

Allen-Bradley 1762-L40BWA

The 1762-L40BWA is an Allen-Bradley 40-point controller module. This MicroLogix 1200 unit has Twenty-Four (24) inputs compatible for 24 Volts DC input voltage and supports sinking or sourcing wiring configuration. It also has Sixteen (16) Relay output. This controller supports DIN Rail or Panel Mounting. Technical specifications for 1762-L40BWA

Manufacturer Rockwell Automation

Brand Allen-Bradley

Input Power 120 to 240 Volts AC

Part Number/Catalog No. 1762-L40BWA

Inputs (20) 24 Volts DC and (4) Fast 24 Volts DC

Outputs (16) Relay

No. of Inputs Twenty-Four (24)

No. of Outputs Sixteen(16)

Operating Temperature 0 to 50 degrees Celsius

Input Circuit Type 24 Volts DC Sink/Source

Operating Frequency 47 to 63 Hertz

Output Circuit Type Relay

Internal Power Supply Yes

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

UPC 10612598207234

Mechanical Cycles 20,000,000

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

Load Current 10A, minimum

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 Description

The 1762-L40BWA is a Programmable Logic Controller (PLC). This controller is a MicroLogix 1200 by Allen-Bradley. It features a total of Forty (40) Input and Output channels which specifically consists of Twenty-Four (24) Discrete inputs and Fourteen (14) Discrete Outputs. The input channels are designed for interfacing input devices that carry 24VDC via sinking and sourcing wiring configuration. The outputs are contact outputs that are rated for 25-125 VDC or 120 - 240 VAC with mechanical life of 20,000,000 cycles and rated for a minimum of 10A load.

This controller has an integrated 8-pin Mini DIN RS232 communication port that supports DH-485, DF1 Full and Half Duplex, Modbus Master and Slave and ASCII protocols. DF1, ASCII and Modbus in this controller operates in peer-to-peer configuration. Converters may be used to multiplex the serial port to allow communication to multiple devices. These converters may be an RS223 to Ethernet converter or RS232 to RS485 converter. DH-485 is ideal for connecting to a network bus

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with the use of an external converter such as a 1761-NET-AIC.

This controller requires installation to an enclosure that provides adequate protection to the device as the 1762-L40BWA is an electronic device. The enclosure temperature must be maintained at temperature of $+0^{\circ}\text{C}$ to $+55^{\circ}\text{C}$. Appropriate climate control devices is recommended to be installed in the enclosure such as a heater, fan or combination of both, depending on the installation location.



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