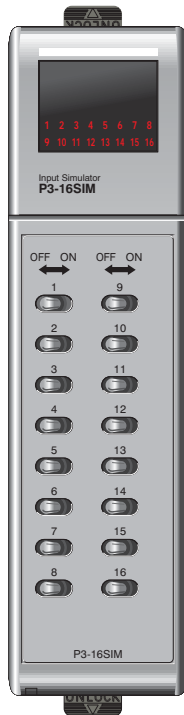


Input Simulator / Filler Module

P3-16SIM <--->

Input Simulator Module

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



Input Specifications

| | |
|--------------------|------------------------|
| Inputs per Module | 16 Internal switches |
| OFF to ON Response | Max. 20 ms |
| ON to OFF Response | Max. 20 ms |
| Status Indicators | Logic Side (16 points) |

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 | 0.25W |
| Enclosure Type | Open Equipment |
| Agency Approvals | UL508 file E157382, Canada & USA UL1604 file E200031, Canada & USA CE (EN61131-2*) This equipment is suitable for use in Class 1, Division 2, Groups A, B, C and D or non-hazardous locations only. |
| Module Location | Any I/O slot in any local, expansion, or remote base in a Productivity3000 System. |
| EU Directive | See the "EU Directive" topic in the Productivity3000 Help File. Information can also be obtained at: www.productivitypac.com |
| Weight | 120g (4.23 oz) |

*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 <--->

Filler Module

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



I/O Modules

A variety of discrete and analog 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 | <---> |
| P3-08ND3S | 8 | Isolated Sinking/Sourcing DC Input | <---> |
| P3-16ND3 | 16 | Sinking/Sourcing DC Input | <---> |
| P3-32ND3* | 32 | Sinking/Sourcing DC Input | <---> |
| P3-64ND3* | 64 | Sinking/Sourcing DC Input | <---> |
| P3-08NAS | 8 | Isolated AC Input | <---> |
| P3-16NA | 16 | AC Input | <---> |

*ZIPLink required.

Analog I/O Modules

| Productivity3000 Analog Input Modules | | | |
|---------------------------------------|--------------------|---------------------------|-------|
| Part Number | Number of Channels | Description | Price |
| P3-04ADS | 4 | Isolated Analog Input | <---> |
| P3-08AD | 8 | Analog Input | <---> |
| P3-16AD-1 | 16 | Analog Input (Current) | <---> |
| P3-16AD-2 | 16 | Analog Input (Voltage) | <---> |
| P3-08RTD | 8 | Analog RTD Input | <---> |
| P3-08THM | 8 | Analog Thermocouple Input | <---> |

| Productivity3000 Analog Output Modules | | | |
|--|--------------------|----------------------------------|-------|
| Part Number | Number of Channels | Description | Price |
| P3-04DA | 4 | Analog Output | <---> |
| P3-08DA-1 | 8 | Analog Output (Current) | <---> |
| P3-08DA-2 | 8 | Analog Output (Voltage) | <---> |
| P3-06DAS-1 | 6 | Isolated Analog Output (Current) | <---> |
| P3-06DAS-2 | 6 | Isolated Analog Output (Voltage) | <---> |
| P3-16DA-1 | 16 | Analog Output (Current) | <---> |
| P3-16DA-2 | 16 | Analog Output (Voltage) | <---> |

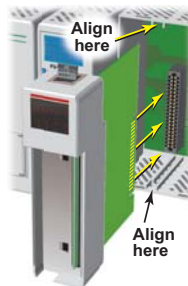
| Productivity3000 Analog Input/Output Modules | | | |
|--|--------------------|-------------------------------|-------|
| Part Number | Number of Channels | Description | Price |
| P3-8AD4DA-1 | 8/4 | Analog Input/Output (Current) | <---> |
| P3-8AD4DA-2 | 8/4 | Analog Input/Output (Voltage) | <--->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

Discrete Output Modules

| Productivity3000 Discrete Output Modules | | | |
|--|-------------------|--------------------------|-------|
| Part Number | Number of Outputs | Description | Price |
| P3-08TD1S | 8 | Isolated Sinking Output | <---> |
| P3-08TD2S | 8 | Isolated Sourcing Output | <---> |
| P3-16TD1 | 16 | Sinking Output | <---> |
| P3-16TD2 | 16 | Sourcing Output | <---> |
| P3-32TD1* | 32 | Sinking Output | <---> |
| P3-32TD2* | 32 | Sourcing Output | <---> |
| P3-64TD1* | 64 | Sinking Output | <---> |
| P3-64TD2* | 64 | Sourcing Output | <---> |
| P3-08TAS | 8 | Isolated AC Output | <---> |
| P3-16TA | 16 | AC Output | <---> |
| P3-08TRS | 8 | Isolated Relay Output | <---> |
| P3-16TR | 16 | Relay Output | <---> |
| P3-08TRS-1 | 8 | Isolated Relay Output | <---> |

*ZIPLink required.

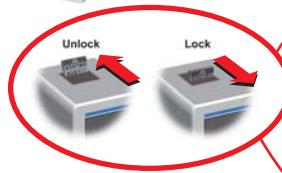
Module Installation Procedure



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.