

Allen-Bradley 1771-HSAR

The Allen-Bradley 1771-HSAR servo controller module is an IMC servo controller module from the Allen-Bradley PLC 5 series. It comes with a memory cartridge that is battery-backed. The 1771-HSAR servo controller's memory module has a capacity of 96K and its battery is a lithium battery. This servo controller module is powered by a 120/220 Volts AC-rated power supply like the Allen-Bradley 1771- Technical specifications for 1771-HSAR

Manufacturer Rockwell Automation

Brand Allen-Bradley

Part Number/Catalog No. 1771-HSAR

Module Type Servo Controller Module

Fuse Voltage 120 Volts

Max Input Frequency 250 Kilohertz Differential Input

Outputs +/- 10 Volt DC Analog Command

Slots 2 Slots Per ES

Module Update Period 2 ms/axis

Backplane Current 1.7 Amperes

Wiring Arm 1771-WA

Pulse Capture Time 50-9.999 Microseconds

Dimensions 3.5 x 6.5 x 2.0 in (89 x 165 x 51 mm) Description

The 1771-HSAR IMC Servo Controller Module by Allen-Bradley is a controller module with ADV. Its 96-KB lithium battery memory cartridge which is shipped with the controller is an integral component of the controller system as it stores the controller's Application programs and AMP parameters. Its lithium battery has a typical lifespan of 3 years and it can back up the memory module for a maximum of 10 years. The 1771-HSAR also has a power supply module with a 120V AC or 220V AC electrical rating, connected to it via a 1771-CAS power connector cable, which connects directly to the controller through the power connector on the controller. The 1771-HSAR has an AUX FDBK connector which is a 15-pin connector used for providing power to any auxiliary encoder connected to it and for receiving feedback signals from the auxiliary encoder and a resolver rotor. It also has a 9-pin RS-232 connector which is used to test and debug MML programs and to download and upload AMP parameters and users MML programs. The 1771-HSAR uses various cables with variable lengths for connection it has a power connector cable (1771-PS7), an Axis E-Stop connector cable (1771-CAP) for connection to the AXIS E-STOP connector of the Termination panel, an AUX FDBK connector cable (1771-CAPA) for connection to the Auxiliary feed-back connector of the termination panel, and the RS-232 connector cable (1771-CT50) for connection to the T35 and T50 offline development system. A Hand-Held pendant may be connected for convenient modification of system variable and parameters.

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