

## Engine Start Delay CL60062

Dear Customer!

The engine start delay available to you has specifically been developed for installation in LGB locomotives. With the help of this component, you will be able to change the starting course of your locomotive and to adjust it to other locomotives.

### Packing contents:      Technical data:

1 circuit board with  
installation  
instructions

Supply by means of d.c., a.c. and digital voltage possible!

Input: 0-24 Volt

Adjustable delay value: approx. 3 - 10 Volt

Loading capacity: 3 Ampere (depending on cooling) for a max. of 2  
engines

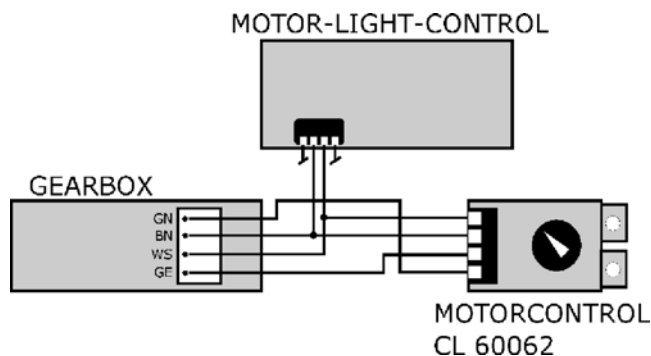
### Note:

Please read the following description carefully before starting with the installation. Please also note that both controlling transistors need to be cooled on a cooling plate or lead weight inside the locomotive.

Please do not make any changes to the circuit board and, in particular, refrain from drilling, soldering etc., as this may lead to destruction.

### Modification/installation:

Wire the module in accordance with the attached drawing:



*The electronic circuit board inside the locomotive is called "Motor-Light- Control"!*

*Gearbox = LGB engine unit!*

The "green" and "yellow" cables are undone at the engine/light control plug and, since they are not needed as per the drawing, are therefore insulated. The "brown" and "white" cables are connected with circuit board CL60062 as per drawing. Here, it is essential that you install the module with both control transistors on a lead weight or cooling plate. Only in this way can the resulting heat be completely carried off. Should you retrofit a 2-engine locomotive, please remember to connect the 2<sup>nd</sup> gear unit to the engine control CL60062 as well.

Should you discover a fault despite of a careful final inspection after manufacture, 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 our address on the packaging or on the Internet at <http://www.champex-linden.com>