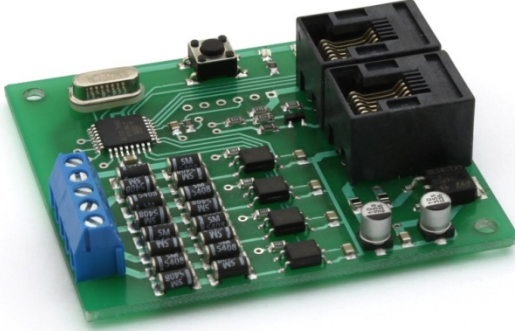
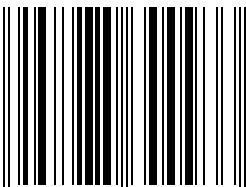


TM-56321



Track occupation feedback (LocoNet)

User's manual



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Safety warning

During the operation of the device the specified technical parameters shall always be met. At the installation the environment shall be fully taken into consideration. The device must not be exposed to moisture and direct sunshine.

A soldering tool may be necessary for the installation and/or mounting of the devices, which requires special care.

During the installation it shall be ensured that the bottom of the device should not contact with a conductive (e.g. metal) surface!

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Properties

- LocoNet system
- Individual input addressing
- Quick programming possibility
- Integrated interference suppression on inputs
- High current capacity
- No need of external power source

Technical parameters

Idle mode current consumption: 20 mA

Max. current consumption: 35 mA

Max. load current of the outputs: 1A / section

Dimensions: 63x56 mm

Short description

The module connected to the rail sections reports the occupation of the given track section by usual "Feedback" commands towards the digital centre. Due to the integrated interference filtering the possible contact faults of the vehicle passing along the section will not cause false occupation feedback.

Wiring

The module senses track occupation on the basis of the current passing along it, thus the supply current of each section shall be passed through a feedback module (Figure 1)

If wiring is correct, in case the B1-B4 sections shown in the drawing are occupied, the B1-B4 LEDs will light indicating the section occupation.

Programming

The feedback address belonging to the section outputs can be selected between 1 and 2047. During programming the feedback module can be addressed by means of usual switch operating commands.

Programming steps:

1. Keep the "PROG" button pressed for two seconds.
2. Flashing of the LED "B1" indicates waiting for feedback address.
3. In the digital centre: set the switch address equal to the feedback address.
4. In the digital centre: send the switch operating command (to any direction).
5. After successful address acceptance the LED "B2" will flash.
6. Repeat the steps in 3 and 4 also for LEDs "B3" and "B4".
7. At the programming of the last address each LED will automatically dark. Programming was successful.

If the address belonging to the given section ("B1"- "B4") need not be modified, it is possible to skip to the address setting of the next section if the "PROG" button is shortly pressed.

Guarantee and legal statement

Each parameter of the device was submitted to comprehensive testing prior to marketing. The manufacturer undertakes one year guarantee for the product. Defects occurred during this period will be repaired by the manufacturer free of charge against the presentation of the invoice.

The validity of the guarantee will cease in case of improper usage and/or treatment.

Attention! By virtue of the European EMC directive the product can be used solely with devices provided with CE marking.

The mentioned standards and branch names are the trademarks of the firms concerned.

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Figure 1

