

Technical data:

Output voltage AC 3/6/9/12V, adjustable with stage switch.
Maximum continuous rate of 3A.

Output voltage DC: 0...12V, with potentiometer, stageless adjustable.
Maximum continuous rate at voltage: 0...9V max. 3A,
9...10,5V max. 1,6A, 10,5...12V max. 0,5A.

Input voltage: 230V AC 50..60Hz

Fuses: Primary: Fuse wire T400mA - located in protection switch
Secondary: The voltage outputs are resistant against short-circuits and overloads. In case of overload, the apparatus switches off in both voltage levels autonomously (electronical fuse) and is ready for operation again shortly after.
If necessary, the On/Off switch has to be exerted as well.

Box: plastics, ABS
Dimensions: ca. 160x120x45mm
Mass: ca. 1260g

Take care that the device does not fall. In the event that this does occur, have the device examined or repaired by authorized service personnel.

In the event that unforeseen difficulties arise during operation, switch off the device and contact the dealer.

Do not subject the device to dripping or sprayed water.

Use only fuses of the type and current rating indicated.

The device contains no components requiring maintenance on the part of the user.

This device may only be operated by qualified personnel or by persons they instruct in its use.

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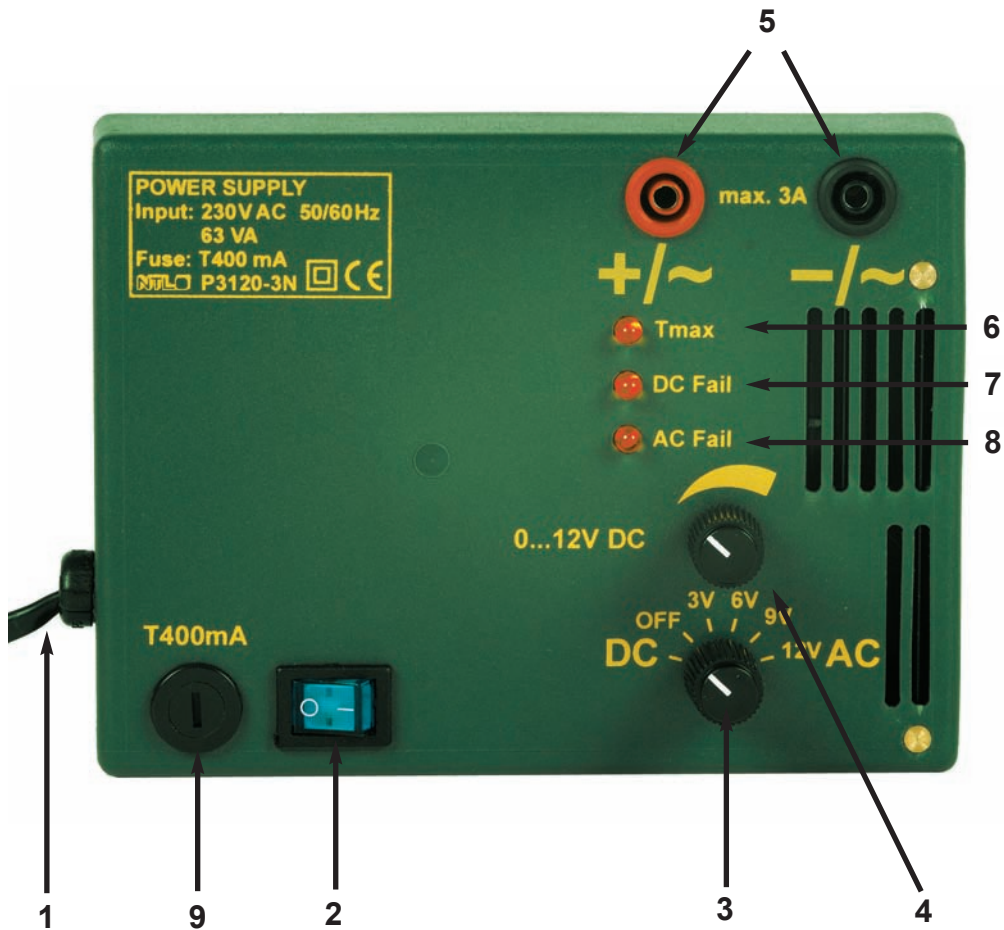
P3120-3N Low voltage transformer „inno“



Low voltage transformer „inno“

This apparatus is to be used as an electric power supply for all students experiments listed in the NTL literature as well as for experiments in electrics, electronics and general demonstration experiments.

Based on line voltage the low voltage transformer is generating a four grades adjustable AC voltage as well as an electronical stabilized stageless adjustable DC voltage.



- 1 2-pole power cable – directly connected with the box
- 2 On/Off switch
- 3 Step switch: DC/Off/AC 3/6/9/12V
- 4 Voltage regulator for DC 0..12V
- 5 4mm-Safety sockets for AC/DC output
- 6 Indicator lamp for overload protection fuse
- 7 Indicator lamp for overload protection DC
- 8 Indicator lamp for overload protection AC
- 9 Primary fuse T400mA

User Manual

Output voltage AC 3/6/9/12V, adjustable with stage switch.
 Maximum continuous rate of 3A at 6V and 12V, temporary extraction up to 11A is possible.
 Output voltage DC: 0...12V, stageless adjustable.
 Maximum continuous rate at voltage: max. 3A.

The lines are protected by PTCs against overload. As soon as a PTC gets activated, the red LED starts lightening. In such case, the output has to be disconnected, the assembling revised and freshly connected.

In case of excessive total load, the melting fuse - located at the cover of the apparatus - will be destroyed.

Do not cover the ventilation gaps of the forced cooling. The apparatus is protected by an additional thermo fuse. As soon as the internal cooling body gets too hot, the output automatically switches off.