



MicroLogix™ 1000 Programmable Controllers

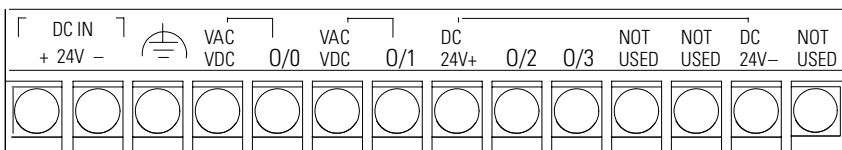
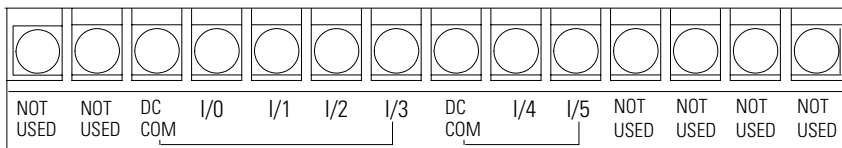
(Catalog Numbers 1761-L10BXB, 1761-L16NWA and 1761-L16NWB)

Use this publication, in addition to the document listed below for 1761-L10BXB, 1761-L16NWA, and 1761-L16NWB controllers.

Title	Publication Number	Affected Sections
MicroLogix™ 1000 Programmable Controllers User Manual	1761-6.3	Appendix A - Hardware Specifications

1761-L10BXB

The 1761-L10BXB controller is identical in operation to the 1761-L16BBB with the exception of the number of inputs (4 less) and the number of FET outputs (2 less). These I/O points are labeled not used in the 1761-L10BXB terminal layout shown below (for the 1761-L16BBB, these I/O points are labeled I/6 through I/9, O/4 and O/5).



Refer to the publication listed above for all other operating characteristics and specifications.

1761-L16NWA and -L16NWB

The 1761-L16NWA and -L16NWB controllers are equipped with input circuits capable of 24V ac or 24V dc operation. Specifications for operation of the input circuits are given in the table on the following page. With the exception of the input circuits, the 1761-L16NWA and -L16NWB are identical in operation to the 1761-L16BWA and -L16BWB, respectively. Refer to the publication listed above for all other operating characteristics and specifications.

24V ac / 24V dc Input Specifications⁽¹⁾ for 1761-L16NWA and 1761-L16NWB

Specification		AC Excitation ⁽²⁾	DC Excitation
On State Voltage	Minimum	18V ac	14V dc
	Nominal	24V ac	24V dc
	Maximum	26.4V ac at 55°C (131°F) 30V ac at 30°C (86°F)	26.4V dc at 55°C (131°F) 30V dc at 30°C (86°F)
On State Current	Minimum	3.0 mA at 18V ac	2.5 mA at 14V dc
	Nominal	8.0 mA at 24V ac	8.0 mA at 24V dc
	Maximum	12 mA at 30V ac	12 mA at 30V dc
Off State Voltage	Minimum	0.0V ac	0.0V dc
	Maximum	3.0V ac	5.0V dc
Off State Current	Minimum	1.0 mA	1.5 mA
Frequency	Nominal	50/60 Hz	see Turn On Time/Turn Off Time
	Range	47 to 63 Hz	
Turn On Time ⁽³⁾	Minimum	2 ms	2 ms
	Maximum	20 ms	20 ms
Turn Off Time ⁽³⁾	Minimum	10 ms	10 ms
	Maximum	20 ms	20 ms

(1) Input circuits may be operated ac or dc on a group basis only.

(2) All ac specifications are sinusoidal RMS values.

(3) Turn On and Turn Off Times are *not* adjustable.

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