

# The integrated on-board system MIREL RM2

## Type **RM2**

illustrative picture

The integrated on-board system MIREL RM2 is a digital electronic system designed on the basis of the state-of-art electronic parts constructed as a safety device. The used parts base complies with the demand criteria for reliability and robustness. The safety is ensured by the double processor unit, the set of special supervisory circuits, the two-channel measuring of the speed and the two-channel exposure and evaluation of safety relevant signals.

The integrated on-board system MIREL RM2 ensures the following primary functions: measurement of the immediate speed through impulse revolution sensors, measurement of the travelled distance, the control of the train operator's vigilance, the display of the safe digital outputs depending on the immediate speed, the registration of instantaneous velocity and the additional operating and technical data in relation to the time and track's independent scale.

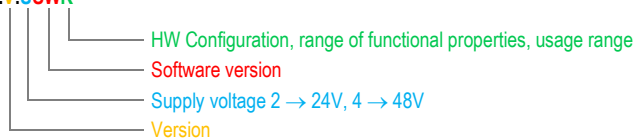
The integrated on-board system MIREL RM2 is constructed as an open system consisting of the safety core and the application-variable extensive modules and cooperating devices. The extensive modules and associated devices allow the additional secondary operations: the variability of the sensed registered data, the display of the binary technology signals based on the distance covered and other operating parameters, functions of the communication gate for the HDV systems, functions of the communication gate for the systems beyond HDV using the GSM technology, the time synchronization and positioning by the GPS technology.

The integrated on-board system MIREL RM2 performs continuous self-diagnostics and enables you to perform functional exam for testing the proper function of the important components of an integrated on-board system MIREL RM2 and cooperating equipment for the vehicle on rails. In addition to carrying out functional tests and prophylactic control, such device is maintenance-free.



### Nomenclature

**RM2.V.USWK**



### Modifications

Designation	Basic unit	Indication unit	Identification unit
<b>RM2.1.201A</b>	RM2ZJ.1.201AAMRL	-	-
<b>RM2.1.201C</b>	RM2ZJ.1.201LCMRBGL	2x RM2IN.S.201A	1x RM2ID.1.201A
<b>RM2.1.201E</b>	RM2ZJ.1.201LCMRBL	2x RM2IN.S.201A	2x RM2ID.1.201A
<b>RM2.1.201G</b>	RM2ZJ.1.201PGMB	2x RM2IN.S.201A	-
<b>RM2.1.201K</b>	RM2ZJ.1.201AJMRLS	-	-
<b>RM2.1.201L</b>	RM2ZJ.1.201BHMRL	2x RM2IN.1.201B	2x RM2ID.1.201A
<b>RM2.1.201M</b>	RM2ZJ.1.201AHMRL	2x RM2IN.1.201B	2x RM2ID.1.201A
<b>RM2.1.201N</b>	RM2ZJ.1.201BKMRLS	1x RM2IN.S.201B	1x RM2ID.1.201A
<b>RM2.1.201P</b>	RM2ZJ.1.201ARMRL	2x RM2IN.S.201A	2x RM2ID.1.201A

Designation	Basic unit	Indication unit	Identification unit
<b>RM2.1.401R</b>	RM2ZJ.1.401LC1MRBL	1x RM2IN.2.401PC2A 1x RM2IN.2.401UC2A	-
<b>RM2.1.201S</b>	RM2ZJ.1.201LCMRBL	2x RM2IN.S.201A	1x RM2ID.1.201A
<b>RM2.1.401F</b>	RM2ZJ.1.401BFMRL	2x RM2IN.1.401A	2x RM2ID.1.401A
<b>RM2.1.401H</b>	RM2ZJ.1.401BHMRL	2x RM2IN.1.401A	2x RM2ID.1.401A
<b>RM2.1.401J</b>	RM2ZJ.1.401LCMRBL	2x RM2IN.1.401A	2x RM2ID.1.401A
<b>RM2.1.401L</b>	RM2ZJ.1.401BHMRL	2x RM2IN.1.401B	2x RM2ID.1.401A

#### Modifications prepared for new applications

Designation	Basic unit	Indication unit	Identification unit	Notes
<b>RM2.1.201B</b>	RM2ZJ.1.201BBMRL	2x RM2IN.1.201B	2x RM2ID.1.201A	WF545

#### Specifications

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

Number	Version	Title
1976RM2	200603	Technical conditions
1992RM2	200813	Installation manual
1986RM2	190709	Operating manual
1987RM2	190709	Maintenance manual, diagnostics



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**Modifications not prepared for new applications**

No record.