

Whistle modules CL61000-61009

Dear Customer,

Our whistle modules were specially developed for retrofitting LGB engines that, for various reasons (e.g. lack of space, etc.), are not fitted with sound electronics. With the help of our new whistle modules, you can now technically upgrade these vehicles with little effort, thereby increasing their attractiveness. Please note that only one special function (at your option) can be set off in digital operation.

Packaging contents:

1 board with installation
instructions
1 loudspeaker
1 reed contact board

Technical data:

Supply with d.c., a.c., and digital voltage possible!

Input: 0-22 volt = (d.c. voltage)
0-18 volt ~ (a.c. voltage)

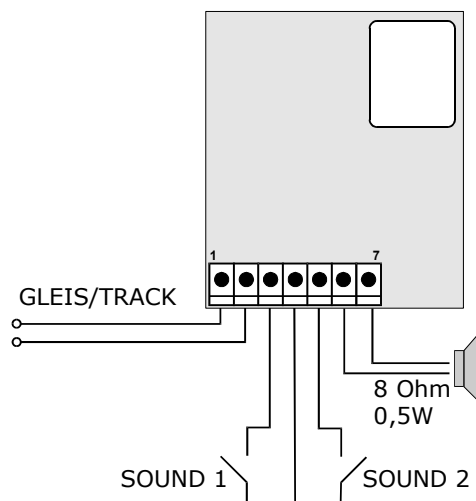
Note:

Please read the following description carefully before starting with the installation. Please do not make any changes to the board and, in particular, refrain from welding since this would result in an expiry of your warranty claim. **CE** Not suitable for children under 14 years. Contains small parts. Improper use may cause injuries through functional sharp edges and points. Please retain these instructions for use!

1. Retrofitting/installation in engines/carriages (analogue operation):

Wire the component as per the following drawing. Clamps 1 and 2 are used for the power supply of the module. With engines, power is supplied via connections **br** (brown) and **ws** (white) on the gear unit of your LGB engine. Should the module be fitted in freight or passenger cars, use the LGB ball bearing wheelsets with power supply (LE67403). Clamps 3-5 are used to connect the flat strip cable to trigger the two special functions. The sounds are set off by means of the LGB track magnets in the tracks (LE17050). Depending on the position of the magnet in the tracks (left or right), one of the special functions will sound. Clamps 6 + 7 are used for the connection of the loudspeaker. The volume can be set via the potentiometer on the board. In order to be able to trigger the special functions accurately even with low travelling voltages, a 9 volt compound battery needs to be connected!

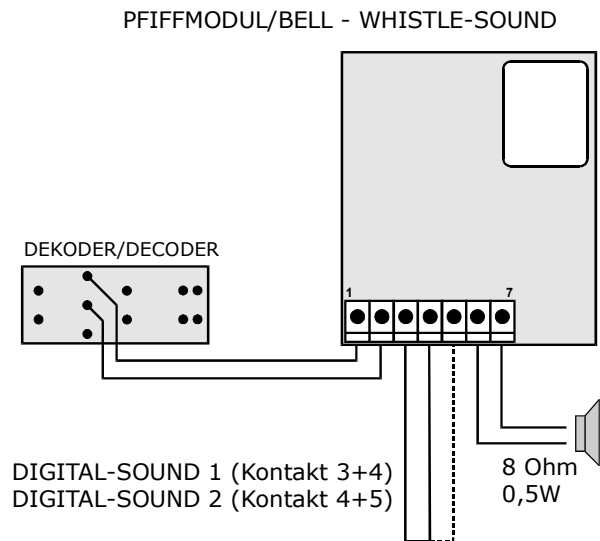
PFIFFMODUL/BELL - WHISTLE-SOUND



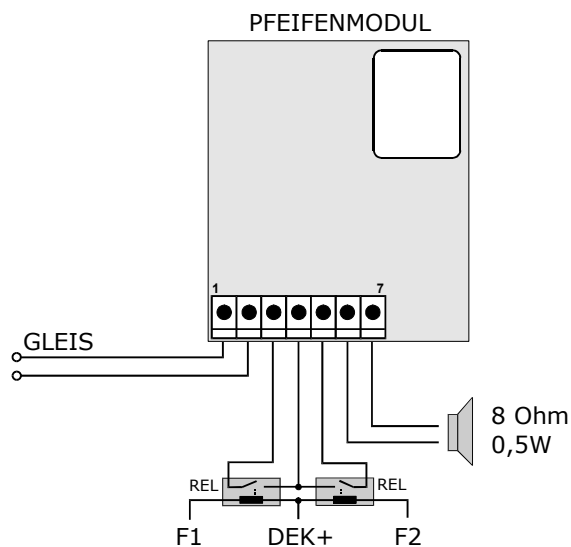
2. Retrofitting/installation in engines/carriages (digital operation):

Wire the component as per the following drawing. Clamps 1 and 2 are connected to the F1 output of the LGB decoder (LE55020). Instead of the F1 output on the LGB decoder, you can also use any other connection output of other DCC decoders with a capacity of at least 250 mA.

Since you will only be able to set off one special function in digital operation, you can either bypass clamps 3 + 4 (for special function 1) or clamps 4 + 5 (for special function 2). Clamps 6 + 7 are used for the connection of the loudspeaker. The volume can be set via the potentiometer on the board. With digital operation, there is no need to connect a 9 volt compound battery. Therefore the battery clip can be insulated. When using other MZS decoders (e.g. Zimo, Heller, etc.), you can also connect the module attached to clips 1 + 2 to the track voltage of the decoder and replace both reed contacts with corresponding relays. A connection drawing will soon be available on request!



3. Retrofitting/installation in engines/carriages (digital operation) with relais 24V):



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!

Further information on our products can be found on the Internet under <http://www.champex-linden.de/>

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