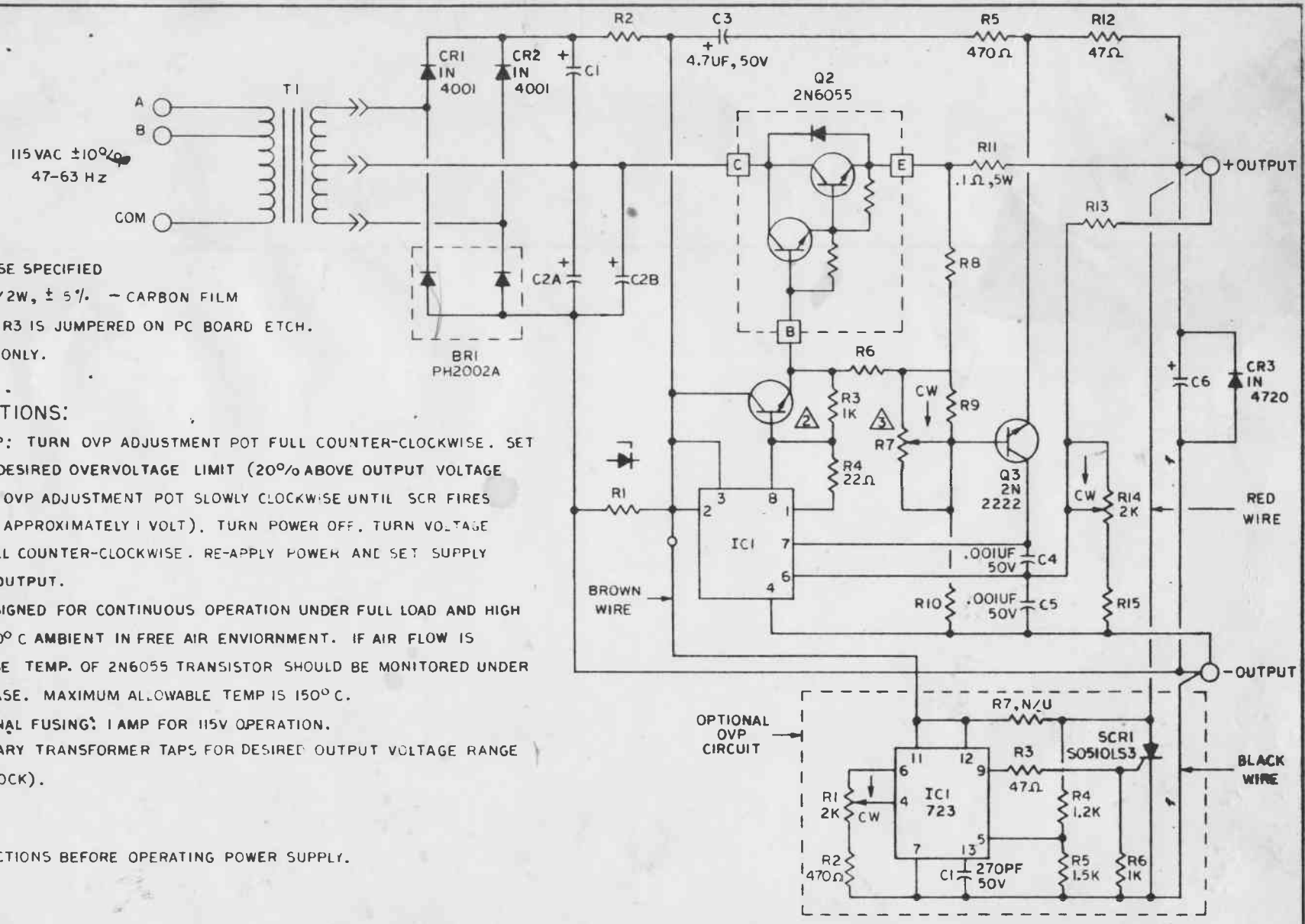

NOTES: UNLESS OTHERWISE SPECIFIED

1. ALL RESISTORS ARE 1/2W, ± 5%. – CARBON FILM
2. R3 AND Q1 NOT USED. R3 IS JUMPERED ON PC BOARD ETCH.
3. R7 USED ON -3 MODEL ONLY.

OPERATING INSTRUCTIONS:

1. TO SET OPTIONAL OVP: TURN OVP ADJUSTMENT POT FULL COUNTER-CLOCKWISE. SET OUTPUT VOLTAGE TO DESIRED OVERVOLTAGE LIMIT (20% ABOVE OUTPUT VOLTAGE RECOMMENDED). TURN OVP ADJUSTMENT POT SLOWLY CLOCKWISE UNTIL SCR FIRES (VOLTAGE DROPS TO APPROXIMATELY 1 VOLT). TURN POWER OFF. TURN VOLTAGE ADJUSTMENT POT FULL COUNTER-CLOCKWISE. RE-APPLY POWER AND SET SUPPLY VOLTAGE TO NORMAL OUTPUT.
2. POWER SUPPLY IS DESIGNED FOR CONTINUOUS OPERATION UNDER FULL LOAD AND HIGH LINE CONDITIONS AT 40° C AMBIENT IN FREE AIR ENVIORNMENT. IF AIR FLOW IS RESTRICTED, THE CASE TEMP. OF 2N6055 TRANSISTOR SHOULD BE MONITORED UNDER PARTICULAR WORST CASE. MAXIMUM ALLOWABLE TEMP IS 150° C.
3. RECOMMENDED EXTERNAL FUSING: 1 AMP FOR 115V OPERATION.
4. SELECT PROPER PRIMARY TRANSFORMER TAPS FOR DESIRED OUTPUT VOLTAGE RANGE (SEE TABULATION BLOCK).

CAUTION: READ INSTRUCTIONS BEFORE OPERATING POWER SUPPLY.

TABULATION

MODEL	INPUT TAP A	INPUT TAP B	IC1	C1	C2A,B	C6	R1	R2	R6	R8	R9	R10	R13	R15
XP30-3	2-3V, 6.0A	4V, 6.0A	LM300										220Ω	100Ω
XP30-5	5V, 6.0A	6V, 5.0A	LM305H	100UF 16V	10K UF 15V	1000UF 10V	1K	270Ω	470Ω	330Ω	220Ω	2.2K	5.6K	1.8K
XP30-9	7V, 4.4A 8V, 4.2A	9V, 4.0A 10V, 3.8A	LM305										15K	2.2K

PPOPRIETARY INFORMATION

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XENTEK INC.
SAN MARCOS, CALIF.

SCALE ——	APPROVED BY:	DRAWN BY MAR
DATE 1-28-75		REVISED
POWER SUPPLY SCHEMATIC		REV. A
MODEL XP30 (2-10V)		DRAWING NUMBER C3006-501