# Information leaflet on DSL products

DSL
electronic

***This leaflet contains important information!***

## -General remarks-

Units from DSL-electronic can only function safely and efficiently if transported, stored, set up and assembled correctly and operated and maintained with the necessary care. Opening the unit will cause the guarantee to expire.
Any unauthorized change to, or use of, the units which goes beyond the specified mechanical, electrical or other operating limits can lead to injury to persons and/or damage to the product.
Unauthorized changes of this kind are considered as "misuse" and/or "negligence" for the purpose of the product guarantee. Any resulting damage is thus not covered by the guarantee and any product certifications or listings are cancelled as a consequence.

- Before installation, it is necessary to check that any protective devices used are functioning correctly.
- Please make sure that the supply voltage corresponds with the voltage information stated on the rating plate of the unit!
- Units can only be installed or taken into operation by sufficiently qualified personnel.
- Applicable regulations must be complied with, in particular those issued by the VDE as well as the accident prevention regulations.
- The operating instructions must be read carefully and complied with before taking units into operation.
- It is absolutely necessary to parameterize the units in such a way that risks to persons, objects and systems are ruled out.
- All external relay coils supplied with a DC voltage must be connected with a recovery diode.
- The battery charging unit must be switched off before a battery is disconnected.
  The minus pole of the battery must be earthed in a control cabinet on the input terminal.
- Cable shields must be used according to the European EMC directive.

**Some terminals can exhibit high voltages! Unprotected handling of connected devices can cause electric shocks and injury to persons. Do not touch live terminals and components! Make sure that units are voltage-free before working on them and take precautions to prevent them from being switched on accidentally!**

**It is necessary to provide a protective device or redundancy to prevent consequential damage if the unit fails!**

## Remarks on the function groups

a) Power transducer units / buffer amplifiers / measuring devices

Measurement, input and output signals must be shielded.
In order to achieve optimum signal quality and for safety reasons, control and power cables should be laid separately.

b) Protective units

Protective units can only be used to protect the systems and components for which they are designed.
The protective function only includes the parameters specified in the data sheets.

c) Synchronizing units / control units

Before the units are taken into operation, a test run with measurements must be carried out in order to rule out incorrect synchronization etc. If the safety requirements are high, it can be necessary to design redundant systems.
For protection against overcurrents, overvoltages or overspeeds, we recommend an additional independent emergency stop or the necessary protective devices.

d) Battery charging units / power supply units

When battery charging units and power supply units are operating, the surface of parts of the units can heat up. Touching adjacent parts can cause burns or overheating.
Please make sure that the distance to adjacent parts is large enough to ensure adequate ventilation and cooling of the battery charging units / power supply units.

## Safety advice

Please read the operating instructions provided with the units as well as all other publications which must be consulted before working with the product in question (especially for the purposes of installation, operation or maintenance). If you do not follow the advice given in the descriptions, injury to persons and/or damage to the product can be the result.

## Static electricity

Units can include components which are sensitive to static electricity. Please observe the following information in order to prevent damage to these components:
Discharge the static electricity in your body before touching terminals and connections. For this purpose, make sure that the unit is switched off beforehand, touch an earthed surface and stay in contact with this surface while working with the unit.
Do not touch components or contacts on the circuit board with your hands or with conductive material.

## Maintenance and function testing

The maintenance and testing of units supplied by DSL-electronic must be carried out at regular intervals depending on the experience which the operator has had with these products and systems and at least two times per year. Depending on the type, the location and the safety relevance of the units used and of the systems or system components monitored or controlled by or connected with these units, it is necessary to adjust this maintenance interval. Testing must cover all functions provided by these units.

## Disposal information

If the packaging is no longer required, it must be disposed of via the local waste disposal system. The packaging consists of environmentally sound materials which can be used as secondary raw materials.
The unit including accessories and any empty accumulators or batteries should not be disposed of along with domestic waste as they were manufactured from high-quality materials which can be recycled and re-used. The European directive 2002/96/EC (WEEE) requires electrical and electronic units to be collected separately from unsorted municipal waste in order to allow them to be recycled.

## -One final remark-

DSL-electronic GmbH does not guarantee, either explicitly or implicitly, that the examples, data or other information included in this leaflet or the device-specific data sheets are accurate or comply with industrial standards.
DSL-electronic accepts no liability for direct or indirect damage or accompanying or consequential damage resulting from any use whatsoever of the examples, data or other information given included in this leaflet or the device-specific instructions.
DSL-electronic gives no guarantee for the design and planning of the technical system as a whole. The operator is responsible for taking the unit into operation correctly. The question as to whether the performance or the characteristics of our units fulfil the intended purpose are at the discretion and responsibility of the operator.

***We reserve the right to change, improve and adapt products at any time.***
***If one or several of the statements included in this leaflet or the device-specific instructions are contradictory or do not correspond with the industrial standards, the effectiveness of the other statements made is not affected.***