

## Horn of the train protection MIREL VZ1

### Type **VZ1HP, HP**

illustrative picture

Horn of the train protection is primary used for supply of acoustic vigilance call of the train protection. Working frequencies and intensity of the horn is determined by acoustic background in the cab of the locomotive. Horn is designated for installation on control panel with fixing from rear side or front side. It is laid in an aluminium box with terminal board on the back panel. Horn can be used as acoustic indicator of the train protection MIREL VZ1 as a product VZ1HP or in other systems as a peripheral equipment MIREL HP.

Fixing components are delivered with a product.

Given above is not valid for a free-standing equipment, where equipment is fixed by the joint, which is possible to set from -20° up to +130°. Free standing equipment is laid in a plastic box.



#### Versions

Description	Dimensions [mm] B x H x D	Weight [kg]	Single-tone / duo-tone	Mounting
HP.PD	72x72x50	0,25	yes / yes	into the desk, back-fixing
HP.FD	72x100x50	0,28	yes / yes	into the desk, front-fixing
VZ1HP.PD	72x72x50	0,25	yes / yes	into the desk, back-fixing
VZ1HP.FD	72x100x50	0,28	yes / yes	into the desk, front-fixing
VZ1HP.0	109x65x61	0,15	yes / no	free-standing
VZ1HP.D	109x65x61	0,15	yes / yes	free-standing

#### Modifications recommended for new applications

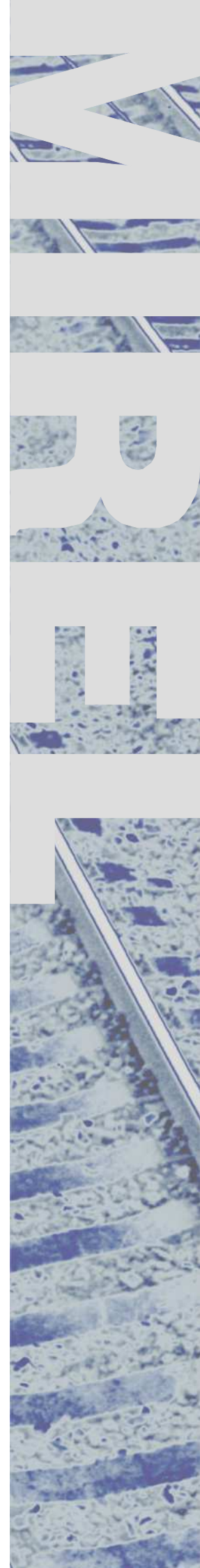
Description	Nominal supply voltage [VDC]	Orientation	Software version	Loudness
VZ1HP.xD.201	24	universal	01	standard
VZ1HP.xD.401	48	universal	01	standard
VZ1HP.xD.201H	24	universal	01	higher
VZ1HP.xD.401H	48	universal	01	higher
VZ1HP.xD.201N	24	universal	01	lower
VZ1HP.xD.401N	48	universal	01	lower
HP.xD.201	24	universal	01	standard
HP.xD.401	48	universal	01	standard
HP.xD.201H	24	universal	01	higher
HP.xD.401H	48	universal	01	higher
HP.xD.201N	24	universal	01	lower
HP.xD.401N	48	universal	01	lower

xD stands for versions PD or FD

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## Specifications

Number	Version	Title
257VZ1	110610	Technical conditions for MIREL VZ1 automatic train protection – serial installation
153VZ1	141119	MIREL VZ1 operating instructions
154VZ1	141119	MIREL VZ1 service manual
2283M	170731	PPxD instalation conditions
222VZ1	110330	VZ1HP.0,D installation conditions
1122VZ1	150603	Installation manual



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**Modifications not recommended for new applications**

Description	Nominal supply voltage [VDC]	Orientation	Software version	Loudness
VZ1HP.D.2L01	24	left	01	standard
VZ1HP.D.2P01	24	right	01	standard
VZ1HP.D.4L01	48	left	01	standard
VZ1HP.D.4P01	48	right	01	standard

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**End-of-Life modifications:**

Description	Nominal supply voltage [VDC]	Orientation	Software version	Loudness
VZ1HP.0.2L	24	left	-	standard
VZ1HP.0.2P	24	right	-	standard
VZ1HP.0.4L	48	left	-	standard
VZ1HP.0.4P	48	right	-	standard
VZ1HP.P.2	24	uni	-	standard
VZ1HP.P.4	48	uni	-	standard

