

# Input Simulator / Filler Module

## P3-16SIM \$197.00

### Input Simulator Module

The P3-16SIM Input Simulator module provides 16 toggle switches to simulate input devices.



| Input Specifications      |                        |
|---------------------------|------------------------|
| <b>Inputs per Module</b>  | 16 Internal switches   |
| <b>OFF to ON Response</b> | Max. 20ms              |
| <b>ON to OFF Response</b> | Max. 20ms              |
| <b>Status Indicators</b>  | Logic Side (16 points) |

| General Specifications       |                                                                                                                                                                                                              |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Operating Temperature</b> | 0°C– 60°C (32°F–140°F),                                                                                                                                                                                      |
| <b>Storage Temperature</b>   | -20°C–70°C (-4°F–158°F)                                                                                                                                                                                      |
| <b>Humidity</b>              | 5 to 95% (non-condensing)                                                                                                                                                                                    |
| <b>Environmental Air</b>     | No corrosive gases permitted                                                                                                                                                                                 |
| <b>Vibration</b>             | IEC60068-2-6 (Test Fc)                                                                                                                                                                                       |
| <b>Shock</b>                 | IEC60068-2-27 (Test Ea)                                                                                                                                                                                      |
| <b>Heat Dissipation</b>      | 0.25 W                                                                                                                                                                                                       |
| <b>Enclosure Type</b>        | Open equipment                                                                                                                                                                                               |
| <b>Module Location</b>       | Any I/O slot in any local, expansion, or remote base in a Productivity3000® System.                                                                                                                          |
| <b>Weight</b>                | 120g (4.23 oz)                                                                                                                                                                                               |
| <b>Agency Approvals</b>      | UL508 file E157382, Canada & USA<br>UL1604 file E200031, Canada & USA<br>CE (EN61131-2*)<br>This equipment is suitable for use in Class 1, Division 2, Groups A, B, C and D or non-hazardous locations only. |

\*Meets EMC and Safety requirements. See the Declaration of Conformity for details.

**WARNING:** EXPLOSION HAZARD – SUBSTITUTION OF COMPONENTS MAY IMPAIR SUITABILITY FOR CLASS I, DIVISION 2.

## P3-FILL \$32.00

### Filler Module

The P3-FILL filler module protects unused I/O module slots in the base.



# I/O Modules

A variety of discrete, analog and specialty I/O modules are available for use in local, expansion, and remote I/O bases. Specifications for each module are on the following pages.

A filler module is available for unused I/O module slots (part number P3-FILL).

## Discrete Input Modules

| Productivity3000 Discrete Input Modules |                  |                                    |          |
|-----------------------------------------|------------------|------------------------------------|----------|
| Part Number                             | Number of Inputs | Description                        | Price    |
| P3-16SIM                                | 16               | Input Simulator Module             | \$197.00 |
| P3-08ND3S                               | 8                | Isolated Sinking/Sourcing DC Input | \$99.00  |
| P3-16ND3                                | 16               | Sinking/Sourcing DC Input          | \$152.00 |
| P3-32ND3                                | 32               | Sinking/Sourcing DC Input          | \$208.00 |
| P3-64ND3                                | 64               | Sinking/Sourcing DC Input          | \$260.00 |
| P3-08NAS                                | 8                | Isolated AC Input                  | \$126.00 |
| P3-16NA                                 | 16               | AC Input                           | \$159.00 |

\*ZIPLink required.

## Discrete Output Modules

| Productivity3000 Discrete Output Modules |                   |                          |          |
|------------------------------------------|-------------------|--------------------------|----------|
| Part Number                              | Number of Outputs | Description              | Price    |
| P3-08TD1S                                | 8                 | Isolated Sinking Output  | \$135.00 |
| P3-08TD2S                                | 8                 | Isolated Sourcing Output | \$141.00 |
| P3-16TD1                                 | 16                | Sinking Output           | \$162.00 |
| P3-16TD2                                 | 16                | Sourcing Output          | \$167.00 |
| P3-32TD1*                                | 32                | Sinking Output           | \$208.00 |
| P3-32TD2*                                | 32                | Sourcing Output          | \$208.00 |
| P3-64TD1*                                | *64               | Sinking Output           | \$280.00 |
| P3-64TD2*                                | *64               | Sourcing Output          | \$265.00 |
| P3-08TAS                                 | 8                 | Isolated AC Output       | \$177.00 |
| P3-16TA                                  | 16                | AC Output                | \$210.00 |
| P3-08TRS                                 | 8                 | Isolated Relay Output    | \$159.00 |
| P3-08TRS-1                               | 8                 | Isolated Relay Output    | \$194.00 |
| P3-16TR                                  | 16                | Relay Output             | \$177.00 |

\*ZIPLink required.

## Analog I/O Modules

| Productivity3000 Analog Input Modules |                    |                           |          |
|---------------------------------------|--------------------|---------------------------|----------|
| Part Number                           | Number of Channels | Description               | Price    |
| P3-04ADS                              | 4                  | Isolated Analog Input     | \$724.00 |
| P3-08AD                               | 8                  | Analog Input              | \$393.00 |
| P3-16AD-1                             | 16                 | Analog Input (Current)    | \$535.00 |
| P3-16AD-2                             | 16                 | Analog Input (Voltage)    | \$524.00 |
| P3-08RTD                              | 8                  | Analog RTD Input          | \$581.00 |
| P3-08THM                              | 8                  | Analog Thermocouple Input | \$736.00 |

| Productivity3000 Analog Output Modules |                    |                         |          |
|----------------------------------------|--------------------|-------------------------|----------|
| Part Number                            | Number of Channels | Description             | Price    |
| P3-04DA                                | 4                  | Analog Output           | \$449.00 |
| P3-08DA-1                              | 8                  | Analog Output (Current) | \$779.00 |
| P3-08DA-2                              | 8                  | Analog Output (Voltage) | \$725.00 |
| P3-16DA-1                              | 16                 | Analog Output (Current) | \$929.00 |
| P3-16DA-2                              | 16                 | Analog Output (Voltage) | \$911.00 |

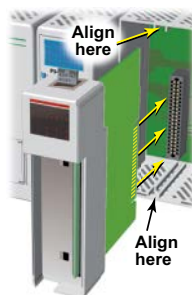
| Productivity3000 Analog Input/Output Modules |                    |                               |          |
|----------------------------------------------|--------------------|-------------------------------|----------|
| Part Number                                  | Number of Channels | Description                   | Price    |
| P3-8AD4DA-1                                  | 8/4                | Analog Input/Output (Current) | \$598.00 |
| P3-8AD4DA-2                                  | 8/4                | Analog Input/Output (Voltage) | \$617.00 |

## Specialty Modules

| Productivity3000 Specialty Modules |                    |                              |          |
|------------------------------------|--------------------|------------------------------|----------|
| Part Number                        | Number of Channels | Description                  | Price    |
| P3-HSI                             | 2                  | High-Speed Pulse Input       | \$563.00 |
| P3-HSO*                            | 2                  | High-Speed Output            | \$587.00 |
| P3-SCM                             | 4 ports            | Serial Communications Module | \$475.00 |

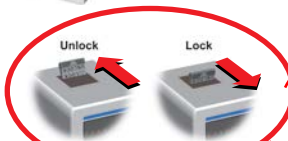
\*ZIPLink required.

## Module Installation Procedure



**WARNING:** DO NOT APPLY FIELD POWER UNTIL THE FOLLOWING STEPS ARE COMPLETED. SEE HOT-SWAPPING PROCEDURE FOR EXCEPTIONS.

**Step One:** Align circuit card with slot and press firmly to seat module into connector.

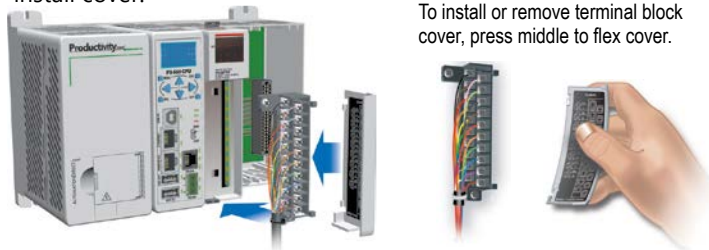


**Step Two:** Pull top and bottom locking tabs toward module face. Click indicates lock is engaged.

**Step Three:** Attach field wiring using optional terminal block or ZIPLink wiring system and install cover.



To install or remove terminal block cover, press middle to flex cover.



**WARNING:** EXPLOSION HAZARD – DO NOT CONNECT OR DISCONNECT CONNECTORS OR OPERATE SWITCHES WHILE CIRCUIT IS LIVE UNLESS THE AREA IS KNOWN TO BE NON-HAZARDOUS. DO NOT HOT-SWAP MODULES UNLESS THE AREA IS KNOWN TO BE NON-HAZARDOUS.