



Decoder-Case

from the *Digital-Professional-Series* !

LDT-01 Part-No.: 000104

Suitable for the LDT-Decoder:

- ⇒ 4-fold turnout decoder S-DEC-4 / 1-DEC-DC
- ⇒ 4-fold switch decoder SA-DEC-4
- ⇒ 4-fold decoder for motor driven turnouts M-DEC
- ⇒ DigitalBooster DB-2 / Adap-CDE / Adap-Roco
- ⇒ 16-fold feedback module RM-88-N / RM-88-N-O
- ⇒ Booster Keep Separate Module BTM-SG
- ⇒ Reverse-Loop Module KSM-SG
- ⇒ 4-fold light-signal decoder LS-DEC
- ⇒ 4-fold train influence module ZBM
- ⇒ 16-fold feedback module RS-16-O
- ⇒ HSI-88(-USB) and Data switch DSW-88-N
- ⇒ WatchDog-decoder WD-DEC
- ⇒ TrainDetect-88 TD-88 / Transp. reader COL-10
- ⇒ Track occupancy detector GBM-8
- ⇒ DiCoStation and KeyCommander KeyCom
- ⇒ TurnTable-Decoder TT-DEC / TT-DEC-R
- ⇒ SupplyBox SB-4

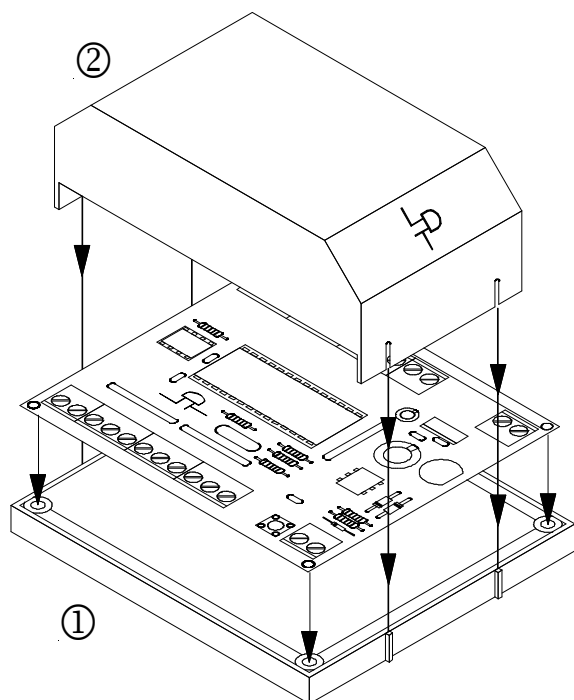
This product is not a toy! Not suitable for children under 14 years of age!
The kit contains small parts, which should be kept away from children under 3!
Improper use will imply danger of injuring due to sharp edges and tips! Please store this instruction carefully.



Introduction:

You have purchased the case **LDT-01** for your model railway which is supplied within the assortment of Littfinski DatenTechnik (LDT).

- The case is suitable for the installation of many LDT components from the *Digital-Professional-Series* !



Installation of the decoder:

The case consists of a **lower** ① and a **upper cover** ②. The printed circuit board of the decoder shall be placed into the lower case. The upper case can be easily closed over the pc-board by **snap locks**. The **connection clamps** and the **operating devices** (as per respective decoder: program push button, plug-connectors or bridge-plugs) will be **free accessible**.

Please copy the **rear side** of the installation instruction, **cut out** the **suitable label** for your decoder and stick it on top of the upper casing.

Further Products from our *Digital-Professional-Series*:

S-DEC-4

4-fold turnout decoder for four magnet accessories and 1 Amp. switching power each. With free programmable decoder addresses and possible external power supply.

M-DEC

4-fold decoder for motor driven turnout-drives (Conrad, Hoffmann, Fulgurex and others) with free programmable decoder addresses and possible external power supply.

SA-DEC-4

4-fold switch decoder with 4 bistable relays and 4 Amp. switching power each. With free programmable decoder addresses and possible external power supply.

RM-88-N / RM-88-N-O

16-fold feedback modules (also with integrated opto-coupling) for the s88-feedback bus for the connection to **Memory** and **Interface** (Märklin / Arnold), Central Station 1 and 2, ECoS, Intellibox respectively **TWIN-CENTER**, **EasyControl**, **DiCoStation** and **HSI-88**.

RM-GB-8-N

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

RS-8

8-fold feedback module with integrated track occupancy feedback and voltage monitor for the RS-feedback bus.

DB-2

Short circuit protected **DigitalBooster** (Märklin-Motorola- and DCC-Format) for **Control Unit**, **Intellibox**, **TWIN-CENTER**, **EasyControl**, **ECoS**, **DiCoStation**, **KeyCom** and PC-Direct control DIGITAL-S-INSIDE.

HSI-88(-USB)

High Speed Interface for the s88-feedback bus. Offers the possibility to create three s88-feedback lines. The feedback reports will be transmitted directly via the digital central unit to the PC via the serial COM- or USB-port.

WD-DEC

The WatchDog-Decoder stops automatically all trains in case of a PC or digital central-control-unit brake down.

All products can be purchased as easy to **assemble complete kits** or as ready **finished modules** or **finished module in a case**.

Made in Europe by
Littfinski DatenTechnik (LDT)
Kleiner Ring 9
D-25492 Heist/Germany
Phone: 0049 4122 / 977 381
Fax: 0049 4122 / 977 382
Internet: <http://www.ldt-infocenter.com>

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Decoder of single coil turnouts: 1-DEC-DC

4-fold decoder of DCC digital systems.
Current load: 1 Ampere max.on each output.



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SupplyBox SB-4

4-fach Spannungsverteilung vom Schaltnetzteilen.
4-fold voltage distribution from switching power
supplies.



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Decoder for motor (turnout-) drives: M-DEC-MM

4-fold decoder of Märklin-Motorola digital systems.
Motor current: 1 Ampere max.on each output.



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Decoder for motor (turnout-) drives: M-DEC-DC

4-fold decoder of DCC digital systems.
Motor current: 1 Ampere max.on each output.



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Turnout Decoder S-DEC-4-MM

For 4 twin-coil drives of Märklin-Motorola digital systems. Current load: 1 Ampere max. on each output.



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Turnout Decoder S-DEC-4-DC

For 4 twin-coil drives of DCC digital systems. Current load: 1 Ampere max. on each output.



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Light-Signal Decoder LS-DEC

Realistic switching of light-signals with light emitting diodes direct via decoder addresses.



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Data Switch DSW-88-N

Data switch for the s88-feedback bus.



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High Speed Interface-88 HSI-88

Fast computer-interface for the s88-feedback bus. Up to 3 feedback lines a possible.



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Feedback Module RS-16 Opto

16 galvanic separated feedback inputs for the RS-feedback bus.



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TurnTable-Decoder TT-DEC

(DCC and Märklin-Motorola)

For Fleischmann-Turntables 6052, 6152, 6154, 6651, 9152, 6680 (each with and without "C"), 6652 (with 3-rail conductor), Roco 35900 and Märklin 7286.



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TurnTable-Decoder TT-DEC-R

(DCC and Märklin-Motorola)

For Roco H0 Turntable 42615.



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Switch Decoder SA-DEC-4-MM

With 4 bistable relays for Märklin-Motorola digital systems. Current load: up to 4 Ampere each output.



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Switch Decoder SA-DEC-4-DC

With 4 bistable relays for DCC digital systems. Current load: up to 4 Ampere each output.



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Train-Influence Module (4-fold) ZBM

Switches off the drive current from the track-section in front of a red light-signal.

Suitable for light-signal decoder LS-DEC.



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Watch-Dog Decoder WD-DEC

Switches power off the tracks and stops all trains by the occurrence of computer problems.



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Interface s88 TD-88

Für bis zu 31 Transponder-Lesegeräte COL-10.
For up to 31 transponder-reader COL-10.



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Adap-CDE Booster adapter

for the operation of up to 10 digital booster DB-2
on each adapter on DCC-central units with
CDE booster connection.



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Transponder-Reader COL-10

Für EM-4102 kompatible Transponder.
EM-4102 compatible Transponder-Reader.



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Adap-Roco Booster adapter

for the operation of up to 10 digital booster DB-2
on each adapter on a Roco digital central unit
(e.g. 10761/10764).



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DigitalBooster-2 DB-2

2,5 Ampere Booster for the digital format
Märklin-Motorola, mfx®, M4 and DCC.



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Feedback Module RM-88-N

16 feedback inputs for the
s88-feedback bus.



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8-fold track occupancy detector GBM-8

For the direct connection to the feedbackmodule
RM-88-N-O / RM-DEC-88-O and Roco 10787.



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Feedback Module RM-88-N-Opto

16 galvanic separated feedback inputs
for the s88-feedback bus.



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KeyCommander KeyCom

Digital switching of turnouts and signals via push-button.



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Booster Keep Separate Module BTM-SG

Automatic Booster rail-separation
via sensor tracks.



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Reverse-Loop Module KSM-SG

Short free reversion through sensor tracks.
Kurzschlussfreie Umpolung über Sensorgleise.



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