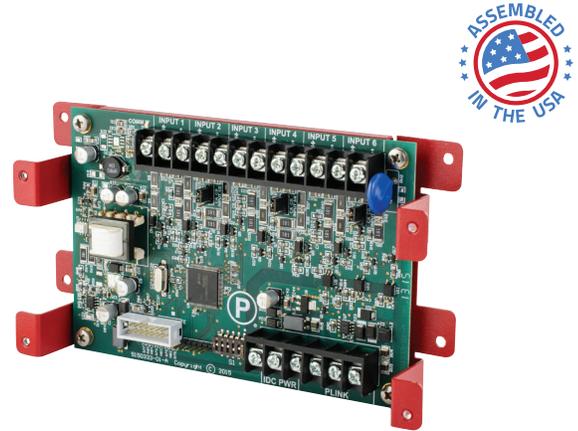


Features

- Mounts with included stacker bracket
- May mount in panel, accessory cabinet, AE-2, AE-8 or AE-14 Accessory Cabinets or the PSN-1000/E Power Supply
- Provides 6 IDC Input Circuits
- Maximum 31 IDC-6 per panel
- Maximum P-Link wire length of 20 feet.



Description

The Initiating Device Circuit Expander (IDC-6) provides an additional 6 inputs per module. The panel supports up to thirty-one (31) IDC-6 modules. The circuits are power-limited and supervised. All inputs are suitable to monitor 2-wire smoke detectors. Smoke detectors shall be installed in compliance with NFPA 72. Inputs can also be used for automatic, manual, waterflow or supervisory service. The IDC-6 communicates via the P-Link communication bus. The IDC-6 can be mounted in either the control panel cabinet, the intelligent power supply, AE-2, AE-8 or the AE-14 expander cabinet. Each card is mounted to the exclusive Stacker Bracket for secure and accessible mounting.

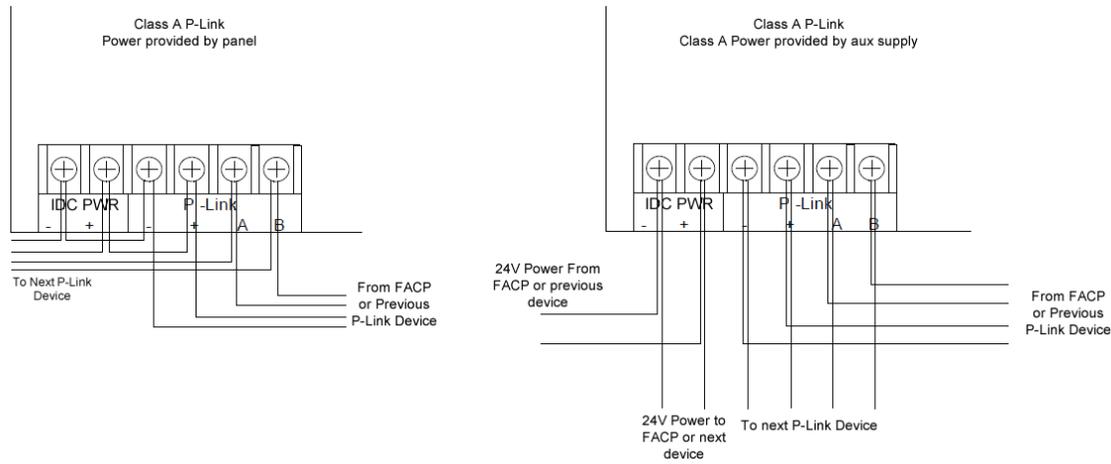
Installation

The IDC-6 is connected to the fire control panels using a 4-wire RS-485 connection. The connection is power limited and supervised. The IDC-6 must be mounted in either a compatible fire alarm panel, the PSN-1000, or within 20 feet of the panel or power supply using the AE-2, AE-8, or the AE-14 expander cabinet. Each card is mounted to the exclusive Stacker Bracket for secure and accessible mounting.

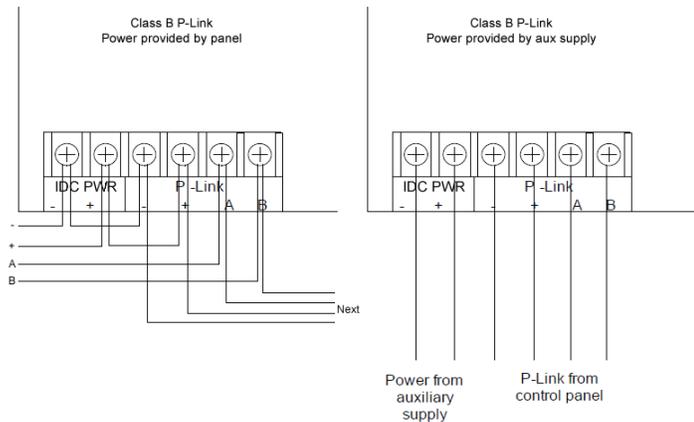
Technical Specifications

P-Link Standby Current	20 mA
P-Link Alarm Current	20 mA
IDC PWR Standby Current	30 mA (maximum Standby)
IDC PWR Alarm Current	270 mA (maximum Alarm)
Input Zone Wiring Resistance	100 ohms max
Input Zone Capacitance	1 mF max
Input Zone Short Circuit Current	47 mA
Operating Temperature Range	32° to 120°F (0° to 49° C)
Operating Humidity Range	10%-93% (non-condensing)
Max no. of IDC-6 Expanders	31
Dimensions	(WxHxD) 4" x 6" x 1 1/8"
Compatible Panels	IPA Series, AFC/ARC Series, PFC-4064

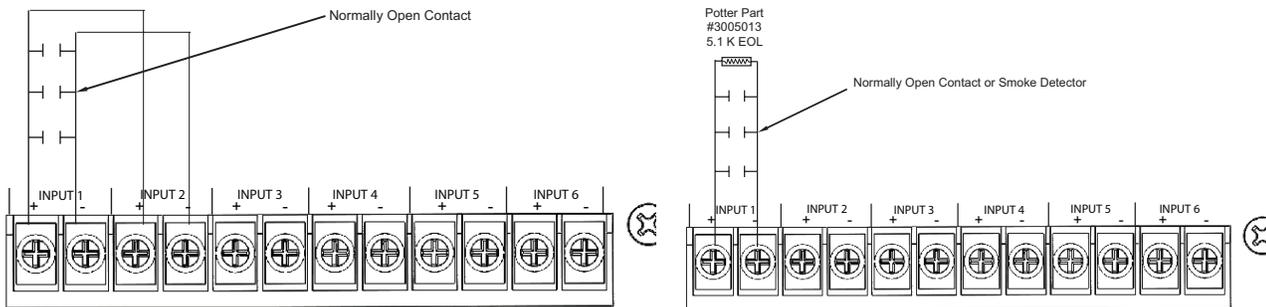
Class A P-Link and IDC Power Wiring



Class B P-Link and IDC Power Wiring



IDC-6 Module Class A (Left) or Class B (Right) Wiring Example



Ordering Information

Model	Description	Stock No.
IDC-6	Circuit Expander	3992362