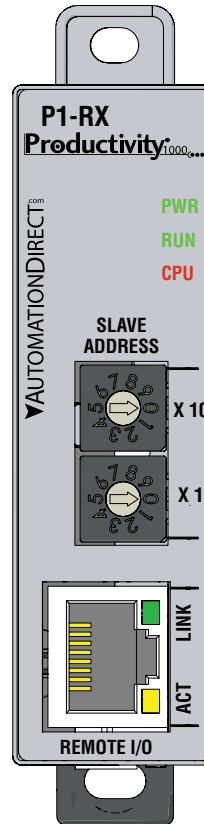


Remote Slave Specifications	
Communication-1 Integrated Port	Remote I/O: (10/100Mbps Ethernet)
Max. Number of Ethernet Remote I/O Bases	4 - P1000 CPU (with Remote I/O Ethernet Port) 8 - P2000 CPU (with Remote I/O Ethernet Port)
Max. Number of I/O per CPU System	P1000 - 512 (4 slaves, 8 slots each, 16 point I/O) P2000 - 1024 (8 slaves, 8 slots each, 16 point I/O)
Max I/O Modules per P1-RX	8 Modules
External Power Required	24VDC±2% @ 5W plus 1.25 W per additional I/O module See page 7 for Power Supply Options
Recommended Fuse (External)	Edison S5061-R. Time Delay. 1A Fuse (8 I/O Modules)

**Please note: \$US prices shown
 For current \$AUD visit www.directautomation.com.au**

P1-RX Remote Slave

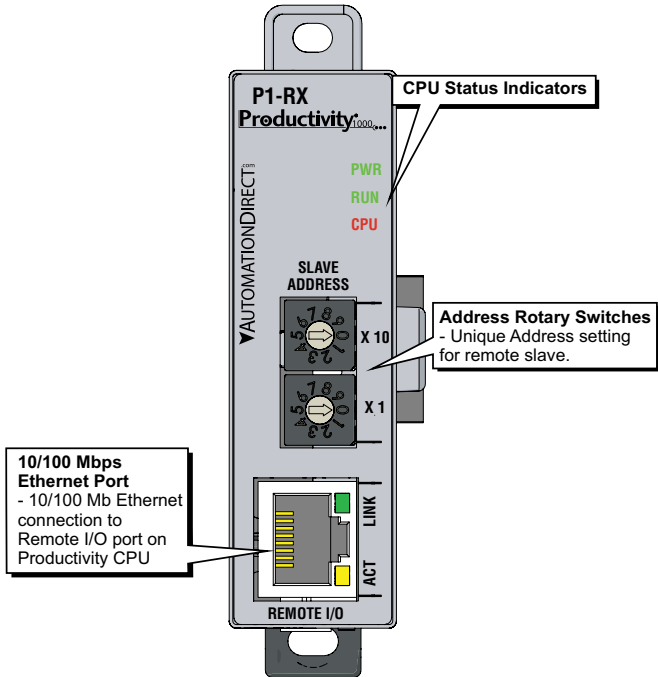
The P1-RX is a full featured, high-performance, Remote Slave Module for use with Productivity1000 and Productivity2000 systems.



Remote Slave Specifications	1
Module Installation Procedure	2
Front Panel Diagram	2
Addressing Procedure	3
Module Configuration	3
Remote I/O Port Specifications	4
Remote Base and GS Drive Setup	6
Removable Terminal Block Specifications	7
General Specifications	8
RX Status Indicators	8
Warning	8

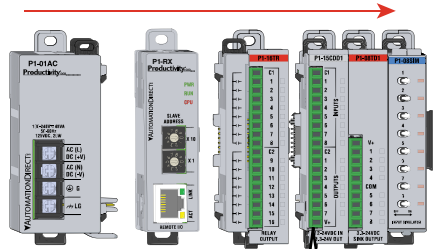
Terminal Block sold separately, (see wiring options on page 7).

Warranty: Thirty-day money-back guarantee. Two-year limited replacement (See www.productivity1000.com for details).



WARNING: Do not add or remove modules with field power applied.

Step One: With latch in "locked" position, align connectors on the side of each module and stack by pressing together. Click indicates lock is engaged.

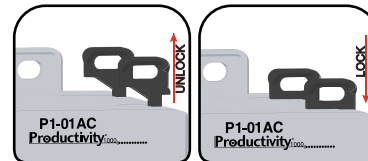


Step Two: Attach field wiring using the removable terminal block or ZIPLink wiring system.

Check all latches are secure after modules are connected.



Step Three: To unstack modules, pull locking latch up into the unlocked position and then pull modules apart.

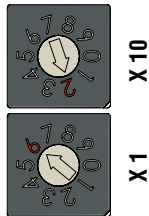


Addressing Procedure

Setting the Remote Slave Address

Each Remote Slave (up to 8 total) must have a unique address between 1 and 99. The address is set using two rotary switches located on the face of the module, X10 for setting the tens units and X1 for setting the ones.

For example, to set the remote slave address to 26, turn the X10 arrow until it points at number 2 and the X1 arrow until it points at number 6.



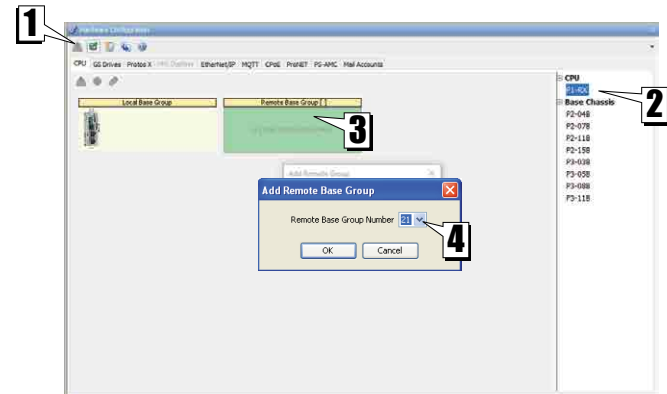
IMPORTANT:

- The factory setting of 00 is not a valid address.
- Address selection must be set prior to power-up.
- Slave addresses are read only on power-up.
- If there are duplicate slave addresses on the same network, a critical error will be displayed on the CPU.

Module Configuration

It is also necessary to configure the remote addresses using the Productivity Suite Programming Software. If connected online to a Productivity System with slaves installed, go to Hardware Configuration and select the Read Configuration (1) button. The CPU will automatically read the addresses of the remote slaves and add them to the configuration.

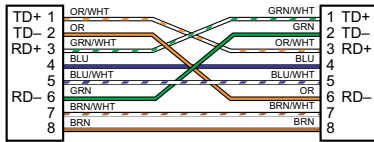
If setting up offline, go to Hardware Configuration, drag "P1-RX" from the CPU list (2) to the Remote Base Group (3). Select the same Remote Base Group Number (4) as set on the rotary switches.



Remote I/O Port Specifications

Description	Proprietary transformer isolated Ethernet Port built-in surge protection for connection to CPU Remote I/O Master port.
Transfer Rate	10/100Mbps
Port Status LEDs	Green LED is illuminated when network LINK is established. Yellow LED is backlit when port is active (ACT).
Cables	Auto crossover port allows use of a straight-through or crossover cable.

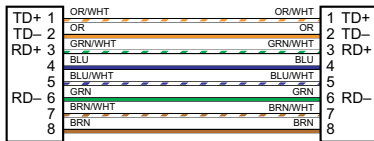
Crossover Cable



RJ45

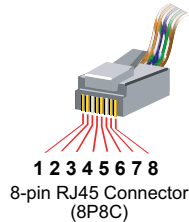
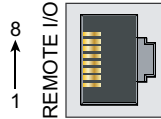
RJ45

Patch (Straight-through) Cable

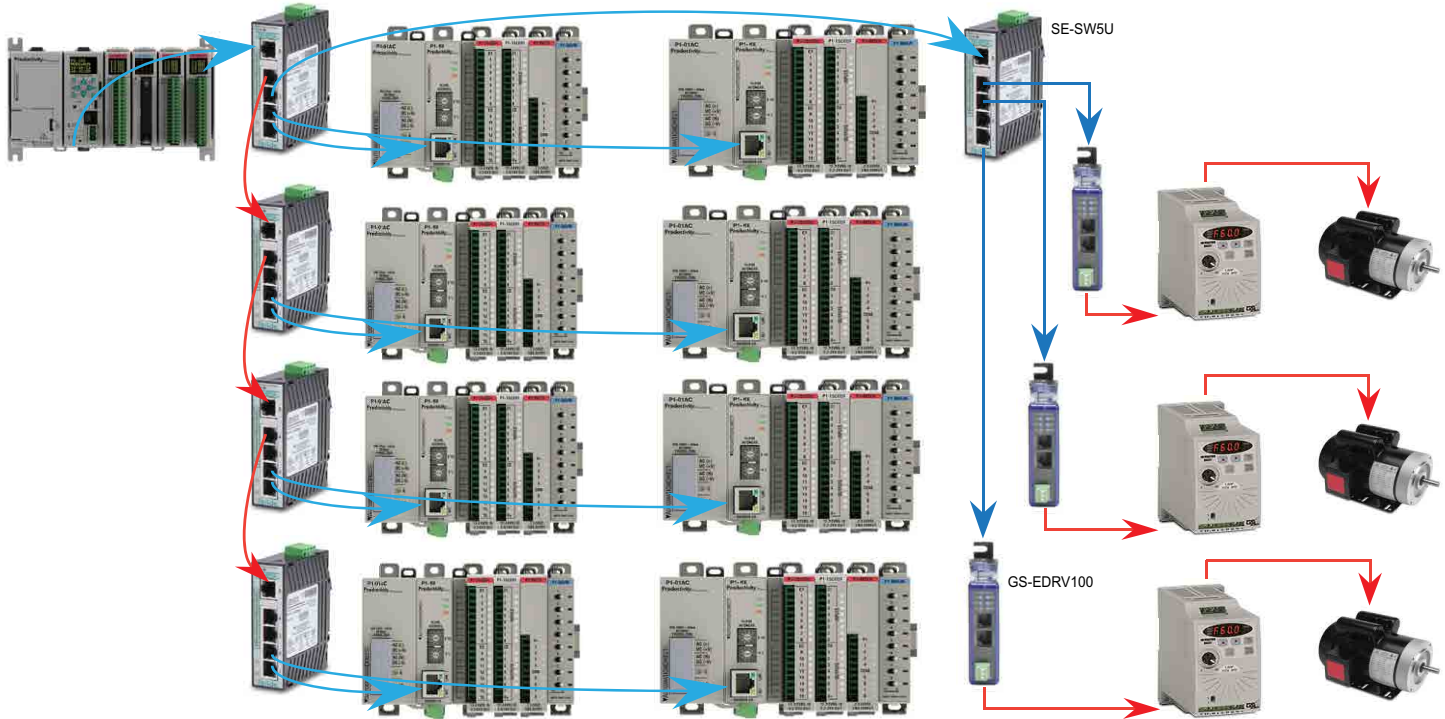


RJ45

RJ45

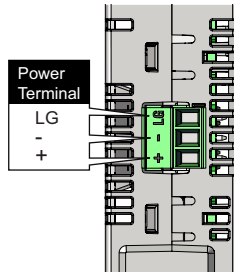


Add up to 8 Remote Bases using P2000 CPUs or up to 4 Remote Bases for P1-550 and up to 8 GS Drives on the Remote I/O Ethernet Network.



Removable Terminal Block Specifications

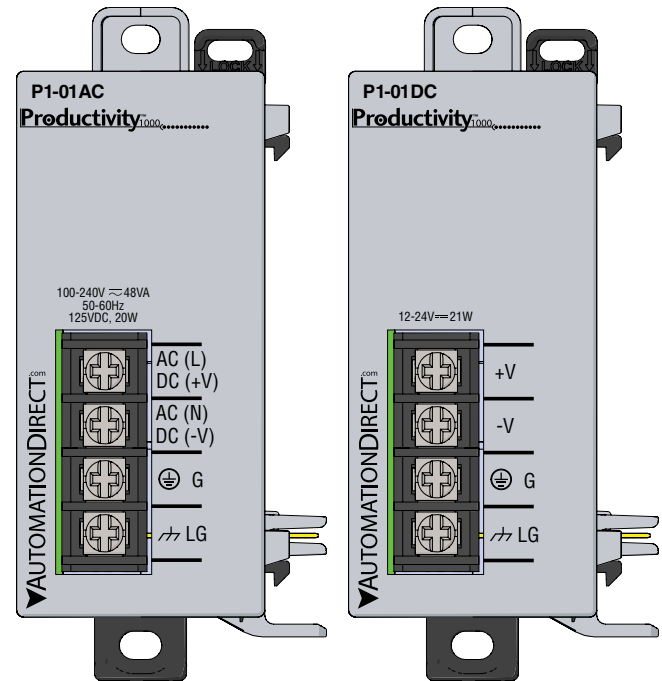
Part Number	PCON-KIT
Number of Positions	3 Screw Terminals
Pitch	3.5 mm
Wire Range	28–16 AWG Solid Conductor 28–16 AWG Stranded Conductor
Screw Driver Width	1/8 in (3.175 mm) Maximum
Screw Size	M2
Screw Torque	1.7 lb-in (0.4 N-m)



Productivity1000 Power Supplies

All Productivity1000 PLC CPUs require 24VDC input power from either a P1000 power supply or other 24VDC $\pm 2\%$ external power supply.

- **P1-01AC**: AC Input 85–132 / 170–264 VAC or 107–150VDC, 16W (Power for CPU and up to 8 Modules)
- **P1-01DC**: DC Input 12-24 VDC, 16W (Power for CPU and up to 8 Modules)
- The LG and minus terminals on the external power supply connection are internally shorted
- Use different 24VDC supplies for the CPU and inductive loads to keep the CPU power clean and free of voltage spikes caused by switching inductive loads



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)
Heat Dissipation	1670mW
Enclosure Type	Open Equipment
Weight	82g (2.9 oz)
Agency Approvals	UL 61010-2-201 file E139594, Canada & USA CE (EN61131-2 EMC, EN61010-1 and EN61010-2-201 Safety)

*See CE Declaration of Conformance for details.

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 770-844-4200.

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PWR
RUN
CPU

RX Status Indicators	
PWR	Green LED is backlit when power is on
RUN	Green LED is backlit to indicated when CPU has valid project file with RS configured.
CPU	Red LED is backlit during power reset, power down, or watch-dog time-out.

Document Name	Edition/Revision	Date
P1-RX-DS	1st Edition, Rev A	12/9/2020

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