

# MITSUBISHI MR-J4W2-1010B

Mitsubishi's MR-J4W2-1010B servo unit features dual-axis functionalities suited for various applications. Designed to operate on either single-phase or three-phase inputs, it requires a rated supply voltage of 200 to 230 volts AC.

Technical specifications for MR-J4W2-1010B

Manufacturer Mitsubishi

Product Line MELSERVO MR-J4

Part Number MR-J4W2-1010B

Weight 3.00 lbs (1.36 kg)

Number of Axes 2 axes

Type of Input Phase 1-phase or 3-phase

Type of Command Interface SSCNET III/H interface

Number of Input/Output 6 digital inputs, 4 digital outputs

Braking Unit Built-in dynamic brake and regenerative brake

Protection Class IP20

Output Power Rating 1 kW

Current Rating 6 Amperes

Rated Supply Voltage 200 to 230 Volts AC

Current Consumption 9.8 Amperes

Permissible Voltage Fluctuation 170 to 264 Volts AC

Power Consumption 55 Watts

Cooling Method Forced ventilation cooling

Control Method Sine wave pulse width modulation (PWM) control and current control

## Description

The MR-J4W2-1010B from Mitsubishi's MELSERVO MR-J4 range offers a dual-axis servo solution. It can operate on both 1-phase and 3-phase input power sources, catering to various operational needs. This servo drive utilizes the SSCNET III/H command interface for high-speed communication. Equipped with six digital inputs and four digital outputs, it ensures effective control and management of connected devices.

Incorporating a robust braking system, the unit features both built-in dynamic and regenerative brakes to optimize performance during operation. Protective casing adheres to the IP20 rating, safeguarding internal components from dust while allowing for efficient airflow.

The dimensions of the servo drive are 6.61 inches in height, 3.35 inches in width, and 7.68 inches in depth (168 mm x 85 mm x 195 mm), allowing for easy integration in compact spaces. For power requirements, it provides an output power rating of 1 kilowatt and operates with a current

You can contact us through the following contact information

[www.sparetechplc.com](http://www.sparetechplc.com) +86 180 3000 5825 [sales@sparetechplc.com](mailto:sales@sparetechplc.com)

rating of 6 amperes. Despite its high performance, the unit has a current consumption of 9.8 amperes, and it can tolerate voltage fluctuations ranging from 170 to 264 volts AC.

During regular operation, the servo drive consumes approximately 55 watts of power, making it efficient. The preferred cooling method is through forced ventilation to maintain optimal temperature conditions. Control is managed via sine wave pulse width modulation (PWM) and current control, which enhance accuracy and efficiency in motor operations.



You can contact us through the following contact information

[www.sparetechplc.com](http://www.sparetechplc.com) +86 180 3000 5825 [sales@sparetechplc.com](mailto:sales@sparetechplc.com)