EHC)

MPL68IZ9



NOTES:

1. ALL DIODES ARE G.E. TYPE IN5061 UNLESS OTHERWISE SPECIFIED.
2. ALL RESISTORS ARE 1/2 WATT 1% UNLESS OTHERWISE SPECIFIED.
3. TIME DELAY ON OPERATE DRY REED RELAY ADJUSTABLE VIA R2. TIME DELAY RANGE-0.1-10 SEC. R2-750K AT MAX.TIME DELAY.
4. RESISTORS R3 THRU R6 ARE 18 OHMS 1/2 WATT ± 5%, AND CAPACITORS C1 THRU C4 ARE 0.47 MFD-200 WVDC.

NOTE 5

NO CONNECTION CONNECTION

ENGINEER	DATE	REV	CK
H. Keller	9/22/72	2	[illegible]
H. Keller	7/[illegible]	1	[illegible]
C X D	9/1/70	0	[illegible]

REVISIONS
1 TF4833 [illegible]
2 [illegible] TF4833-B

PRINTS TO
273-2
273-138
273-148
FL-1 FL-4 FL-6 FL-7 FL-10

REV NO. 0 1 2

MADE BY [illegible] Aug 26, 1970
ISSUED Sept. 3, 1970
APPROVALS R.V.

TURBINE SCHENECTADY

LOCATION TB-G6

14IC9681

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