Installation Instructions

MicroLogix 1000 Programmable Controllers

Catalog Numbers 1761-L10BWA, -L10BWB, -L10BXB, -L16AWA, -L16BWA, -L16BWB, -L16BBB, -L16NWA, -L16NWB, -L20AWA-5A, -L20BWA-5A, -L20BWB-5A, -L32AAA, -L32AWA, -L32BWA, -L32BWB, -L32BBB

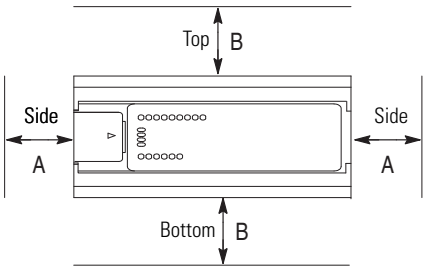
Allen-Bradley • Rockwell Software Rockwell Automation

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			
L16NWB			
L20BWB-5A	200 (7.87)		
L32BBB			
L32BWB			

Controller Spacing

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



A. Greater than or equal to 50.8 mm (2 in.)

B. Greater than or equal to 50.8 mm (2 in.)

Note: The controller is shown horizontally mounted.

Mounting Your Controller Horizontally

The controller should be mounted horizontally within an enclosure using either the DIN rail or mounting screw option. Use the mounting template from the front of this document to help you space and mount the controller properly.

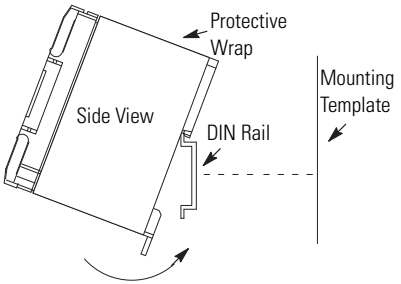
ATTENTION

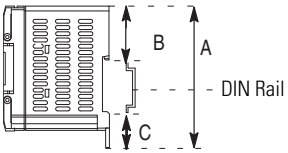
Be careful of metal chips when drilling mounting holes for your controller. Drilled fragments that fall into the controller could cause damage. Do not drill holes above a mounted controller if the protective wrap is removed.

Using a DIN Rail

To install your controller on the DIN rail:

1. Mount your DIN rail. (Make sure that the placement of the controller on the DIN rail meets the recommended spacing requirements. Refer to the mounting template from the back of this document.)
2. Hook the top slot over the DIN rail.
3. While pressing the controller against the rail, snap the controller into position.
4. Leave the protective wrap attached until you are finished wiring the controller.

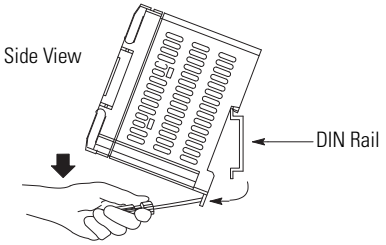




Call-out	Dimension
A	84 mm (3.3 in.)
B	33 mm (1.3 in.) maximum
C	16 mm (0.63 in.)

To remove your controller from the DIN rail:

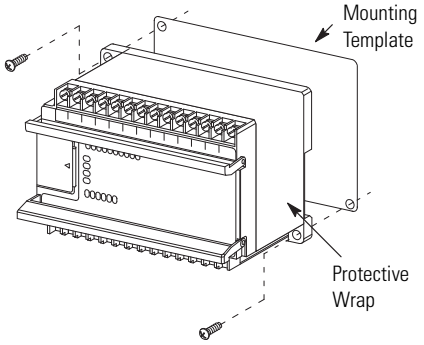
1. Place a screwdriver in the DIN rail latch at the bottom of the controller.
2. Holding the controller, pry downward on the latch until the controller is released from the DIN rail.



Using Mounting Screws

To install your controller using mounting screws:

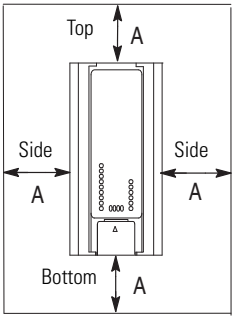
1. Remove the mounting template from the back of this document.
2. Secure the template to the mounting surface. (Make sure your controller is spaced properly.)
3. Drill holes through the template.
4. Remove the mounting template.
5. Mount the controller.
6. Leave the protective wrap attached until you are finished wiring the controller.



Mounting Your Controller Vertically

Your controller can also be mounted vertically within an enclosure using mounting screws or a DIN rail. To insure the stability of your controller, we recommend using mounting screws. For additional information, refer to the previous section.

To insure the controller's reliability, the following environmental specifications must not be exceeded.



A. Greater than or equal to 50.8 mm (2 in.).

Description:	Specification:
Operating Temperature	0°C to +40°C (+32°F to +113°F)[1]
Operating Shock (Panel mounted)	9.0g peak acceleration (11 ± 1 ms duration) 3 times each direction, each axis
Operating Shock (DIN rail mounted)	7.0g peak acceleration (11 ± 1 ms duration) 3 times each direction, each axis

(1) DC input voltage derated linearly from +30°C (30V to 26.4V).

Note: When mounting your controller vertically, the nameplate should be facing downward.