



- NOTES:**
- 1- Adjust R4 for 1% SCR output with SIGHI = 0VDC
 - 2- Adjust R5 for 99% SCR Output with SIGHI = 5VDC
 - 3- Install R23 = 249 Ohms for 20mADC current signal input
 - 4- Factory selected resistance
 - 5- Select R13 + R14 for desired soft-start time
 - 6- Select R13 for desired soft-stop time
 - 7- Select R3 for 1.0VDC full load current feedback signal
 - 8- For open loop operation: omit BR2, omit R3, make R26 = 47.5K and C5 = 0.68uF
 - 9- For current regulation only: Select R26 resistance for desired regulator stiffness, select C5 capacitance for adequate regulator stability.
 - 10- For 50Hz operation: Install P3 in positions 1&2
 - 11- LOW SIGNAL INHIBIT function inhibits gating when SIGHI < 0.49 VDC
Remove D3 to defeat this function
 - 12- Install CP2 when 480VAC is applied to T1. Jumper CP2 for all other voltages.
 - 13- Cut trace where indicated and add R27 for adequate integrator gain if needed

RN60 RESISTOR SELECTION (kOHM)					
R11	3.01	R16	14.0	R21	750
R12	(4)	R17	1.50	R22	42.2
R13	(5) (6)	R18	2.00	R23	(3)
R14	(5)	R19	4.99	R24	221
R15	511	R20	7.50	R25	20.0

TRANSFORMER SELECTION		
PART NUMBER	VOLTAGE RATING	VA
SPW104	120/240	6
4-05-2024	120/240	6
SPW154	120/240	9
380/UI24-250	190/380	6
4-05-2605	240/480	6

ENERPRO GOLETA, CA

Title: General Purpose 2-SCR Firing Circuit / Regulator

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