

Indication Unit of MIREL RM2 Integrated On-Board System

Type **RM2IN.2**

illustrative picture

Unit RM2IN.2 is a peripheral device of MIREL RM2 Integrated On-Board Unit intended for driver cab desk of a rail vehicle. The device communicates with central unit via RS485 serial line.

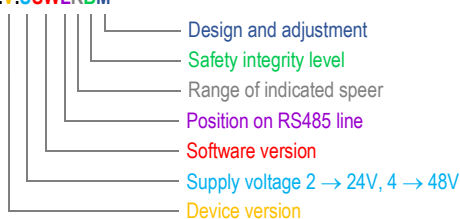
Indication Unit displays all operating information by means of a TFT display, it comprises a keyboard and LED indicators for indication of operating and error statuses.

Indication Unit RM2IN.2 integrates all functions of Indication Units RM2IN.S, RM2IN.1 and of Identification Unit RM2ID.1. It allows the operating staff to enter identification data, operating parameters, mode selection of integrated on-board system and to reset to zero light error statuses and intervention of integrated on-board system. It displays momentary DRV speed, maximum permitted speed and pre-selected speed. It indicates visual prompting for driver vigilance control, system intervention and error statuses. It allows to watch data provided by central unit of integrated on-board system.



Nomenclature

RM2IN.V.USWLRBM



Modifications

Designation	Software version	Position on RS485 line	Range of indicated speed	Safety integrity level	Design and adjustment	Notes
RM2IN.2.401PC2A	01	P	C	2	A	1)
RM2IN.2.401UC2A	01	U	C	2	A	1)

1) Homologated in Slovakia

Modifications prepared for new applications

Designation	Software version	Position on RS485 line	Range of indicated speed	Safety integrity level	Design and adjustment	Notes
RM2IN.2.201PC2A	01	P	C	2	A	WF953

Position on RS485 line

Designation	Descript
P	Modification with two connectors intended for passing-through positions on RS485 communication line.
U	Modification with one connector designed to terminate the RS485 communication line.

Range of indicated speed

Designation	Description
C	Modification with maximum indicated speed of 100 km/h, for DRV with a design speed of up to 90 km/h
D	Modification with maximum indicated speed of 140 km/h, for DRV with a design speed of up to 125 km/h
E	Modification with maximum indicated speed of 180 km/h, for DRV with a design speed of up to 160 km/h
F	Modification with maximum indicated speed of 220 km/h, for DRV with a design speed of up to 200 km/h

Safety integrity level

Designation	Description
0	Modification with SIL0 safety integrity level
2	Modification with SIL2 safety integrity level

Design and adjustment

Designation	Dimensions W x H x D [mm]	Weight [kg]	Pushbutton count
A	164 x 170 x 96	1,50	16

Specifications

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

Number	Version	Title
1976RM2	200603	Technical conditions
1992RM2	200813	Installation manual
2283M	210810	PPxD Installation conditions
1986RM2	190709	Operating manual
1987RM2	210604	Maintenance manual, diagnostics

Usage

MIREL RM2 – integrated on-board system



Modifications not recommend for new applications

No record.