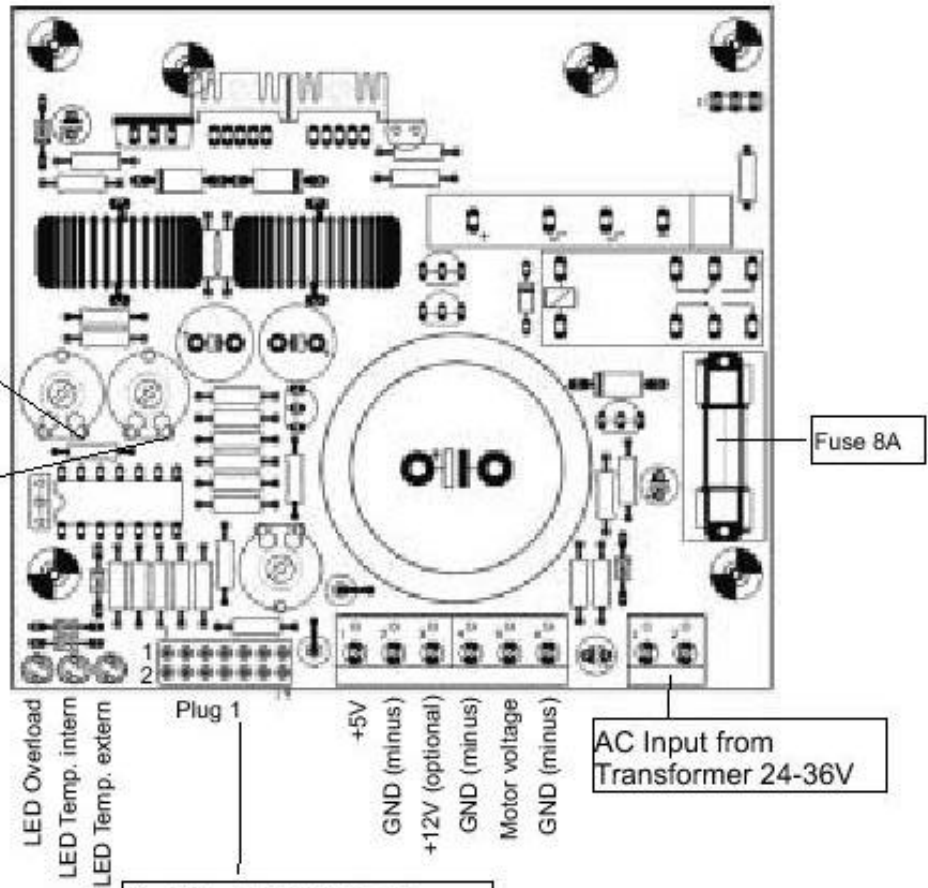


Steppermotor Power Supply

5A 43V 5V
12V (optional)



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P1 Trimmer and message point for temperature indicator internal. For the proper value of the referenz voltage please refer diagramm 1

P2 Trimmer and message point for temperature indicator external. For the proper value of the referenz voltage please refer diagramm 1

Fuse 8A

AC Input from Transformer 24-36V

LED Overload
 LED Temp. intern
 LED Temp. extern
 Plug 1
 +5V
 GND (minus)
 +12V (optional)
 GND (minus)
 Motor voltage
 GND (minus)

- 1 Ext. LED overload
- 3 Ext. LED temp. intern
- 5 Ext. LED temp. extern
- 7 TTL Out overload
- 9 TTL Out temp. intern
- 11 TTL Out temp. extern
- 13 Temperature Sensor external
- 2-14 GND

Overload indicator

The red led indicates a load above 5A. At plug 1 pin 7 this Signal is distributed at TTL-level for external use. The power supply should not constantly be operated with the bright or flashing overload LED otherwise a stronger power supply is required.

The temperature indicator internal

At the heat sink a temperature sensor is installed. At a temperature of more than 70°C the LED “temp” shines. At the plug 1 pin 9 this signal is distributed at TTL level for external use. If the LED is on the supply should be cooled extra with a fan or other means. Failure to do so could lead to overheating of components.

Temperature indicator external

At plug 1 pin 13 an external temperature sensor can be attached (output stage temp). The limit value is adjusted with the trimmer P2. With the adjusted limit temperature (70°C preset) the warning led “temp external” will turn on. At plug 1 pin 11 this signal is distributed as TTL as well.

Diagramm 1

referenz voltage vs temperature

