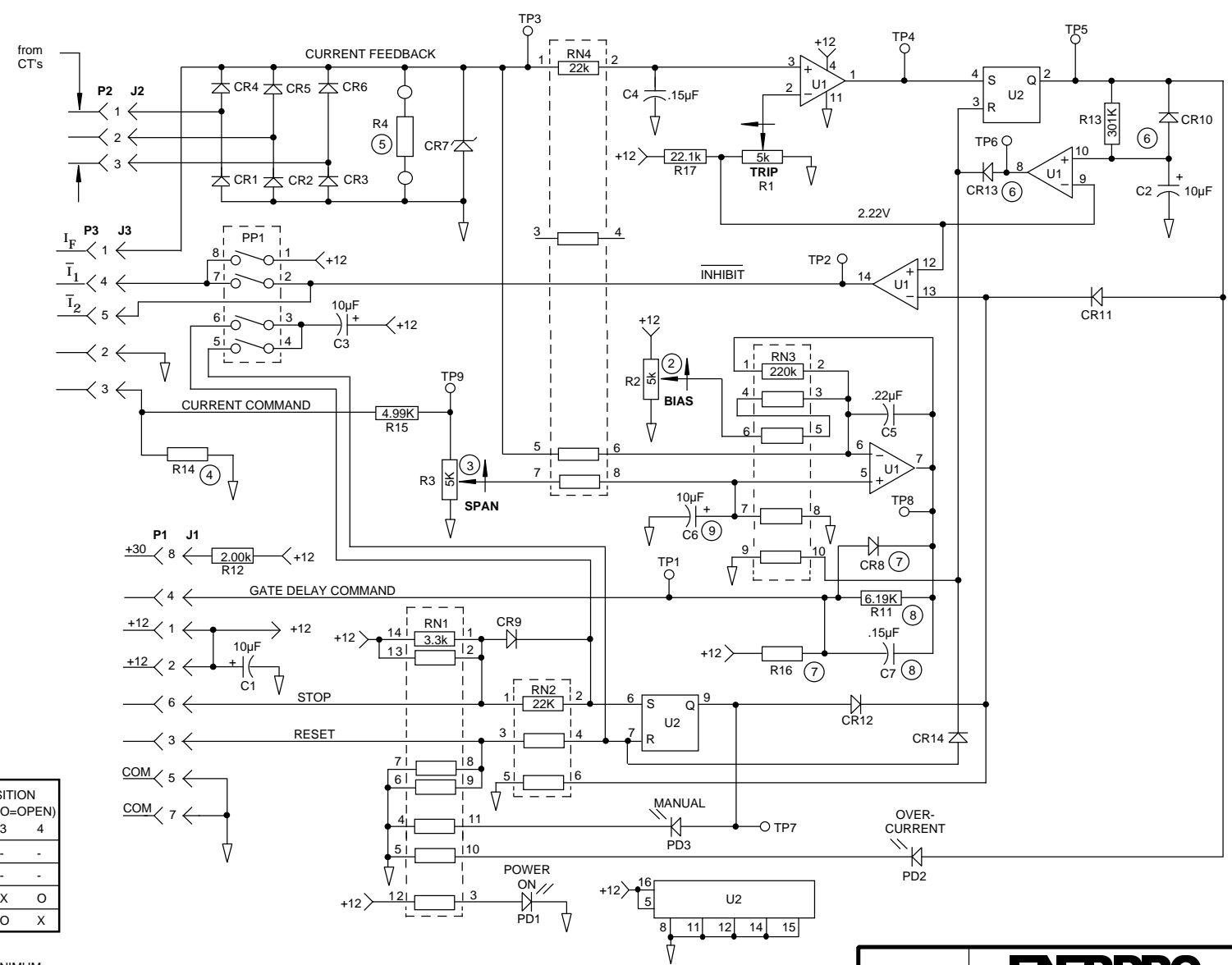


PART	DESCRIPTION
U1	LM224N
U2	MC14043BCP
RN1	760-3-R3.3k
RN2	750-63-R22k
RN3	750-103-R220k
RN3 SOCKET	SL-1-32-T-11
RN4	750-83-R22k
R1	93P-R5K
R2	93P-R5K (2)
R3	93P-R5K (3)
R4	CW5 - 5% (5)
R11	RN60 - R 6.19k
R12	RN60 - R 2.00k
R13	RN60 - R 301k
R14	RN60 - R _____ k (4)
R15	RN60 - R 4.99k
R16	RN60 - R 10.0k (7)
R17	RN60 - R22.1k (10)
C1	ECS-F1CE106k
C2	ECS-F1CE106k (6)
C3	ECS-F1CE106K
C4	MKS3 - .15μ
C5	MKS3 - .22μ
C6	ECS-F1CE106K (9)
C7	MKS3 - .15μ (8)
CR1-CR6	1N5402
CR7	1N5352
CR8	1N4004 (7)
CR9-CR14	1N4004 (6)
PD1	LN31GRH
PD2-PD3	LN21RPH
J1	640588-1
J2	1-350947-0
J3	1-350949-0
P1	640586-1
P2	1-480700-0
P3	1-480763-0
P1-P3 SCKTS	350689-3 (AWG 24-18)
PP1	436132-4
PP1 SOCKET	641250-3
E1,E2	2004C SWAGE TERMINAL

REVISIONS			
LTR	DESCRIPTION	DATE	APPD
B	ADD C7 AND R16, MODIFY PP1 FOR 120 VAC START	5-26-86	fjb
C	ADD CR14 and R17, make RN3 10-pin SIP	7-30-90	fjb



**NOTES**

1. PROGRAMMING PLUG STATUS:

NO.	FUNCTION	PLUG POSITION (X=CLOSED, O=OPEN)			
		1	2	3	4
1	SOFT-ON, SOFT-OFF	X	O	-	-
2	SOFT-ON, INSTANT-OFF	O	X	-	-
3	PUSH-BUTTON START	-	-	X	O
4	120 VAC START	-	-	O	X

- ADJUST BIAS POT R2 FOR 0% SCR OUTPUT WITH CURRENT COMMAND VOLTAGE AT MINIMUM.
- ADJUST SPAN POT R3 FOR 100% SCR OUTPUT WITH CURRENT COMMAND VOLTAGE AT MAXIMUM.
- FOR mA COMMAND SIGNAL: SELECT R14 FOR 4.0 VDC MAXIMUM COMMAND VOLTAGE AT TP9.
- SELECT R4 FOR 1.00 VDC FULL LOAD CURRENT FEEDBACK SIGNAL.
- FOR AUTOMATIC OVERCURRENT RESET: INSTALL C2, CR10, CR13.
- FOR CURRENT LIMIT OPERATION: INSTALL R16, INSTALL CR8 IN PLACE OF R11.
- FOR INCREASED STABILITY MARGIN: INSTALL C7, CHANGE R11 TO 53.6 k ; OMIT R41 AND R52 ON FCOG6100 SCR FIRING BOARD.
- SELECT C6 TO DETERMINE RESPONSE TIME.
- FOR INCREASED CURRENT TRIP MARGIN: CHANGE R17 TO 7.50k.

SERIAL NOS.

E207 REV. C

		<b>CURRENT TRIP/REGULATOR, CT FEEDBACK PWA</b>	
Approvals drawn: fjb	Date 11-2-85	Sheet 1 of 1	
redrw. cja	8-7-87		
chkd: web	11-10-87		
chkd: fjb	10-21-88		