

DARRAH ELECTRIC COMPANY

5914 MERRILL AVENUE ■ CLEVELAND, OHIO 44102 ■ TEL: 216-631-0912 ■ FAX: 216-631-0440

Power Conversion Solutions - Distribution - D.C. Power Supplies



INST. NO. 1116

10/11/96

DARRAH'S 3 PHASE SCR CONTROL CIRCUIT BOARD

DARRAH PART NUMBER:	E19005A
ENERPRO PART NUMBER:	FCOG6100
PRINT I.D. NUMBER:	E4
CIRCUIT	PRIMARY SCR'S (6)

DESCRIPTION OF OPERATION

Circuit board responds to a 0 – 5 volt dc signal from the “E5” regulator and produces a controlled set of six 60 degree spaced high current SCR gate pulses.

CIRCUIT BOARD TERMINAL CONNECTIONS

J1:	Line SCR's gate / cathode connections (3 SCR's)
J2:	Load SCR's gate / cathode connections (3 SCR's)
J3:	Pin 10 Positive 0 – 5 vdc signal Pin 11 Negative 0 – 5 vdc signal
	From E5 Board
J4:	Pin 4 – 6 Instant Inhibit jumper, <u>Normally Closed</u> AC Input board power T1 Transformer, Part Number EP1032B Pin 1 & 5: 480 VAC Input Pin 1 & 3: 230 VAC Input

NOTE: Other AC voltage inputs and pin configurations are possible. This is determined by the T1 transformer number installed on the board.

TROUBLE SHOOTING THE E19005A FIRING BOARD

