



Permanent-Power-Switch-Unit

from the *Digital-Professional-Series* !

DSU Part-No.: 700012

for magnet accessory-decoder

QS-DEC-II and S-DEC-4

>> finished module <<

- ⇒ **Bistable relay with two switch contacts for a maximum current load of 2*2 Ampere.**
- ⇒ **Suitable for each output of the magnet accessory-decoder QS-DEC-II and S-DEC-4.**
- ⇒ **For the switching of turnout-, street- and building illumination.**

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.



Introduction/Safety instruction:

You have purchased the Permanent-Power-Switch-Unit **DSU** for your model railway.

The Permanent-Power-Switch-Unit **DSU** is a high quality product that is supplied within the *Digital-Professional-Series* of Littfinski DatenTechnik (LDT).

We wish you having a good time using this product.

The Permanent-Power-Switch-Unit **DSU** comes with a **2 years limited warranty**.

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

Function:

Information for switching the digital systems are active as long as the respective key of the keyboard will be pressed.

On this way is it possible to operate turnouts, signals or uncoupling devices by repeated pressing the key.

If a standard mono-stable relay has been connected to the decoder output this relay will be activated for the duration of pressing the key only. This relay can not be used for street-, building or turnout illumination.

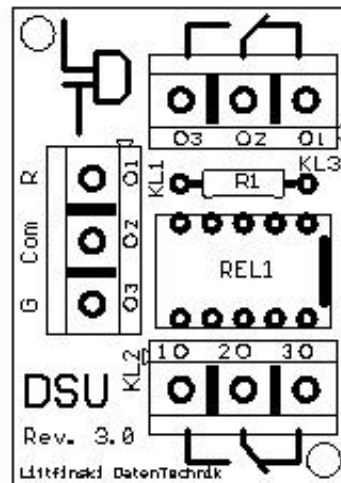
For such applications is it suitable to use the Permanent-Power-Switch-Unit **DSU** because this unit includes a bistable relay.

A short impulse will switch this relay over into the secondary switch position and remains there even without voltage at the switch contacts.

Connecting the Permanent-Power-Switch DSU to the magnet accessory-decoder:

Attention: Before starting the installation switch off the drive voltage by pushing the stop button or disconnect the main supply.

Connect the Permanent-Power-Switch Unit **DSU** to an output of a magnet accessory-decoder QS-DEC-II or S-DEC-4 as per advice on the backside of this instruction.



The clamp KL1 on the left side of the **DSU** marked "G", "COM" and "R" shall be used for this connection.

Connect "G" with "G/green(grün)" at the decoder output and "R" with "R/red(rot)".

The connection at the **DSU** marked with "COM" shall be connected to the middle connection of the decoder output.

The bistable relay of the Permanent-Power-Switch-Unit **DSU** contains two switch over contacts at the clamps KL2 and KL3 (upper and lower position). Each switch contact can cover a maximum load of 2 Ampere.

The common contact of the switch (blockpole) is always the middle contact of the **DSU** output clamps.

With respect to the required power load of the consumers the output can be connected to one or to both clamps.

Further products within the *Digital-Professional-Series*:

M-DEC

4-fold decoder for motor driven turnouts (Conrad, Hoffmann, Fulgurex etc.) With free programmable decoder addresses and possible external power supply.

SA-DEC-4

4-fold switch decoder with 4 bistable relays of 4 Ampere switching load each. With free programmable decoder addresses.

RM-DEC-88 / RM-DEC-88-Opto

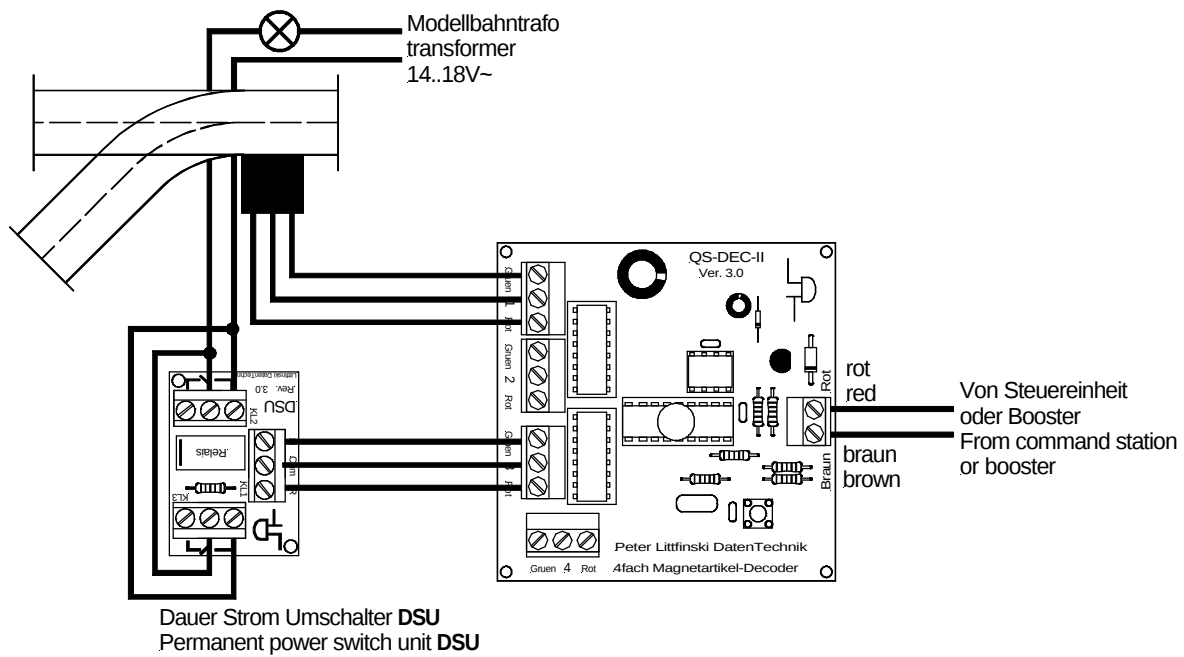
16-fold feedback module (also with integrated opto coupling) for the s88-feedback bus for the connection to **Memory** und **Interface** (Märklin / Arnold) or **Intellibox** respectively **TWIN-CENTER** and **High Speed Interface HSI-88**.

RM-GB-8

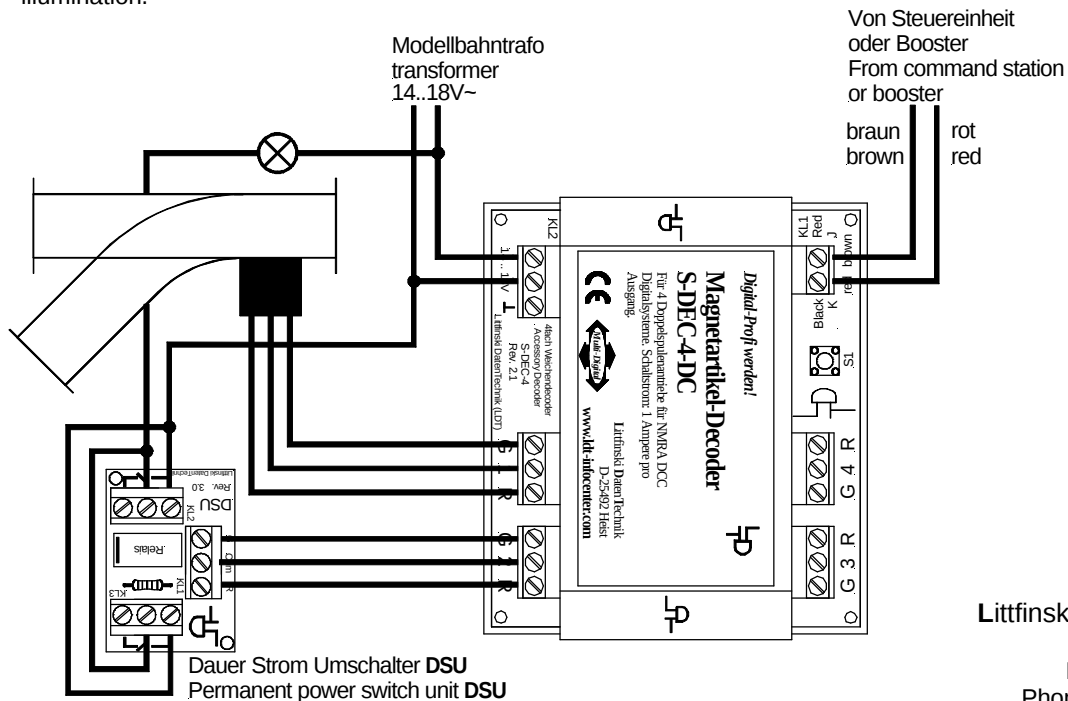
8-fold feedback module with integrated track occupancy detectors for the s88-feedback bus..

All components are available as easy to **assemble kits**, as **finished modules** or as **finished modules in a case**.

Picture 1: Permanent-Power-Switch-Unit **DSU** at output 3 of the magnet-accessory decoder QS-DEC-II for switching the turnout illumination.



Picture 2: Permanent-Power-Switch-Unit **DSU** at output 2 of the magnet-accessory decoder S-DEC-4 for the switching the turnout illumination.



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