

Allen-Bradley 1746 1747 Series Service Manual

1762-L40AWA

1. Description

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

2. Specifications

Specification	Value
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. Thi

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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

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

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UPC 10612598207227 Description

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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 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.