Remote Disable

HiRA Power Supply Modules

Model	Logic Disable	Short to Ground Disable	Excessive Load Trip	Reset
Tennelec TC 953A	NIM or TTL logic zero (**'DISABLE' BNC**)	Test with 50 Ohm or 100 Ohm Terminator (**'DISABLE' BNC**)	20μA	Voltage control cycled from OFF to ON
Tennelec TC 953	NIM positive logic zero (**'DISABLE' BNC**)	Test with 50 Ohm or 100 Ohm Terminator (**'DISABLE' BNC**)	2 Volts over front-panel control 100 V range **OR** 20 Volts over front-panel control 1,000 V range	Reset every 7 seconds (excessive load trip only) **OR** Voltage control cycled from OFF to ON (any disable method) **Reset mode determined by jumper**
Vern Kiebler 5900	None	Load Short (fast trip)	Current load exceeds 80% of full scale meter reading (slow trip)	Manual reset **OR** Reset every few hundred milliseconds **Reset mode determined by front-panel switch**
Bertan 380P	None	None	Current load exceeds 80% of full scale meter reading	Manual reset **OR** Reset every few hundred milliseconds **Reset mode determined by front-panel switch**
Canberra 3105	NIM or TTL logic zero (**'INHIBIT' BNC**)	Disables (logic zero) (**'INHIBIT' BNC**)	100μA	NIM or TTL logic one (preceded by zero) **OR** Removing short to ground
HiRA Power Supply	Flip switch to **EXTERNAL** Power enabled with TTL logic one; disabled with zero	Disables (logic zero)		Restore the TTL logic one to the EXTERNAL connector.
CAEN SY2527	See separate table.	See separate table.	Programmable	See separate table.

CAEN SY2527

Remote Shutdown Method	Explanation	Rate of Shutdown	Reset
KILL Input	Requires a NIM or TTL TRUE signal into the **KILL** connector Computer software may also send KILL command	Immediately turns off all channels	RESET signal from PC **(front-panel)** OR Push button RESET; hold at least 1 second **(front-panel)**
Remote Channel Enable	Three position switch (LOC ENABLE / REM ENABLE / DISABLE) in **REM ENABLE** position will keep channels active with a TRUE signal. For remote shutoff, remove the signal.	Turns off or Resets channels at rates determined by the parameters Ramp-Down and Ramp-Up, respectively.	Restore the TRUE signal to the **REM ENABLE** connector.
INTERLOCK command	Logic signal to **INTERLOCK** connector, with two position switch *Upper position*: Shutoff when ground is removed *Lower position*: Shutoff when connector is grounded	Immediately turns off all channels	The INTERLOCK condition must be removed.