

### Unlimited Voltage Combinations, All Network Managed

This step-down converter economically provides another user-selectable voltage, in addition to the one from the power supply. When combined with a LifeSafety Power NetLink® module, it expands the ability to monitor, control and manage pieces of the power system.

### Overview

The B150 smart programmable step-down converter provides an additional voltage in a FlexPower system by converting a higher input voltage down to a lower output voltage. Primary power for the B150 is derived from a LifeSafety Power power supply which the B150 steps down to a user defined range (typically 12VDC\*). An on-board LED display provides real-time values for voltage, current, and power.

The B150 is jumper selectable for either a fixed 12VDC or an adjustable range between 3–18VDC @ 6 Amps current. Multiple B150s can be added to a system for virtually unlimited voltage combinations.

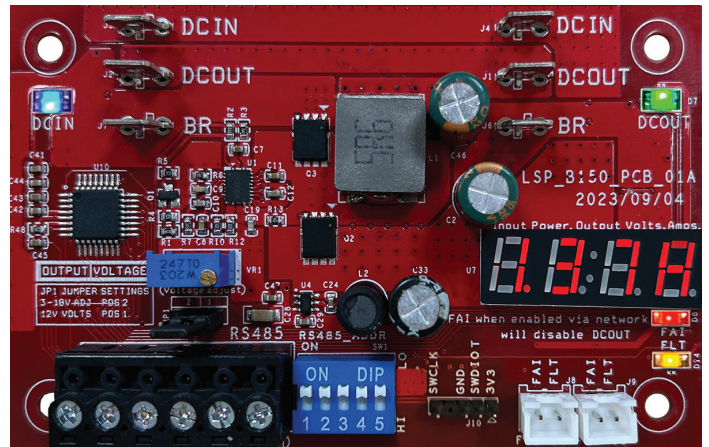
The B150 may be used with a NetLink network communication module via RS485 for fault, voltage, and current monitoring, power cycling the output, and programming Fire Alarm Interface (FAI) activation.

\*See B150 User Manual for complete capability.

### Specifications

Parameter	Rating
Input Voltage (FPO Series Power Supply)	9.4–30VDC
Output Voltage (Jumper Select)	12VDC (Fixed) or 3–18VDC (User Adjustable)
Output Current (Class 2 Power Limited)	6 Amps (Maximum)
Efficiency	95%
Output Ripple (12V @ 6A)	< 100 mVp-p
Line Regulation (12V @ 6A)	<0.1±%
Load Regulation (12V)	0.5 ±%
Humidity	0–93% RHNC (90°F / 32°C max)
Operating Temperature	32°F–120°F (0°C–49°C)
Storage Temperature	-22°F–158°F (-30°C–0°C)

\*Input voltage must be a minimum of 3V higher than output voltage.



### Features

#### Enables Dual- or Multi-Voltage Power Systems

- Jumper selectable output voltage
  - 12VDC fixed
  - 3–18VDC user adjustable
- 6 Amps maximum current at any selected voltage
- Multiple B150 modules can be used to create a multi-voltage system.

#### Unique Applications

- Provides the unique voltage required to power modems, routers and other IT or similar devices (ie., 5V, 9V, 15V)
- Eliminates need for a 12V battery set in dual-voltage access power systems
- Small size allows dual voltage in a smaller enclosure

#### On-Board Protection

- Over load protection
- Over temperature protection
- Short circuit protection

### Agency Listings

#### Domestic and International Certifications

UL 294, UL 2610, FCC Part 15, Subpart B, ULC S533, ULC 60839-11-1

### Ordering

Model	Dimensions	Weight
B150	4"H x 2.5"W x 1.5"D	.25 lb

Provided with cables and mounting hardware.



**Features (continued)**

**Fault Reporting (to host power supply)**

- Abnormal operation
- Voltage loss
- Over current

**Visual Indicators**

- DC-in / DC-out FAI, and Fault
- LED display of output voltage, current, and power
- OutSmart input and output LEDs indicate voltage by color (<15V/Green, >15V/Blue)

**Network Management Optional**

- Monitoring and reporting power systems for Output condition, system integrity, and battery health
- Remote diagnostics and service features
  - Programmable upper and lower threshold limits
  - Individual output monitoring and reporting for current draw, voltage level, power draw, cycle count
  - Remotely power cycling individual outputs
- Email alerts
  - Fire alarm activation
  - Abnormal condition, outside of programmed threshold limits
- RS485 data connection to NetLink modules

**Lifetime Warranty**

- High efficiency circuit of greater than 90% provides less heat generation leading to a longer service life and lower Mean Time Between Failure (MTBF).

**B150 Status and Programming Screens** *As viewed from a NetLink module when connected via RS485*

Input Indicator	<span style="color: blue;">●</span>
Output Indicator	<span style="color: green;">●</span>
Input Voltage	25.133 V
Output Voltage	12.409 V
Input Current	0.067 A
Output Current	0.027 A
Input Power	1.683 W
Output Power	0.335 W
FAI State	Disabled
Output Status	Normal

Close Time: 0 Sec Close Output

Input Voltage Lower Limit	8.000 V	Input Voltage Upper Limit	30.500 V
Input Current Lower Limit	0.000 A	Input Current Upper Limit	6.600 A
Output Voltage Lower Limit	2.500 V	Output Voltage Upper Limit	19.200 V
Output Current Lower Limit	0.000 A	Output Current Upper Limit	6.600 A
Email Alert On Fault	No	Disable Output On FAI	No
Input Voltage Lower Limit of Cutoff	7.500 V	Input Voltage Upper Limit of Cutoff	31.000 V
Input Current Upper Limit of Cutoff	7.000 A	Output Current Upper Limit of Cutoff	7.000 A
Output Voltage Lower Limit of Cutoff	2.000 V	Output Voltage Upper Limit of Cutoff	19.500 V



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