

## 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.

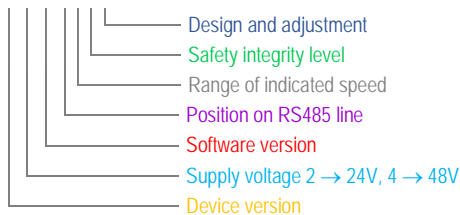
Indication Unit displays all operating information by means of a TFT display, it comprises a keyboard and LED indicators for indication of operating and error statuses.

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

No record.

#### Modifications prepared for new applications

| Designation     | Software version | Position on RS485 line | Range of indicated speed | Safety integrity level | Design and adjustment | Notes |
|-----------------|------------------|------------------------|--------------------------|------------------------|-----------------------|-------|
| RM2IN.2.401PC2A | 01               | P                      | C                        | 2                      | A                     | WF640 |
| RM2IN.2.401UC2A | 01               | U                      | C                        | 2                      | A                     | WF640 |

#### Position on RS485 line

| Designation | Description   |
|-------------|---|
| 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 |

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### Safety integrity level

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

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### Design and adjustment

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

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### Specifications

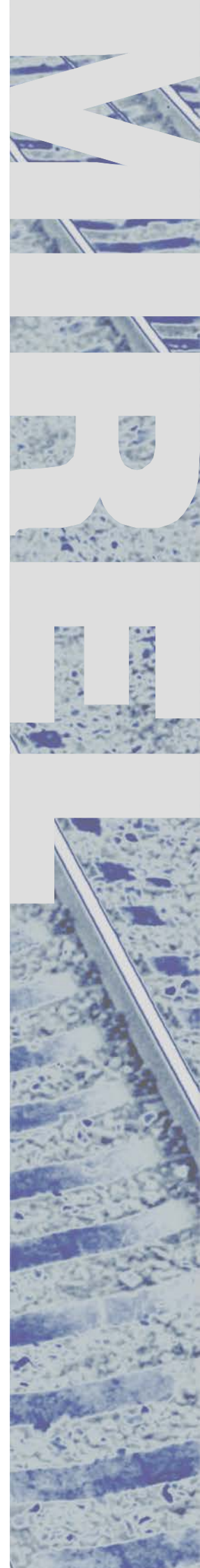
The catalogue sheet was prepared on the basis of the following specifications:

| Number  | Version | Name                            |
|---------|---------|---------------------------------|
| 1976RM2 | 200603  | Technical conditions            |
| 1992RM2 | 200813  | Installation manual             |
| 2283M   | 200930  | PPxD Installation conditions    |
| 1986RM2 | 190709  | Operating manual                |
| 1987RM2 | 190709  | Maintenance manual, diagnostics |

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### Usage

MIREL RM2 – integrated on-board system





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**Modifications not recommend for new applications**

No record.