

**Power-Saving Light Controller with enhanced Flicker  
Suppression, CL60014**



Dear customer,

This light controller represents an expansion and improvement to our CL60000 module.

The controller has been developed with the following objectives:

- Constant and timely activation of the lamps from a power level of approx. 5 volt
- Power-saving light control, avoiding unnecessary electricity consumption and the need for a cooling plate
- Minimal space requirement
- Simple connection via screw terminals
- Integration of a storage module which stores voltage while the train is in motion. In most instances, this enables flickering or failure of the lighting to be avoided when passing over frog points and dead areas of track.

All these objectives have been attained with our article CL60014.

With only 4 terminals, one metal wheel set with current collector (LE67403), the appropriate 5 volt lamps and the holders (please ask for the different items and their numbers), your carriages can be adapted for constant, power-saving 5 volt lighting.

**Package contents:**

1 p.c. board with  
installation instructions

**Technical data:**

Input voltage:	Output voltage	
Maximum current		
0-24 volt	approx. 6,4 volt	approx.
0,2 ampere		

**Note:**

Please read the description below carefully before commencing installation. ⚠ Save the **installation instruction**. This product is not for children under 14 years of age. This product has small parts, sharp parts and moving parts.

**Modification/Installation:**

After fitting your carriage with the above-mentioned metal wheels, you can install the voltage stabiliser in the carriage roof or on the arch of the carriage, e.g. under a seat, using the holes and screws provided in the p.c. board.

- The connection points for the wires leading from the track to the carriage are screwed onto the screw terminals marked "0-24V".
- The connection points for the interior lighting are to be connected to the screw terminals marked "5V light".

As our voltage stabiliser is suitable for **up to 6 lamps**, it is also possible to supply an **entire train** via one module. For this purpose, you simply need to connect a 2-core supply cable from the output of the voltage stabiliser to the power-consuming units.



Gleis / Track 0-24V=

5V-Licht / -Light

Should you discover a fault in the fabrication despite a careful final inspection, please return this item to your dealer, together with a description of the fault and your receipt, or send the component directly to us. Any charges relating to the return of this item will have to be borne by you! You will find us on the Internet under <http://www.champex-linden.de>.

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