

## Assigning addresses of the feedback module RS-8 with Lenz-Manual Control LH101

**Addresses** for feedback tasks at the *Digital plus by Lenz*®-System are located in the **area** from **1** to **128**. To assure an explicit feedback each address can only be assigned once. In addition, the feedback addresses area are subdivided. Area **1** to **64** is reserved for **turnout decoders with feedback function**. Feedback modules like the **RS-8** should therefore be addressed in the area between **65** and **128** to avoid overlapping.

Therefore the LDT **RS-8** feedback module is delivered with the default address **65**. To change the address the RS-8 is equipped with a **programming key S1** and a **red light diode**. By pushing the **programming key** once, the diode will **flash** which means that the **RS-8** is **ready for programming**.


Programming mode will only work, if the **J** and **K** clamps at **IN1** and **IN2** of the 20-pole clamp block are properly connected to the **digital circuit** of the central unit. If there will be a **LZV100** used for the programming the connection has to be done according to the clamp identification. By using a **LZV200** the connection at the clamps **J** and **K** have to be exchanged.

For the address programming will be a control command for magnetic article used. To indicate how the manual controller LH101 generates this command we quote below the operation manual<sup>1</sup> of the unit:

Action

Display

Explanation



Initial position of the manual controller is the function "Controlling locomotive".

γr



Use the **'points/signals'** key to change to the menu for switching points and signals.

The locomotive address currently used, including its direction and speed step, are displayed in the top line of the display.


1



Start to enter the address.

2



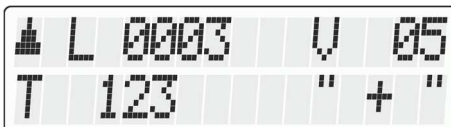
If you enter a wrong address, use the  key to delete the entered digits.

3



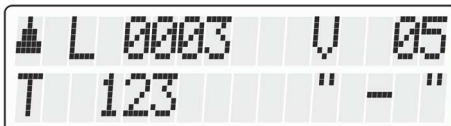
Continue until you have entered the last digit.

γr



Press the **'points/signals'** key again to confirm your entry. A + or a – after the point address indicates its setting.

M



Press the **'M'** key to change the point/signal setting.  
If the feedback module has stored the address the red LED will shortly flicker and go out. The module has been programmed!



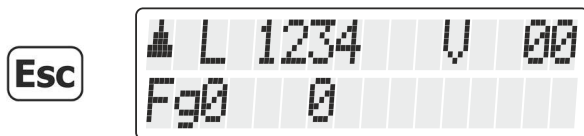
Press the '**Esc**' key to complete the **switching of points and signals**.

For checking the reports of a feedback module on the manual controller LH101 change to the operation mode "**Displaying feedback**":

Action	Display	Explanation
		Initial position of the manual controller is as well the function "Controlling locomotive".
<b>M</b>		Press the ' <b>M</b> ' key. You are offered the option last selected, e.g. multiple traction.
		Turn the rotary knob to display "Feedback showing".
		Press the rotary knob to select the option. You are asked to enter the feedback address.
<b>1</b>		Let us assume that you want to display the 8 digits of feedback address 123.
<b>2</b>		Enter the digits of the feedback address after another.
<b>3</b>		Use the key  to delete or correct your entry.
<b>M</b>		Press ' <b>M</b> '. The manual control checks the status of the feedback module with the command station and displays the result. The top line displays the address of the read- out feedback module. The bottom line displays the active feedback contacts.
		Now can be the feedback module respectively the wiring tested by contacting the clamp or the rail-section e.g. with a model railway lamp. At this sample are the rail sections 1, 3, 4, 6 and 8 occupied.

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Press the '**Esc**' key to return to "Controlling locomotive".

After successful address programming can be the connections **IN1** and **IN2** occupied with various signals within the circuit.

<sup>1)</sup> Operating Manual LH101, Version 1.0, 2<sup>nd</sup> Edition 02 22

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