

PPS

Power supply

The power supply powers the PRO-NET boards in a rack. All PRO-NET board work on +15/-15 VDC. Not all boards require -15 VDC. The PPS has an extra 5 VDC output for sensors.

There is an RS-485 to RS-232 converter on the power supply. This converter is used to provide an RS-232 connection on each rack. This port can be used to access the PRO-NET network directly with a PC. This is for service purposes only. It is not intended for the user.

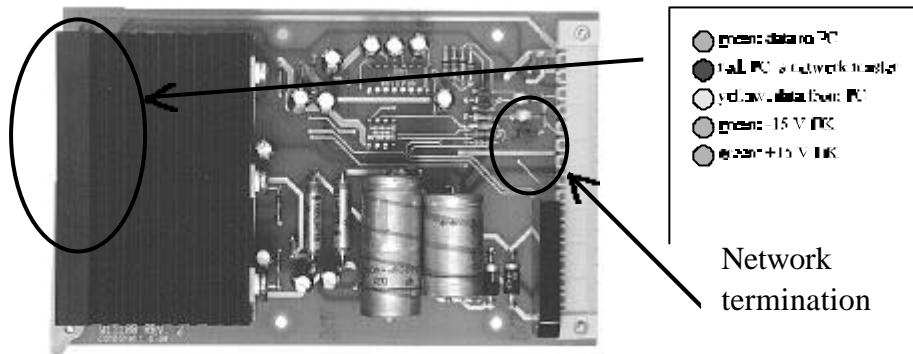
The technical specifications are:

Width in TE's (see PRW)	7
Output:	+15VDC, 1 A -15 VDC, 0.5 A +5 VDC, 100 mA
Type:	linear
Ripple:	+15 VDC, max. 15 mV -15 VDC, max. 15 mV
Operating temperature:	-10...+50°C
Storage temperature:	-20...+70°C

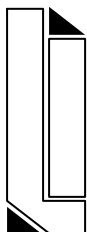
The signal connections are:

Connector pin number	Signal
1	0 V system
2	- 15 V DC
3	+ 15 VDC
4	Network loop +
5	Network ground
6	Network loop -
7	5 VDC (auxiliary output)
8	RS-232 ground
9	RS-232 RTS
10	RS-232 RxD
11	RS-232 TxD
12	
13	15 VAC 1 (input)
14	15 VAC 1 (input)
15	15 VAC 2 (input)
16	15 VAC 2 (input)

The LED's on the power supply have the following meaning:



The network termination jumper can be placed if there are communication errors on a long network (100's of meters). The resistor terminates the network with the correct impedance.



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