

Central Processing Unit of the MIREL RM1 Speed Recorder

Type **RM1ZJ**

Illustrative picture

The central processing unit functionally assures all the operating functionalities of the MIREL RM1 speed recorder: measuring and filtering the instantaneous speed from the impulse rotation sensor (measuring speed, distance travelled and assessment of direction), archiving of required indicators, sensing inputs and generating outputs to the speed recorder, communication with indication and identification units at engineer stations, self-diagnostics and diagnostic test and indication on the front panel. The central processing unit contains the archiving module, which is installed inside a resistant liner used to secure increased protection from mechanical damage. The archiving module is not removed from the central processing unit during normal operations. The content of the archiving module are read using the 15-pin connector on the front panel of the central processing unit.



Dimensions W x H x D: 446 x 112 x 297 mm

Weight: 5,2 kg

Supply voltage: 24 / 48 VDC

Modifications:

MIREL RM2 is recommended for new applications, see document 1988RM2 RM2 Datasheet.

Specifications:

Number	Version	Name
297RM1	150325	MIREL RM1 Speed Recorder - Technical Conditions - Serial Installation
481M	121101	19" 3U central processing unit – Installation condition

Not recommended modifications for new applications:

Labelling	Nominal supply voltage [VDC]	Number of digital inputs	Number of outputs	Analogue input	Number of RS485 serial links	Capacity [MB]	Replacement ¹⁾
RM1ZJ.1.205A	24	16	8	4 ÷ 20 mA	2	16 000	-
RM1ZJ.1.405A	48	16	8	0 ÷ 10 V	2	16 000	-

¹⁾ MIREL RM2 is recommended for new applications, see document 1988RM2 RM2 Datasheet.

End-of-Life modifications:

Labeling	Nominal supply voltage [VDC]	Number of digital inputs	Number of outputs	Number of analogue inputs	Number of RS485 serial links	Capacity [MB]	Replacement
RM1ZJ.0.2840	24	8	4	0	1	8	RM1ZJ.1.205D ²⁾
RM1ZJ.0.2840M	24	8	4	0	2	8	RM1ZJ.1.205D ²⁾
RM1ZJ.0.2G00	24	16	0	0	1	8	RM1ZJ.1.205E ²⁾
RM1ZJ.0.2G40	24	16	4	0	1	8	RM1ZJ.1.205F ²⁾
RM1ZJ.0.2G40M	24	16	4	0	2	8	RM1ZJ.1.205F ²⁾
RM1ZJ.0.2G41	24	16	4	1	1	8	RM1ZJ.1.205B ²⁾
RM1ZJ.0.2G41M	24	16	4	1	2	8	RM1ZJ.1.205B ²⁾
RM1ZJ.0.2G81M	24	16	8	1	2	8	RM1ZJ.1.205A ²⁾
RM1ZJ.0.2G82	24	16	8	2	1	8	-
RM1ZJ.1.205B	24	16	4	1	2	16 000	RM1ZJ.1.205A
RM1ZJ.0.480M	48	8	0	0	2	8	RM1ZJ.1.405G ²⁾
RM1ZJ.0.4G40	48	16	4	0	1	8	RM1ZJ.1.405F ²⁾
RM1ZJ.0.4G40M	48	16	4	0	2	8	RM1ZJ.1.405F ²⁾
RM1ZJ.0.4G41	48	16	4	1	1	8	RM1ZJ.1.405B ²⁾
RM1ZJ.0.4G41M	48	16	4	1	2	8	RM1ZJ.1.405B ²⁾
RM1ZJ.1.405C	48	8	4	1	2	16 000	RM1ZJ.1.405A
RM1ZJ.0.4G81	48	16	8	1	1	8	RM1ZJ.1.405A ²⁾
RM1ZJ.0.4G81M	48	16	8	1	2	8	RM1ZJ.1.405A ²⁾
RM1ZJ.1.205D	24	8	4	0	2	16 000	RM1ZJ.1.205A
RM1ZJ.1.205E	24	16	0	0	2	16 000	RM1ZJ.1.205A
RM1ZJ.1.205F	24	16	4	0	2	16 000	RM1ZJ.1.205A
RM1ZJ.1.405B	48	16	4	1	2	16 000	RM1ZJ.1.405A
RM1ZJ.1.405F	48	16	4	0	2	16 000	RM1ZJ.1.405A
RM1ZJ.1.405G	48	8	0	0	2	16 000	RM1ZJ.1.405A

²⁾ after upgrade from RM1ZJ.0 to RM1ZJ.1 on Central Processing Unit, which is part system upgrade from RM1.0 to RM1.1