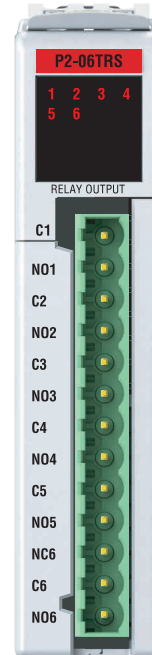


Output Specifications	
Outputs per Module	6
Rated Voltage	100–240 VAC / 30VDC
Operating Voltage Range	5–30 VDC 5–264 VAC
Output type	5 Relays, FORM A (SPST) 1 Relays, FORM C (SPDT)
AC Frequency	47 - 63 Hz
Maximum Output Current	7A / point @ 40°C, 6A / point at 60°C for both AC and DC
Minimum Load Current	5mA @ 5VDC
Maximum Inrush Current	10A for 10ms
OFF to ON Response	10ms
ON to OFF Response	10ms
Status Indicators	Logic Side (6 points)
Commons	6 Isolated (1 point / common)
Protection Circuit	12A Max Not built-in to module - Install Protection elements such as external fuse



P2-06TRS Relay Output

The P2-06TRS high-current isolated relay output module provides six surge-protected outputs for extended relay life. Module offers both normally open and normally closed relay contacts for use with the Productivity2000 system.

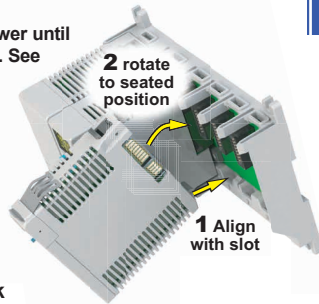
Output Specifications	1
Module Installation	2
QR Code	2
Hot Swap Information.....	2
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Wiring Diagram and Schematic.....	3
Warning	4
Typical Relay Life	4
Removable Terminal Block Specifications	4
General Specifications	4

Document Name	Edition/Revision	Date
P2-06TRS-DS	1st Edition, Rev A	2/13/2024

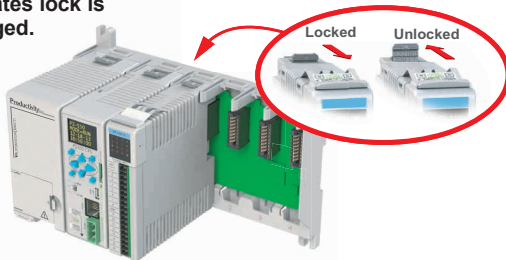
Module Installation

WARNING: Do not apply field power until the following steps are completed. See hot-swapping procedure for exceptions.

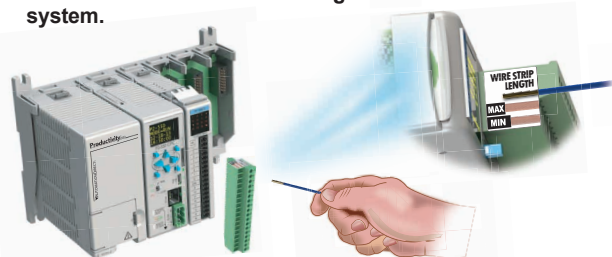
Step One: Align module catch with base slot and rotate module into connector.



Step Two: Pull top locking tab toward module face. Click indicates lock is engaged.



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



QR Code



Use any QR Code reader application to display the module's product insert.

Caution: If possible, remove field power prior to proceeding. If not, then **EXTREME** care **MUST** be taken to prevent damage to the module, or even personal injury due to a short circuit from the live terminal block.

Important Hot-Swap Information

The Productivity2000 supports hot-swap! Individual modules can be taken offline, removed, and replaced while the rest of the system continues controlling your process. Before attempting to use the hot-swap feature, be sure to read the hot-swap topic in the programming software's help file or our online documentation at AutomationDirect.com for details on how to plan your installation for use of this powerful feature.

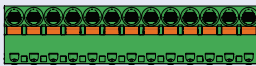
Wiring Options

1 Screw Terminal Block only



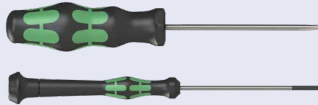
P2-RTB13
(Quantity 1)

2 Push Terminal Block only



P2-RTB13-1
(Quantity 1)

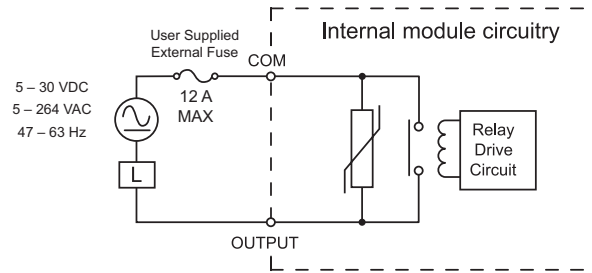
3 Accessories



TW-SD-SL-1

TW-SD-MSL-1

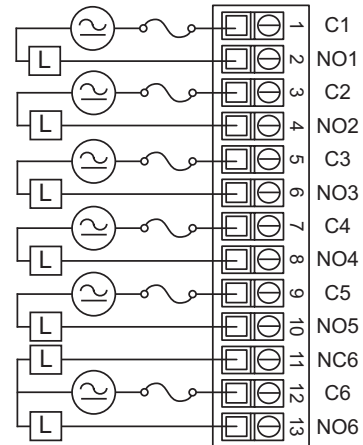
Wiring Diagram and Schematic



5 – 30 VDC

5 – 264 VAC

47 – 63 Hz



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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Typical Relay Life

Voltage & Type of Load	Operations at 4A Load Current
30VDC Resistive	100,000
30VDC Solenoid	100,000
120VAC Resistive	100,000
120VAC Solenoid	100,000

Removable Terminal Block Specifications

Part Number	P2-RTB13	P2-RTB13-1
Number of Positions	13 Screw Terminals, 5.08mm Terminal Block Plug	13 Push Terminals, 5.08mm Terminal Block Plug
Wire Range	24–12 AWG (0.25–4 mm ²) Solid / Stranded Conductor 3/64 in. (1.2 mm) Insulation Maximum 3/8 in. (9–10 mm) Strip Length	
Conductors	*USE COPPER CONDUCTORS, 75°C* or Equivalent.	
Screw Driver Width	0.13 inch (3.5 mm) Maximum*	N/A
Screw Size	M2.5	N/A
Screw Torque	4.4 lb-in (0.5 N·m)	N/A

*Recommend 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)
Altitude	2,000 meters max
Pollution Degree	2
Environmental Air	No corrosive gases permitted
Vibration	IEC60068-2-6 (Test Fc)
Shock	IEC60068-2-27 (Test Ea)
Overvoltage Category	II
Field to Logic Side Isolation	3000VAC applied for 5 seconds 1100VAC applied for 1 minute
Insulation Resistance	>10MΩ @ 500VDC
Heat Dissipation	3W
Enclosure Type	Open Equipment
Module Keying to Backplane	Electronic
Module Location	Any I/O slot in a Productivity2000 System.
Field Wiring	Use removable terminal block (not included). See "Wiring Options" on page 3.
Connector Type (not included)	13 position removable terminal block
Weight	148g (5.2 oz)
Agency Approvals	UL 61010-1 and UL 61010-2-201 File E139594, Canada and USA* CE (EN 61131-2 EMC, EN 61010-1 and EN 61010-2-201 Safety)**

*Per UL61010-2-201 mixed voltage use is restricted: Mixed use of 24VDC and 120VAC is allowed. Mixed use of 120VAC and 240VAC is allowed. Mixed use of 24VDC and 240VAC is not permitted.

**Meets EMC and Safety requirements. See the D.O.C. for details.