Littfinski **D**aten**T**echnik (**LDT**)

Operating Instruction

Components for the Transponder Technology (RFID)

Plug-In Power Supply Device SNG-10
for Transponder-Readers COL-10

SNG-10 Part-No.: 000127
>> finished module <<

By supplying the Transponder-Reader COL-10 with a direct current of the Plug-In Power Supply Device SNG-10 the reading distance will enlarge by up to 50%.

It is possible to supply up to 10 Transponder-Readers COL-10 with one Plug-In Power Supply Device SNG-10.

This product is not a toy! Not suitable for children under 14 years of age!
The kit contains small parts, which should be kept away from children under 3!
Improper use will imply danger of injuring due to sharp edges and tips! Please store this instruction carefully.

CE ☒

4 038264 024650

Introduction / Safety instruction:

You have purchased the **Plug-In Power Supply Device SNG-10** for the supply of Transponder-Readers **COL-10** for your transponder system. The **SNG-10** is a high quality product that is supplied within the assortment of **L**ittfinski **D**aten**T**echnik (**LDT**).

We are wishing you having a good time using this product!

- Please read the following instructions carefully. Warranty will expire due to damages caused by disregarding the operating instructions. **LDT** will not be liable for any consequential damages caused by improper use or installation.

- We designed our devices for indoor use only.

The Plug-In Power Supply Device SNG-10 comes with **24 month warranty**.

Preparing the Plug-In Power Supply Device SNG-10 for the connection to the Transponder-Readers:

- **Attention: Before starting any installation take care that all components are voltage free. The Plug-In Power Supply Device SNG-10 has to be separated from the main power supply during installation-work.**

At first cut off the **low voltage socket** at the end of the supply cable by using a side cutter.

One of the two wires will be **completely black**. This will be the **negative wire** of the plug-in device. The second wire has been marked with a **white stripe**. This will be the **positive connection**.

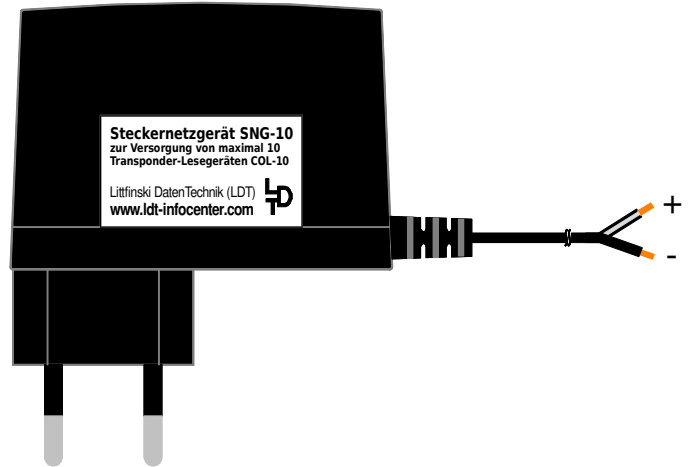## Connecting the Plug-In Power Supply Device SNG-10 to the Transponder-Readers COL-10:

Connect the **negative wire (complete black wire)** to the connection **"brown"** of the **clamp KL2** of **the Transponder-Readers COL-10**.

The wire marked with the **white stripe (positive polarity)** has to be connected to the port **"yellow"** of the **clamp KL2**.
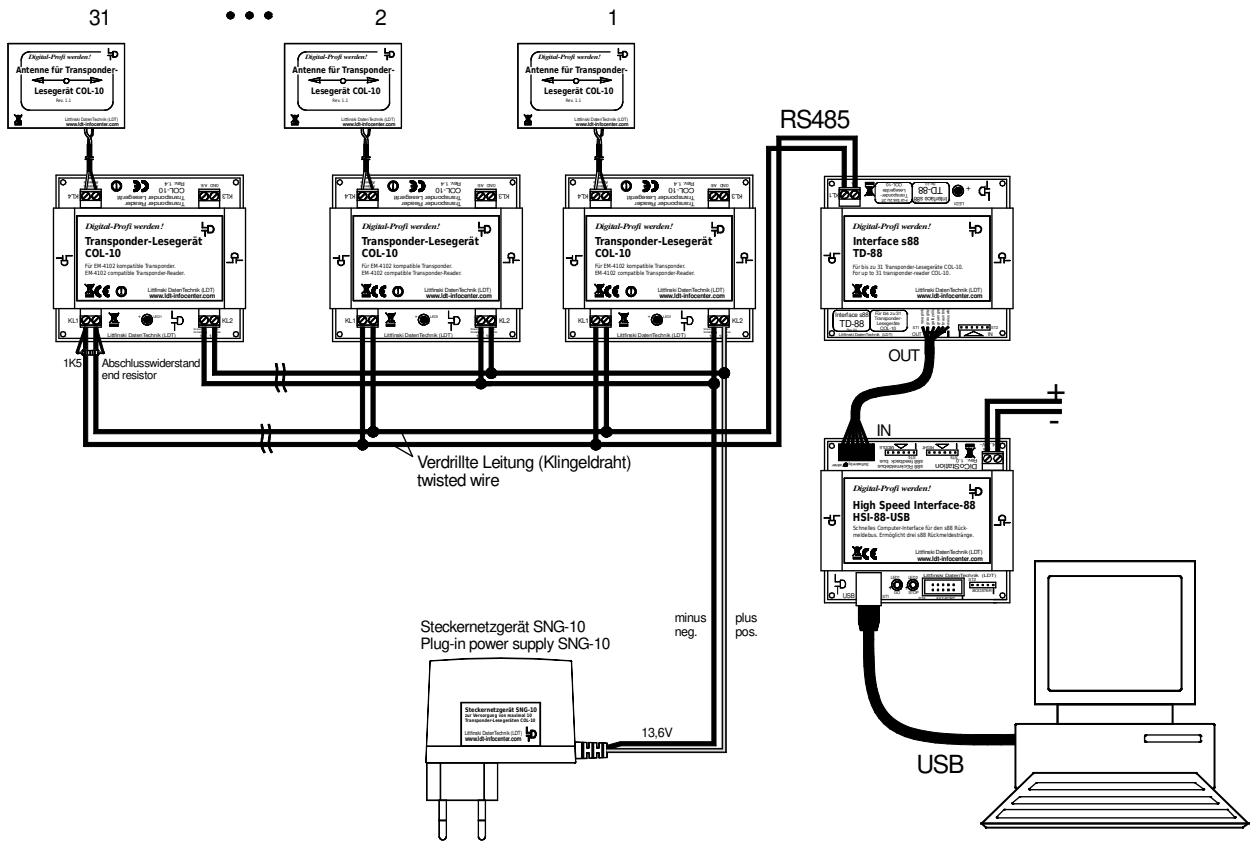
The **drafts** at the rear side of this instruction **are showing** the **correct wiring**.

On our web-site **(www.ldt-infocenter.com)** you can find **colored wiring-samples** on the page "**Downloads**" and "**Sample Connections**" for downloading.
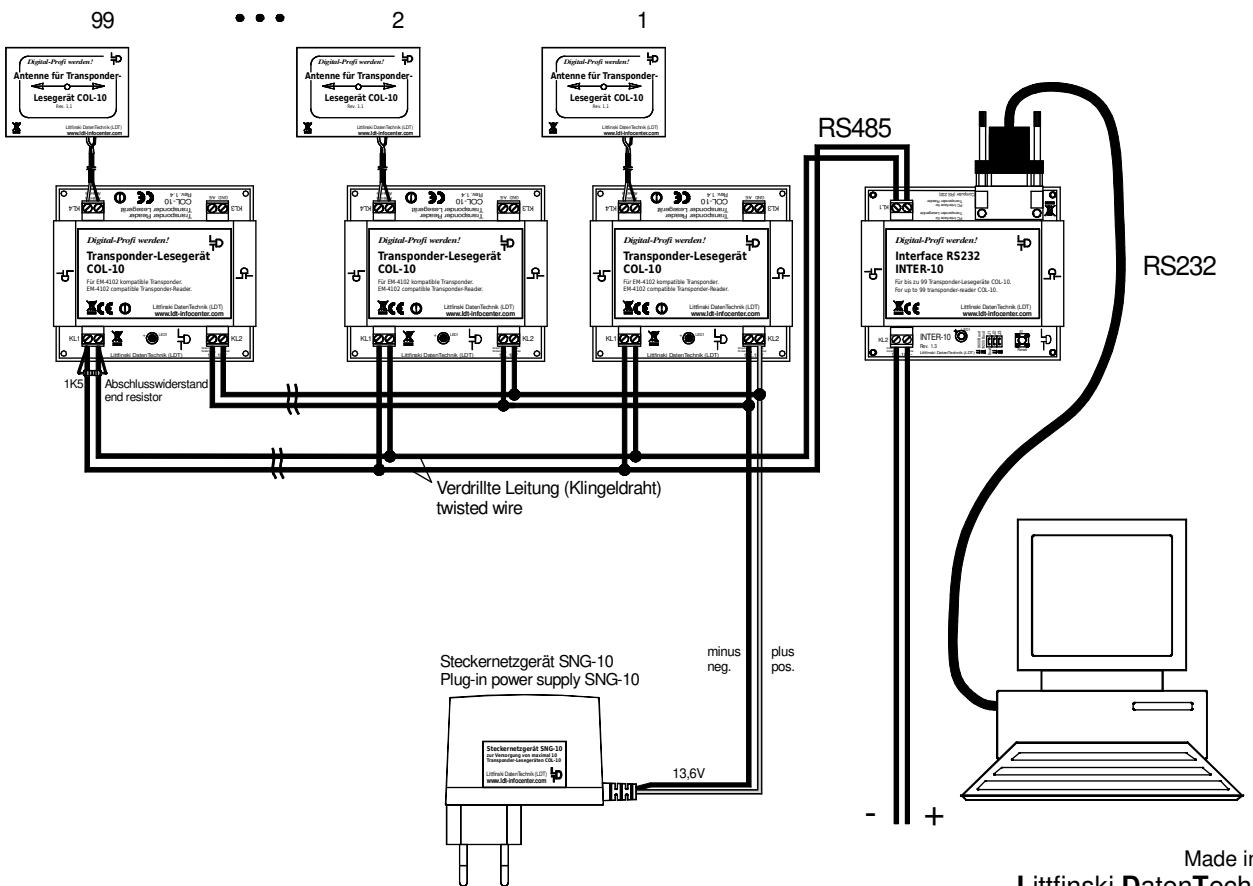
Attention: During switching-on the transponder reading system is it important that the **Transponder-Readers COL-10** have to get the power supply **simultaneously** (e.g. by a **power distributor**) or even better before **the Interface TD-88** or the **INTER-10**.

Steckernetzgerät SNG-10
zur Versorgung von maximal 10
Transponder-Lesegeräten COL-10

Littfinski DatenTechnik (LDT)
www.ldt-infocenter.com

LD
T

+
−

Picture 1: Up to 31 transponder-reader devices can be connected to an s88-Interface **TD-88**. Each **Plug-In Power Supply Device SNG-10** can supply up to **10 Transponder-Readers COL-10.**

RS485

31 • • • 2 1

Antenne für Transponder-Lesegerät COL-10

Transponder-Lesegerät COL-10

Interface s88 TD-88

High Speed Interface-88 HSI-88-USB

OUT

IN

USB

1K5 Abschlusswiderstand end resistor

Verdrillte Leitung (Klingeldraht) twisted wire

Steckernetzgerät SNG-10 Plug-in power supply SNG-10

minus neg. plus pos.

13,6V

Picture 2: Up to 99 transponder-reader devices can be connected to the PC-Interface **INTER-10.** Each **Plug-In Power Supply Device SNG-10** can supply **10 Transponder-Readers COL-10**.

RS485

99 • • • 2 1

Antenne für Transponder-Lesegerät COL-10

Transponder-Lesegerät COL-10

Interface RS232 INTER-10

RS232

1K5 Abschlusswiderstand end resistor

Verdrillte Leitung (Klingeldraht) twisted wire

Steckernetzgerät SNG-10 Plug-in power supply SNG-10

minus neg. plus pos.

13,6V

- +