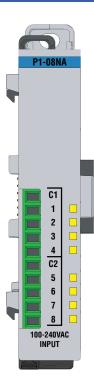
Input Specifications					
Inputs per Module	8				
Rated Voltage	100–240 VAC				
Operating Voltage Range	80–288 VAC				
AC Frequency	47–63 Hz				
7mA @ 100VAC (50Hz) 8.5 mA @ 100VAC (60Hz) 14.2 mA @ 240VAC (50Hz) 17mA @ 240VAC (60Hz)					
Maximum Input Current @ Temp	26mA @ 60°C (288VAC)				
Input Impedance	15kΩ (50Hz), 12kΩ (60Hz)				
ON Voltage Level	> 70VAC				
OFF Voltage Level	< 20VAC				
Minimum ON Current	5mA				
Maximum OFF Current 2mA					
OFF to ON Response < 10ms					
ON to OFF Response	< 25ms				
Status Indicators	Logic Side (8 points)				
Commons per module*	2 Isolated (4 points/common) @ 120VAC 2 Non-Isolated @ 240VAC				

^{*}C1 and C2 must be jumped together by an external wire during 240VAC applications.

Productivity 1000



P1-08NA AC Input

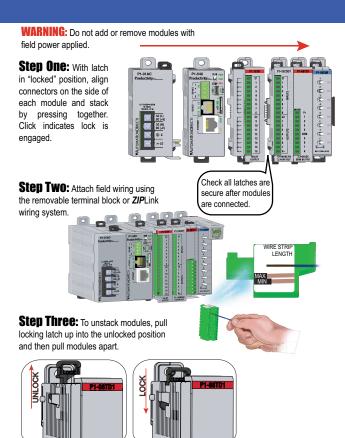
The P1-08NA AC Input Module provides eight 100–240 VAC inputs for use with the Productivity1000 system.

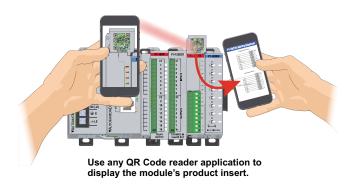
Input Specifications	 	 				. 1
Module Installation	 	 				.2
QR Code	 	 				.2
Wiring Options	 	 				.3
Schematic & Wiring Diagram	 	 				.3
General Specifications	 	 				.4
Terminal Block Specifications	 	 				.4
Warning	 	 				.4

Terminal Block sold separately, (see wiring options on page 3). Warranty: Thirty-day money-back guarantee. Two-year limited replacement (See www.productivity1000.com for details).

Module Installation

QR Code



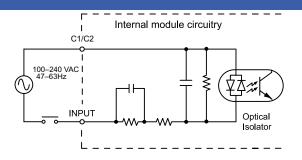


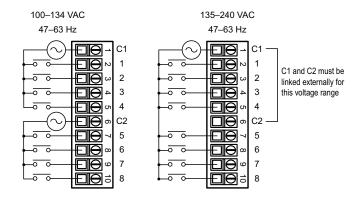
Wiring Options ZIPLink Feed Through Modules and Cables¹ ZIPINK VAUTOMATION DIRECT 7I -RTB20 ZL-RTB20-1 ZIPINK ZIRINK 0.5 m (1.6 ft) cable 0000000 7I -P1-CBI 10 1.0 m (3.3 ft) cable ZL-P1-CBL10-1 0000000 2.0 m (6.6 ft) cable ZL-P1-CBL10-2 Terminal Block with pigtail cable ZL-P1-CBL10-1PI 1.0 m (3.3 ft) cable ZL-P1-CBL10-2P 2.0 m (6.6 ft) cable 3 Screw Terminal Block only P1-10RTB (Quantity 1) Spring Clamp Terminal Block only P1-10RTB-1 (Quantity 1) Accessories² ZL-RTB-COM TW-SD-SL-1 TW-SD-MSL-2

1.Cable + **ZIP**Link Module = Complete System

2. ZL-RTB-COM provides a common connection point for power or ground

P1-08NA Schematic





WARNING: To minimize the risk of potential safety problems, you should follow all applicable local and national codes that regulate the installation and operation of your equipment. These codes vary from area to area and it is your responsibility to determine which codes should be followed, and to verify that the equipment, installation, and operation are in compliance with the latest revision of these codes.

Equipment damage or serious injury to personnel can result from the failure to follow all applicable codes and standards. We do not guarantee the products described in this publication are suitable for your particular application, nor do we assume any responsibility for your product design, installation, or operation.

If you have any questions concerning the installation or operation of this equipment, or if you need additional information, please call Technical Support at .

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Terminal Block Specifications					
Part Number	P1-10RTB P1-10RTB-1				
Positions	10 Screw Terminals	10 Spring Clamp Terminals			
Wire Range	30–16 AWG (0.051–1.31 mm²) Solid / Stranded Conductor 3/64 in (1.2 mm) Insulation Max. 1/4 in (6–7 mm) Strip Length 19/64 in (7–8 mm) Strip Length				
Conductors	ductors "USE COPPER CONDUCTORS, 75°C" or equivalent.				
Screw Driver	0.1 in (2.5 mm) Maximum*				
Screw Size	M2	N/A			
Screw Torque	2.5 lb-in (0.28 N·m) N/A				

^{*}Recommended Screw Driver TW-SD-MSL-1

General Specifications				
Operating Temperature	0° to 60°C (32° to 140°F)			
Storage Temperature	-20° to 70°C (-4° to 158°F)			
Humidity	5 to 95% (non-condensing)			
Environmental Air	No corrosive gases permitted			
Vibration	IEC60068-2-6 (Test Fc)			
Shock	IEC60068-2-27 (Test Ea)			
Field to Logic Side Isolation	1800VAC applied for 1 second			
Insulation Resistance	> 10MΩ @ 500VDC			
Heat Dissipation	1800mW			
Enclosure Type	Open Equipment			
Module Location	Any I/O position in a Productivity1000 System			
Field Wiring	Removable terminal block. Use ZIP Link Wiring System optional (sold separately) See "Wiring Options" on page 3.			
EU Directive	See the "EU Directive" topic in the Productivity Suite Help File. Information can also be obtained at: www.productivity1000.com			
Terminal Type (sold separately)	10-position Removable Terminal Block			
Weight	70g (2.5 oz)			
Agency Approvals	UL61010-2-201 file E139594, Canada & USA CE (EN61131-2 EMC and EN61010-2-201 Safety)*			

*See CF Declaration of Conformance for details

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