

Transformer Power Supply Unit linearly controlled

NG2

Characteristics:

- **Supply voltage:**
115 or 230VAC, 50/60Hz
- **Output: 2x 200mA**
 $\pm 10V$, $\pm 12V$ or $\pm 15V$
- **Status display in each output**
- **Each output voltage fine adjustable**
- **Short-circuit proof max. 30min**
- **Mountable on 35mm cap rail TS35**
- **Clear terminal labeling**
- **Narrow design**
- **Shape 45mm,**
- **High reliability, 5 years warranty**



Description:

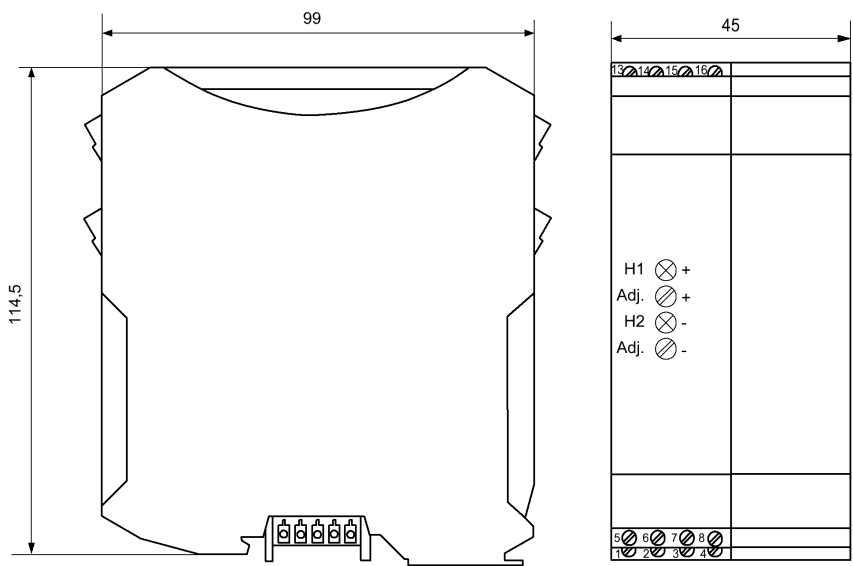
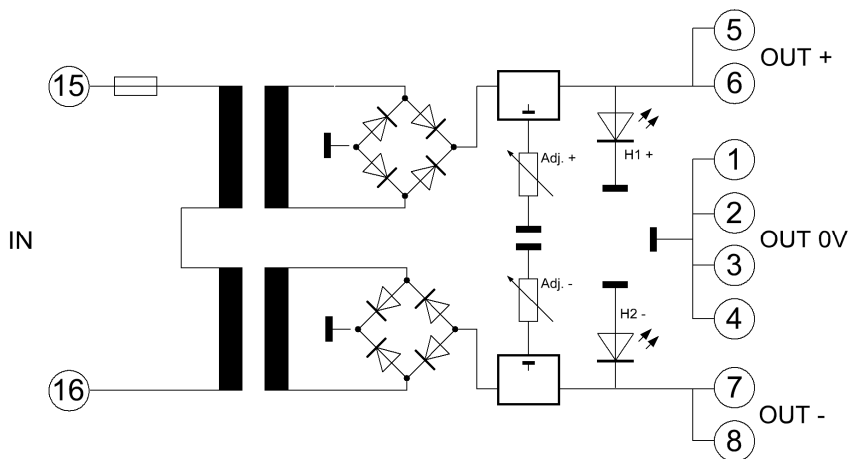
The devices of the linearly controlled transformer power supply series NG2 are developed for supplying small electrical consumers. Because of the conventional construction with transformers they are particularly suitable for the use in analog systems or circuits. Two different variants with a supply voltage of 115V / 230V enable them for a global use. Furthermore there are output voltages of: $\pm 10VDC$, $\pm 12VDC$ or $\pm 15VDC$ for the user at disposal. With a 20-turns cermet trimming potentiometer is each polarity adjustable, independent from each other. Each voltage is loadable up to 200mA. One LED in each output displays the ON-position.

Application:

Centralized / decentralized DC supply including: MSR – applications
Precise power supply because of the fine adjustment of each output voltage

Order-No.:

	Input:	Output:
	50/60Hz	DC, 2x 200mA
NG2-10-115	115V	$\pm 10V$
NG2-12-115	115V	$\pm 12V$
NG2-15-115	115V	$\pm 15V$
NG2-10-230	230V	$\pm 10V$
NG2-12-230	230V	$\pm 12V$
NG2-15-230	230V	$\pm 15V$



Technical Data

Auxiliary power:

Supply voltage	:	115VAC ±10%, 50/60Hz 230VAC ±10%, 50/60Hz
Power consumption	:	6VA, ± 10V 10VA, ± 12V, ± 15V

Outputs:

Output voltage	:	± 0, 2%
Fine adjustable	:	± 200mV
Output current	:	2x 200mA
Temperature coefficient:		5mV / K
Voltage change		
Load change 10%	:	± 15mV
Load change 80%	:	± 100mV
Harmonic	:	<10mV
Short-circuit proof	:	Max. 30min

General data:

Operating temperature	:	0...50°C
Storage temperature	:	-25...+85°C, condensation before putting into operation is not allowed
Test voltage	:	4kVAC
CE conformity	:	EN 61326-1, EN 61000-4-2/3*/4/5/6*, EN 61000-6-4 * during measurements are small deviations possible

Body:

Dimension	:	Cf. drawing, 45mm adjoin body, 45x114,5x104,5mm (with terminals)
Material	:	PA / V0
Protection category	:	IP20
Connection	:	M3-screw-type terminal 0, 14 – 2,5mm², flexible or inflexible
Fixing	:	Snap-on mounting for norm rail TS35
Weight	:	450g

Note on safety:



Disconnect the power supply before attempting to open the unit.

During the operation of this module it is possible that parts of the module, even there is extra-low voltage, (for example shunt measurement) are under dangerous voltage! Therefore a non-observance of this caution may cause damage of property or physical injury.

Only trained qualified personnel should install or operate the unit. Before installation the qualified personnel should read the documentation and should familiarize themselves with the unit.

If there is visible damage to the body of the unit it should be immediately replaced and not put into operation.



Please ensure that there is a sufficient prevention against electrostatic discharge during installation of the unit.

Installation Information:

Pay attention and make sure the unit is far away from mounted sources that may disturb the device such as magnetic coils, transformers, frequency converters etc.

Wiring advise:

Use only shielded cables. The shield is to be connected extensively to ground. Do not mix power- and signal-wires/cables in the same cable tray.

Limited guarantee:

The LEG Industrie-Elektronik GmbH warranted that the product does not have any material or processing defects in a period of 5 years after date of delivery.

It is up to the choice of LEG to repair or to exchange an inoperative unit.

Subsequent damages or any claim for indemnification above the functionality of the unit are excluded.

This limited warranty is only valid if ...

1. the product was installed and put into operation according to the LEG operation documentation;
2. the technical configuration of the power supply was abided;
3. the product was not used for unintended purposes;
4. there were no unauthorized modifications or manipulations, misuse or repairs without previous agreement from LEG .

Our Terms of Trade are based on the "General Conditions for the supply of products and services of the Electrical and Electronics Industry" including the "Complementary Clause: Extended Reservation of Property" of the ZVEI e.V. (German Association of Electrical Manufacturers).

Miscellaneous:

We expressly reserve the right, without previous notice, to correct errors contained in any data of this information brochure, and to make alterations to the program and technical modifications.