

Horn of the train protection MIREL VZ1

Type VZ1HP, HP

Illustrative pictures

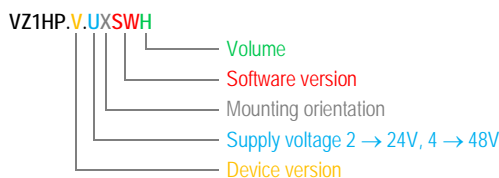
Horn of the train protection is primary used for supply of acoustic vigilance call of the train protection. Working frequencies and intensity of the horn is determined by acoustic background in the cab of the locomotive. Horn is designated for installation on control panel with fixing from rear side 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



Nomenclature



Modifications

Description	Device version	Nominal supply voltage [VDC]	Mounting orientation	Software version	Volume	Notes
VZ1HP.PD.201	PD	24	universal	01	standard	1), 2), 3), 4)
VZ1HP.FD.201	FD	24	universal	01	standard	1), 2), 3)
VZ1HP.PD.401	PD	48	universal	01	standard	1), 2), 3), 4)
VZ1HP.FD.401	FD	48	universal	01	standard	1), 2), 3)
VZ1HP.PD.201H	PD	24	universal	01	increased	1), 2), 3), 4)
VZ1HP.FD.201H	FD	24	universal	01	increased	1), 2), 3)
VZ1HP.PD.401H	PD	48	universal	01	increased	1), 2), 3)
VZ1HP.FD.401H	FD	48	universal	01	increased	1), 2), 3)
VZ1HP.PD.201N	PD	24	universal	01	reduced	
VZ1HP.FD.201N	FD	24	universal	01	reduced	
VZ1HP.PD.401N	PD	48	universal	01	reduced	
VZ1HP.FD.401N	FD	48	universal	01	reduced	
HP.PD.201	PD	24	universal	01	standard	1), 2)
HP.FD.201	FD	24	universal	01	standard	1), 2)
HP.PD.401	PD	48	universal	01	standard	1), 2)
HP.FD.401	FD	48	universal	01	standard	1), 2)
HP.PD.201H	PD	24	universal	01	increased	1), 2)
HP.FD.201H	FD	24	universal	01	increased	1), 2)
HP.PD.401H	PD	48	universal	01	increased	1), 2)
HP.FD.401H	FD	48	universal	01	increased	1), 2)
HP.PD.201N	PD	24	universal	01	reduced	

Description	Device version	Nominal supply voltage [VDC]	Mounting orientation	Software version	Volume	Notes
HP.FD.201N	FD	24	universal	01	reduced	
HP.PD.401N	PD	48	universal	01	reduced	
HP.FD.401N	FD	48	universal	01	reduced	

¹⁾ homologated in Slovakia

²⁾ homologated in Czech Republic

³⁾ homologated in Hungary

⁴⁾ homologated in Poland

Modifications prepared for new applications

No record.

Type of device

Description	Use in MIREL systems
VZ1HP	acoustic indicator in the MIREL VZ1 train protection system
HP	cooperating device in MIREL RM2 and MIREL SHP system

Device version

Description	Dimensions W x H x D [mm]	Weight [kg]	Monotonous / Two-tone	Mounting
PD	72 x 72 x 50	0,25	✓ / ✓	into the desk, back-fixing
FD	72 x 100 x 50	0,28	✓ / ✓	into the desk, front-fixing
P	72 x 72 x 50	0,25	✓ / -	into the desk, back-fixing
F	72 x 100 x 50	0,28	✓ / -	into the desk, front-fixing
O	109 x 65 x 61	0,15	✓ / -	freestanding
D	109 x 65 x 61	0,15	✓ / ✓	freestanding

Specifications

Number	Version	Name
257VZ1	190121	Technical conditions
1122VZ1	200827	Installation manual
222VZ1	110330	VZ1HP.0,D installation conditions
2283M	200930	PPxD installation conditions
153VZ1	190111	Operating manual
154VZ1	190111	Maintenance manual, diagnostics

Použitie

MIREL VZ1 – train protection

MIREL RM2 – integrated on-board system

MIREL SHP – train protection

Modifications not recommended for new applications

Description	Device version	Nominal supply voltage [VDC]	Mounting orientation	Software version	Volume	Notes	Substitute
VZ1HP.D.2L01	D	24	left	01	standard	1), 2), 3)	-
VZ1HP.D.2P01	D	24	right	01	standard	1), 2), 3)	-
VZ1HP.D.4L01	D	48	left	01	standard	1), 2), 3)	-
VZ1HP.D.4P01	D	48	right	01	standard	1), 2), 3)	-

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³⁾ homologated in Hungary