

# Signalling repeater of the train protection MIREL VZ1

## Type **VZ1NO**

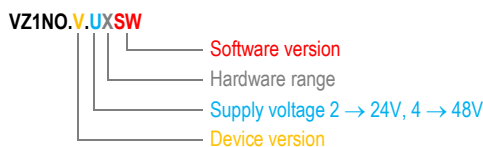
Illustrative pictures

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.

Fixing components are delivered with a product.



### Nomenclature



### Modifications

Description	Supply voltage [VDC]	Software version	Hardware range	Notes
<b>VZ1NO.0.2C04</b>	24	04	module NOC	1), 2), 3), 4)
<b>VZ1NO.0.4C04</b>	48	04	module NOC	1), 2), 3), 4)
<b>VZ1NO.P.2C04</b>	24	04	module NOC	1), 2), 3)
<b>VZ1NO.P.4C04</b>	48	04	module NOC	1), 2), 3)

- <sup>1)</sup> homologated in Slovakia
- <sup>2)</sup> homologated in Czech Republic
- <sup>3)</sup> homologated in Hungary
- <sup>4)</sup> homologated in Poland

### Modifications prepared for new applications

Description	Supply voltage [VDC]	Software version	Hardware range	Notes
<b>VZ1NO.M.2C04</b>	24	04	module NOC	WF793, WF892
<b>VZ1NO.M.4C04</b>	48	04	module NOC	WF892

### Device version

Description	Definition	Indication of signalling signs	Dimensions W x H x D [mm]	Weight [kg]
<b>0</b>	plastic, back mounting, basic execution	✓	72 x 144 x 64	0,3
<b>S</b>	plastic, back mounting, reduced execution	–	72 x 72 x 64	0,2
<b>P</b>	metal, front mounting, basic execution	✓	72 x 170 x 50	0,5
<b>M</b>	metal, back mounting, basic execution	✓	72 x 144 x 50	0,5

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## Specifications

The Catalogue sheet was prepared on the basis of the following specifications:

Number	Version	Title
257VZ1	200401	Technical conditions
1122VZ1	200827	Installation manual
2283M	200930	PPxD Installation conditions
199M	200930	Box 144x72 Installation conditions
980M	200930	Box 72x72 Installation conditions
153VZ1	190111	Operating manual
154VZ1	190111	Maintenance manual, diagnostics

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## Usage

MIREL VZ1 – train protection



### Modifications not recommended for new applications

Description	Supply voltage [VDC]	Software version	Hardware range	Notes	Substitute
VZ1NO.0.202	24	02	–	1)	VZ1NO.0.2C04 <sup>5)</sup>
VZ1NO.0.402	48	02	–	1)	VZ1NO.0.4C04 <sup>5)</sup>
VZ1NO.S.202	24	02	–	1)	–
VZ1NO.S.402	48	02	–	1)	–
VZ1NO.0.2C03	24	03	module NOC	1), 2), 3), 4)	VZ1NO.0.2C04 <sup>5)</sup>
VZ1NO.0.4C03	48	03	module NOC	1), 2), 3), 4)	VZ1NO.0.4C04 <sup>5)</sup>
VZ1NO.S.203	24	03	–	1)	–
VZ1NO.S.403	48	03	–	1)	–
VZ1NO.S.204	24	04	–	1)	–
VZ1NO.S.404	48	04	–	1)	–

<sup>1)</sup> homologated in Slovakia

<sup>2)</sup> homologated in Czech Republic

<sup>3)</sup> homologated in Hungary

<sup>4)</sup> homologated in Poland

<sup>5)</sup> limited substitute