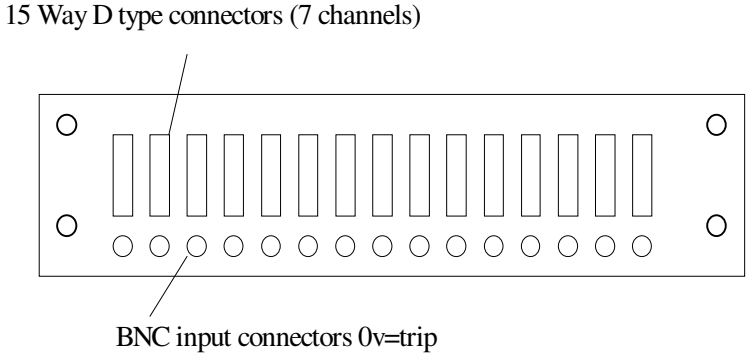
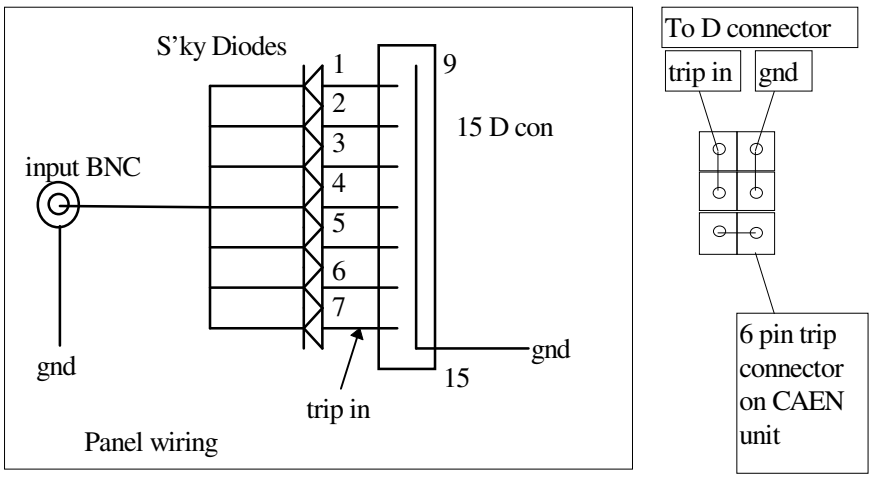
CAEN HV shutdown interface panel

The CAEN power supply requires 0V into 100K to trip any one HV power supply channel (+5v = high logic level = OK). The temperature sensor at the preamp together with the Eurisys interface card produces 0V when a trip condition is detected and +5V under normal temperature conditions. It is possible therefor to have a simple panel made which would allow 7 channels of Ge CLUSTER HV supplies driven from the same trip signal. Since the over-current shutdown is required in the CAEN power unit then the diode arrangement is required on the panel to isolate the trip circuit from the over-current output on the CAEN unit. The wiring required for the connecting cables is shown below.



For over-current protection:-



Seven connectors at the CAEN end go to each 15 way 'D' Type connector.

Connections for cables as follows:-

CAEN	'D' connector	
Channel	Trip pin	Gnd pin
1	1	9
2	2	10
3	3	11
4	4	12
5	5	13
6	6	14
7	7	15

Jim Thornhill
22 January 1997