

Model railway electronic

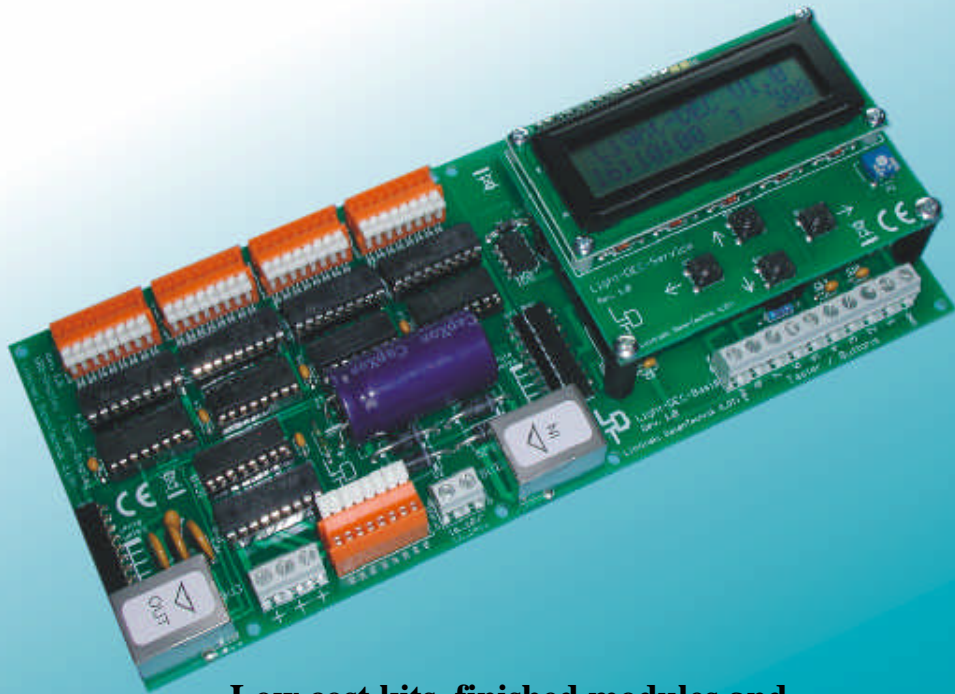
Components for digital switching and feedback monitoring on digital model railways!



Be a Digital-Professional! *Novelties 2016*

Light-DEC: Universal Layout-Light-Control for analogue and digital model railway layouts.

Light functions will be assigned to up to 160 light outputs for the automatic control of the typical daily light routine or for activating and deactivating with keys or DCC-commands.



Low cost kits, finished modules and finished modules in a case

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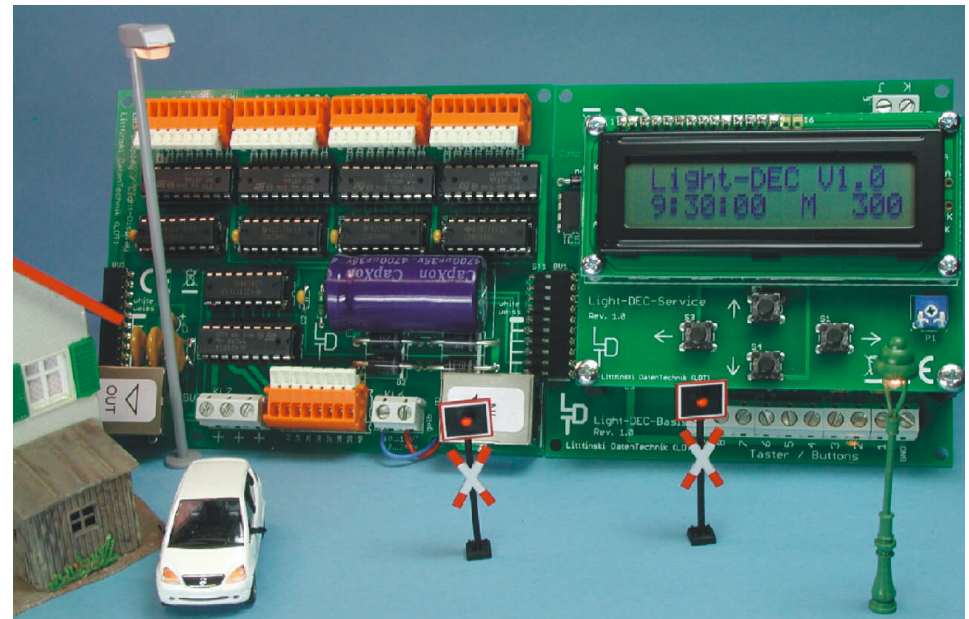
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Light-DEC

Universal Layout-Light-Control for analogue and digital Model Railways.



The illumination at a Model-Railway-Layout can be simply switched on- and off by using push button keys. For the individual Flashlight- and Chase-Lighting-Function are several single electronic components from different supplier available which can be activated as well by switches. On that way will be the illumination of the model railway-daily routine controlled manually by the Model-Railroader or is permanently switched on.

Automatization of the Layout-Light-Control during the Modell-Railway daily light routine:
For the automatization of light-functions for the daily light routine we have already the Layout- and Ambient-Light-Control Light@Night within our program which serves this issue via a PC-Software.

We are extending our program with the Novelty 2016 Light-DEC with a self-sufficient Layout-Light-Control which can operate as well without PC or Digital Command Station. With Light-DEC you get a universal solution to distribute up to 44 light-functions on max. 160 light-outputs which can be switched specific automatically on- or off during the running day time. If you need more than 160 light outputs you can install further Light-DEC Systems. The daily light routine consists of the four daily-phases: daybreak, day, twilight and night. For each day-phase can be start-time and a time-factor individual adjusted. Via the time-factor will be the time of the day-phase accelerated. Sense of the time-factor is, to reduce the time of the model-day.



Model railway days have mostly the length of 15 to 60 Minutes. On model railway exhibition layouts is the length of a model-day mostly 15 Minutes, 10 Minutes day and 5 Minutes night.

The Model-night is visual impressive but the many interesting designed details of the layout can only be registered during a longer bright phase.

With Light-DEC you can optimal simulate this sequences on your model railway layout.

The Light-Control Light-DEC can automatically start as soon as the voltage will be supplied. It is as well possible to start or stop via an external push-button or switch. The start-time can be free selected.

There are 8 clamps available for push-buttons or switches for activating or deactivating selected light functions.

Light-DEC is as well a product from our Digital-Professional Series and contains therefore a digital input:

Therefore you will have the possibility to start and stop the Layout Light Control Light-DEC via a DCC-command. Light-DEC can be activated with this command e.g. from the Model railway control software. Therefore will be the model-railway-time within the software and within the layout-light-control synchronized.

Light-functions can be as well switched on or off via DCC-commands. On this way will be for example the flash-light of a railway crossing activated or deactivated from the digital command station or from the model railway control software.

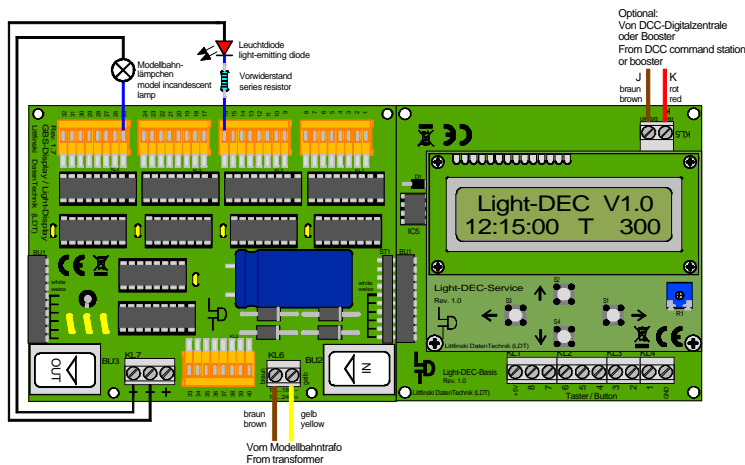
The Layout Light Control Light-DEC is modular designed and can be therefore optimal adapted to any layout size and to any individual requirement at very low cost.

It consist of the new Light-DEC-Basis-Module (at the picture right)

and minimal one Light-Module (Light-Display –at the picture left - or Light-Power) which has to be connected at the side of the Basis-Module.

Light-Display-Modules have 40 outputs which supply a current of up to 0.5 Ampere. They are optimal for the application of model incandescent lamps and LED.

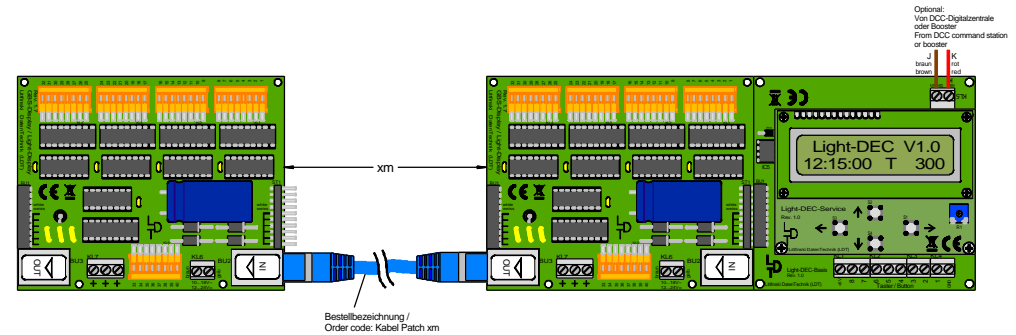
Light-Power-Module with 24 outputs supply a maximum current of 2.5 Ampere each output. With reason of the high output current they are suitable to switch a great number incandescent lamps e.g. light-poles for road illumination at the same time.



With one Light-DEC Basic-Module can be up to 160 Light outputs via maximal 7 Light-Modules controlled. In this process is it possible Light-Display- and Light-Power-Modules combined as required.

All Light-Modules can be directly connected to each other.

If the Light-Modules shall be installed at longer distances for getting them closer to the light sources they shall be connected to each other with screened interference protected Patch-Cable (Computer Network cable).



There are 44 Light functions (e.g. neon light, flash light, running light, traffic lights, rail crossing, television set, welding arc, car direction indicator, house illumination, fair places) for selection available, which can be individual assigned to the outputs of the Light-Modules.

The Light-DEC Basic-Module contains a Display and 4 push buttons, for adjusting all settings at a clear motion.

During operation will be the actual model time indicated at the display. Additionally can be the day phase and the related time factor indicated.

For the voltage supply of the Layout-Light-Control Light-DEC are model railway transformers and DC-Current switched mode power supplies suitable.

Order code:

Light-DEC-Basis-B (Part-No.: 810221): Basic-Module for the Light-Control Light-DEC as a kit.

Light-DEC-Basis-F (Part-No.: 810222): Basic-Module for the Light Control Light-DEC as a finished module.

Light-Display-B (Part-No.: 050031): Light-Display-Module with 40 outputs with 0.5A each as a kit.

Light-Display-F (Part-No.: 050032): Light-Display-Module with 40 outputs with 0.5A each as a finished module.

Light-Power-B (Part-No.: 050061): Light-Power-Module with 24 outputs with 2.5A each as a kit.

Light-Power-F (Part-No.: 050062): Light-Power-Module with 24 outputs with 2,5A each as a finished module.

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