

Install your controller using these installation instructions. The only tools you require are a Flat head or Phillips head screwdriver and drill.

The catalog number for the controller is composed of the following:

Bulletin Number

Controller

Number of Digital I/O

Input Type:
A = 120V ac
B = 24V dc
N = 24V ac or 24V dc

Analog I/O

Number of Analog I/O:
4 Inputs, 1 Output

Power Supply
A = 120/240V ac
B = 24V dc

Output Type:
A = Triac
B = 24V dc FET
W = Relay
X = Relay/24V dc FET

For More Information

Related Publications

For	Refer to this Document	Pub. No.
A description on how to use your MicroLogix 1000 programmable controllers. This manual also contains status file data and instruction set information.	MicroLogix 1000 Programmable Controllers User Manual	1761-6.3
A procedural manual for technical personnel who use the Allen-Bradley Hand-Held Programmer (HHP) to monitor and develop control logic programs for the MicroLogix 1000 controller.	MicroLogix 1000 with Hand-Held Programmer (HHP) User Manual	1761-6.2
More information on proper wiring and grounding techniques.	Industrial Automation Wiring and Grounding Guidelines	1770-4.1
The procedures necessary to install and connect the AIC+ and DNI.	Advanced Interface Converter (AIC+) and DeviceNet Interface (DNI) Installation Instructions	1761-5.11
A more detailed description on how to install and use your AIC+ Advanced Interface Converter.	AIC+ Advanced Interface Converter User Manual	1761-6.4
A more detailed description on how to install and use your DeviceNet Interface.	DeviceNet Interface User Manual	1761-6.5
A more detailed description on how to install and use your Ethernet Interface.	Ethernet Interface User Manual	1761-UM006

If you would like a manual, you can:

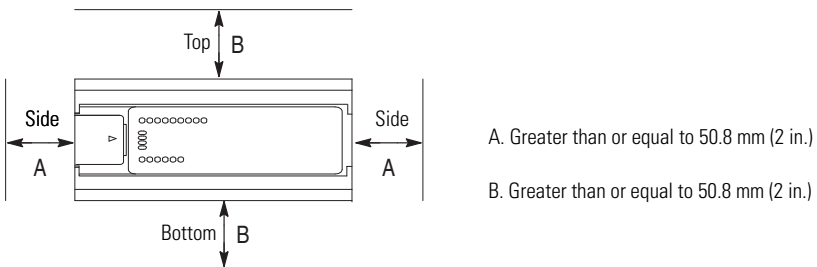
- download a free electronic version from the internet:
<http://literature.rockwellautomation.com>
- purchase a printed manual by contacting your local Allen-Bradley distributor or Rockwell Automation representative

Physical Dimensions

Controller: 1761-	Length: mm (in.)	Depth: mm (in.)	Height: mm (in.)
L10BWA	120 (4.72)	73 (2.87)	80 (3.15)
L16BWA			
L16NWA			
L16AWA	133 (5.24)		
L20AWA-5A	200 (7.87)		
L20BWA-5A			
L32AWA			
L32BWA			
L32AAA			
L10BWB	120 (4.72)	40 (1.57)	
L10BxB			
L16BBB			
L16BWB			
L16NBWB			
L20BWB-5A	200 (7.87)		
L32BBB			
L32BWB			

Controller Spacing

The following figure shows the recommended *minimum* spacing for the controller.



Note: The controller is shown horizontally mounted.

Analog Output Specifications

Description	Specification
Voltage Output Range	0 to 10V dc -1LSB
Current Output Range	4 to 20 mA - 1LSB
Type of Data	16-bit signed integer
Non-linearity	0.02%
Step Response	2.5 ms (at 95%)
Load Range - Voltage Output	1K Ω to ∞ Ω
Load Range - Current Output	0 to 500 Ω
Output Coding 4 to 20 mA - 1 LSB, 0 to 10V dc - 1LSB	0 to 32,767
Voltage Output Miswiring	can withstand short circuit
Current Output Miswiring	can withstand short circuit
Output Resolution	15 bit
Analog Output Settling Time	3 msec (maximum)
Overall Accuracy 0°C to +55°C	$\pm 1.0\%$ of full scale
Overall Accuracy Drift 0°C to +55°C (max.)	$\pm 0.28\%$
Overall Error at +25°C (+77°F) (max.)	0.2%
Field Wiring to Logic Isolation	30V rated working/500V isolation