

Signalling repeater of the train protection MIREL VZ1

Type **VZ1NO**

illustrative picture

Signalling repeater ensures visual display of transmitted information from track infrastructure to a driver's cab. Moreover, in dependence on working regime it signalizes carrier frequency of the track infrastructure code, remedies that train protection realizes, it displays immediate maximal speed. Signalling repeater serves as well for setting of operative parameters of the train protection by the personal, indication of intervention of the train protection and indication of failure states. Equipment contains indication of transmitted signals, three-places alphanumeric display, 3-button keyboard, 4 indication LED diodes, scanner of lighting intensity. In case, that the equipment is installed in configuration without transmission of signalling signs, it is possible to use signalling repeater without indicators of transmitted signalling signs.



Versions:

| Description | Dimensions [mm] B x H x D | Weight [kg] | Mounting | Indication of signalling signs |
|-------------|------------------------------|-------------|---------------|-----------------------------------|
| VZ1NO.0 | 72x144x64 | 0,290 | into the desk | yes |
| VZ1NO.S | 72x72x64 | 0,200 | into the desk | no |

Modifications:

| Description | Nominal supply voltage [VDC] | Software version | Usage of module NOC |
|--------------|---------------------------------|---------------------|------------------------|
| VZ1NO.0.202 | 24 | 02 | no |
| VZ1NO.0.203 | 24 | 03 | no |
| VZ1NO.0.2C03 | 24 | 03 | yes |
| VZ1NO.0.402 | 48 | 02 | no |
| VZ1NO.0.403 | 48 | 03 | no |
| VZ1NO.0.4C03 | 48 | 03 | yes |
| VZ1NO.S.202 | 24 | 02 | no |
| VZ1NO.S.203 | 24 | 03 | no |
| VZ1NO.S.402 | 48 | 02 | no |
| VZ1NO.S.403 | 48 | 03 | no |

Specifications:

| Number | Version | Title |
|--------|---------|--|
| 257VZ1 | 070525 | Technical conditions for train protection MIREL VZ1- serial usage |
| 759VZ1 | 071210 | Technical description of changes of the train protection MIREL VZ1- integration of functions MÁV Rt |
| 738VZ1 | 071203 | Functional requirements of the train protection and deadman device of MÁV Rt, working based on evaluation of supplied 75 Hz signal |
| 980M | 071214 | Box 72x72 - dimensional drawing |
| 199M | 000000 | Box 144x72 – dimensional drawing |

Usage:

MIREL VZ1 – train protection