MNV-4

4 channel NIM-power distribution

The mesytec MNV-4 is a 4-channel NIM power distribution and control module.
The individual Voltage outputs (+-6V, +-12V and +-24V) are protected by electronic fuses which automatically recover after short circuit.
All six voltages are surveyed within +-5% of the nominal voltage for each of the four outputs. The status is displayed by LEDs switching from green to red in error case. The module also helps to check the correct voltage levels of a NIM-bin.
If a NIM-bin without +- 24 Volts is used, the corresponding LEDs get off, and the voltage survey of those voltages is skipped.

Features:

- Four output connectors with ±6V, ±12V, ±24V each
- Survey of all 6 voltages on each output
- Protection of all voltages by self recovering electronical fuses
- Standard voltage output compatible to mesytec electronics and to some other manufacturers.

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Technical Data:

Power consumption

- +6V or +12V, +50mA

Voltage Output and Current limit

for each of the 4 output connectors
- ±6V, max 2A
- ±12V, max 2A (before 2003: 0.4A)

sum of all currents of all 4 output connectors:
- ±24V, max 0.4A

Fuse release: when current drops to less than half the maximum current, the fuse recovers.

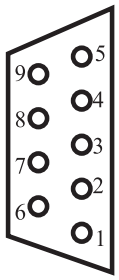
Display

- If one of the 6 voltages is off the nominal value by more than %5 the corresponding LED gets red.
- If one voltage is missing at one output connector (for example due to short circuit) the output connector LED gets red, the corresponding voltage LED also gets red.
- If ±24V does not exist, corresponding LEDs remain dark. (No error status.)

The front page picture shows the following error status: +6V missing on connector 3.

Connector pin out:

SubD9 female connector



1,2	:	ground
3	:	+6V
4	:	+12V
5	:	-6V
6	:	-24V
7	:	+24V
8	:	not connected
9	:	-12V

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