

Allen-Bradley 1762-L40AWA

The Allen-Bradley 1762-L40AWA controller is a MicroLogix 1200 series programmable controller. Its input voltage rating is 120/240 Volts AC. The 1762-L40AWA programmable controller has 16 relay outputs and 24 inputs, for a total of 40 input and output channels. The 24 input channels have a voltage rating of 120 Volts AC. The 1762-L40AWA programmable controller is one of the bigger

Technical specifications for 1762-L40AWA

Manufacturer Rockwell Automation

Part Number/Catalog No. 1762-L40AWA

Brand Allen-Bradley

No. of Inputs Twenty-Four (24)

No. of Outputs Sixteen (16)

Input Circuit Type 120 Volts AC

Output Circuit Type Relay

Relay Contact Rating 24-125VDC; 120-240VAC

Mechanical Cycles 20,000,000

Load Current 10A, minimum

Communication Ports One (1) 8-Pin mini-DIN serial port

Supported Protocols DF1, DH-485, ASCII, MODBUS

Dimensions Height: 90 mm 104 mm (with DIN latch open); Width: 160 mm; Depth: 87 mm

Shipping Weight 2.4 pounds

Ambient Operating Temp 0 to 55 degrees Celsius

Power Supply Usage 82 VA

Power supply inrush current 120V ac: 25A for 8 ms; 240V ac: 40A for 4 ms

Series MicroLogix 1200

Module Type Controller

Input Power 120 to 240 Volts AC

Inputs (24) 120 Volts AC

Outputs (16) Relay

Operating Frequency 47 to 63 Hertz

Communication DH-485, Modbus

On-State Voltage 14 to 24 Volts DC

Off-State Voltage 0 to 5 Volts DC

UPC 10612598207227 Description

The 1762-L40AWA is a MicroLogix 1200 controller. This is an Allen-Bradly Programmable Logic Controller (PLC) that is designed with embedded input and output channels as well as communication and programming port.

The 1762-L40AWA is also provided with Two (2) Trim Potentiometers that may be used for simulating internal registers or as local control of process variables. These trim potentiometers

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are located on the controller's front panel that may be adjusted using a precision screw driver.

The 1762-L40AWA has One (1) communication port in the form of 8 pin mini-DIN physical interface. This communication port supports DF1, serial DH485, ASCII and MODBUS Master / Slave protocol. This port may be used to download and upload user program, interface with Human Machine Interface (HMI) and Supervisory Control and Data Acquisition (SCADA) systems.

The 1762-L40AWA is powered by supplying an external 100-240VAC supply voltage with frequency of 47-63 Hz. It can withstand an inrush current of 25 A for 8 ms @ 120 VAC and 40 A for 4 ms @ 240 VAC. It has a power supply usage of 80 VA.

The 1762-L40AWA has two input specifications, one is for inputs 0 through 3 and the other is for inputs 4 and above. The minimum off-state leakage current in this module is 1.5 mA. The off-state voltage range is 0 to 5 Volts DC and the on-state voltage range of this module is 14 to 24 Volts DC for inputs 0 through 3. For inputs 4 and above, the on-state voltage range is 10 to 24 Volts DC. The 1762-L40AWA can control a load of up to 1440 VA. The current per group common of this module is 8 Amps. Make sure that the output of the 1762-L40AWA will not exceed the current per group common rating because it may damage this module or other equipment connected to it.



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