

Sales and Service

MR-J4-_A/B-RJ General-Purpose AC Servo Amplifiers to Support the DC Power Supply Input

Thank you for your continued patronage of the Mitsubishi general-purpose AC servo and FA products. MR-J4-_A/B-RJ servo amplifiers (Note) will support the DC power supply input.

Note. The products are custom models that support the fully closed loop control four-wire type/load-side encoder A/B/Z-phase input, the functional safety unit, and the positioning mode (MR-J4-_A-RJ servo amplifiers only).

1. Target Models

- MR-J4-_A-RJ (200 V class servo amplifiers only)
- MR-J4-_B-RJ (200 V class servo amplifiers only)

2. Details of the Change

MR-J4-_A/B-RJ servo amplifiers will support the DC power supply input in addition to the AC power supply input (Table 1). The description on the rating plate and the packaging plate will not be changed.

Table 1 Applicable DC power supply input

		Before change	After change
Main circuit power supply/control circuit power supply	Voltage	3-phase or 1-phase 200 V AC to 240 V AC (Note)	<ul style="list-style-type: none"> • 3-phase or 1-phase 200 V AC to 240 V AC (Note) • 283 V DC to 340 V DC
	Permissible voltage fluctuation	3-phase or 1-phase 170 V AC to 264 V AC (Note)	<ul style="list-style-type: none"> • 3-phase or 1-phase 170 V AC to 264 V AC (Note) • 241 V DC to 374 V DC

Note. Only the 2 kW or lower servo amplifiers support the 1-phase AC input. Only the 1-phase power supply is applicable to the control circuit.

3. How to Apply the DC Power Supply Input

To use the servo amplifier with the DC power supply input, set the parameters as shown in Table 2. After setting the parameters, cycle the power to the servo amplifier to enable the settings.

Table 2 Parameter settings

Target model	Parameter No./symbol	Setting value
MR-J4-_A-RJ	PC27 *COP6 Function selection C-6	___ 1
MR-J4-_B-RJ	PC20 *COP7 Function selection C-7	___ 1

The DC power supply input specifications for the target models are the same as those for the custom model MR-J4-_EG/KJ. For the wiring method and others, refer to the MR-J4-_A/B(4)-EG/KJ specification. Contact your local sales office if necessary.

The next revision of the catalog and the instruction manuals will include these contents.

4. Schedule

This change will be made sequentially from the September 2015 production.

There may be cases when both new and old products exist in the distribution stage.

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