

NOTES:

- △ ADD SLEEVING SIZE 16 AWG TO COMPONENT LEAD
- △ COMPONENT PREPARATION REQUIRES SAME SET-UP FOR ALL THE FOLLOWING COMPONENTS: R311-2.PC, R423, R514, R427, R355B, R355, R411-2.PCS. USE R23 ON P.C. BD. TO SET-UP PREPARATION OF COMPONENTS.
- △ COMPONENTS PREPARATION REQUIRES SAME SET-UP FOR ALL THE FOLLOWING COMPONENTS: R311-5.PCS, R411, Z24, R470, Z20. USE R12 ON P.C. BD. TO SET-UP PREPARATION OF COMPONENTS.
- △ COMPONENT PREPARATION REQUIRES SAME SET-UP FOR ALL THE FOLLOWING COMPONENTS: R314, R441, S89. USE R3 ON P.C. BD. TO SET-UP PREPARATION OF COMPONENTS.
- △ COMPONENT PREPARATION REQUIRES SAME SET-UP FOR ALL THE FOLLOWING COMPONENTS: R311, R399, D71. USE R5 ON P.C. BD TO SET-UP PREPARATION OF COMPONENTS.
- △ INTERNAL WASHERS ARE TO BE INSTALLED UNDER HEAD OF SCREW.
- △ INSTALL 1/8" FROM BODY OF RESISTOR TO BOARD. SEE VIEW 'B'. (APPROXIMATELY, SPACING NOT CRITICAL).
- Ⓢ ADD LABEL WITH PART NUMBER AND CURRENT REVISION

REVISIONS				
REV	DESCRIPTION	DATE	APP.	REV. BY
18	ECO# 95-016	1-25-95	J.G.	M.V.
17	INC. ECO# 95-899	2/4/96	S.S.	M.V.
18	INC. ECO 97-0702	9/4/97	WTC	V
19	INC ECO 98-0162	4/16/98	A.A.	V

41	I 175	1	-	MICA INSULATOR (INSTALL BETWEEN NEGATIVE & TRIAC)
40	-	2	-	WASHER FLAT, NO. 6 S.S.
39	R314	1	R3	RESISTOR - 301K, 1/8W, 1%
38	-	2	-	NUT, RADIO #6.
37	-	4	-	WASHER, INTERNAL STAR #6
36	-	2	-	SCREW, BINDING HD 6-32x 1/2 "LG
35	S207	1	-	SOCKET
34	S208	3	-	SOCKET
33	C14449-RS	REF		ROUTE SHEET
32	H147	1	-	HEAT SINK
31	T1107	1	Q1	TRIAC - 2N6343 OR BT806-400C
30	R427	1	R22	RESISTOR - 1.5K, 1/8W, 1%
29	R338	1	R20	- 150K, 1/8W, 1%
28	R604	1	R17	- 10K, 5W, 5%
27	R423	1	R15	- 15K, 1/8W, 1%
26	R411	3	R18, R9	- 4.99K, 1/8W, 1%
25	R441	1	R11	- 499Ω, 1/8W, 1%
24	R470	1	R10	- 576Ω, 1/8W, 1%
23	R514	1	R9	- 1M, 1/8W, 1%
22	R399	1	R8	- 2K, 1/8W, 1%
21	R310	1	R7	- 1K, 1/8W, 1%
20	R311	8	R15, R6	- 10K, 1/8W, 1%
20	"	"	R12, R13, R14, R23, R24	- " " "
20	"	"	"	- " " "
19	R358	1	R6	- 100K, 1/8W, 1%
18	-	1	R2	SELECTED BY APPLICATION
17	R13	1	R1	RESISTOR - 220Ω, 1W, 5%
16	Z20	1	D5	DIODE - 1N821
15	Z24	1	D4	- 1N935B OR 1N935A
14	D71	1	D3	- 1N5352B
13	S89	2	S1	DIODE - 1N4004
12	C388	1	C8	CAPACITOR - .047μF, 10V
11	C349	1	C7	- 100μF, 16V
10	C381	1	C6	- 10μF, 25V
9	C459	1	C5	- .001μF, 200V
8	C460	1	C4	- .1μF, 100V
7	C193	1	C3	- .1μF, 160V
6	C424	1	C2	- 100μF, 63V
5	C185	1	C1	CAPACITOR - 2.2μF 250V 10%
4	C389	1	A4	INTEGRATED CIRCUIT CA8059
3	A60	1	A3	AMPLIFIER - NE555
2	A75	2	A1, A2	AMPLIFIER - LM358
1	B-14082	1		PC BD

ITEM	PART NO.	REQ	REF	DESCRIPTION
TOLERANCE UNLESS OTHERWISE SPECIFIED				
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ANALYTICAL INSTRUMENTS AND CONTAINS CONFIDENTIAL INFORMATION				
DO NOT SCALE DWG	FRAC. ± 1/64"	Teledyne Analytical Instrument's		SCALE 2:1
	DEC ± .005	A business unit of Teledyne Electronic Technologies		5R 1M
	± .02	CITY OF INDUSTRY, CALIFORNIA 91746		ENG 1/1-25-95
	ANGULAR ± 1/2°			CHK
				MATERIAL - L'ISTED -
O/		MODEL 514		FINISH
P/		PROPORTIONAL TEMP. CONTROLLER		
F/		P.C BOARD FINAL ASSEMBLY		C-14449
S/	B-15016			DATE 2-13-90
S.O.				

