OVERVIEW

Traditionally, connecting a power supply to distribution modules requires individual wires to be connected between the boards using screw terminals. These distribution modules are also typically limited to a single voltage input.

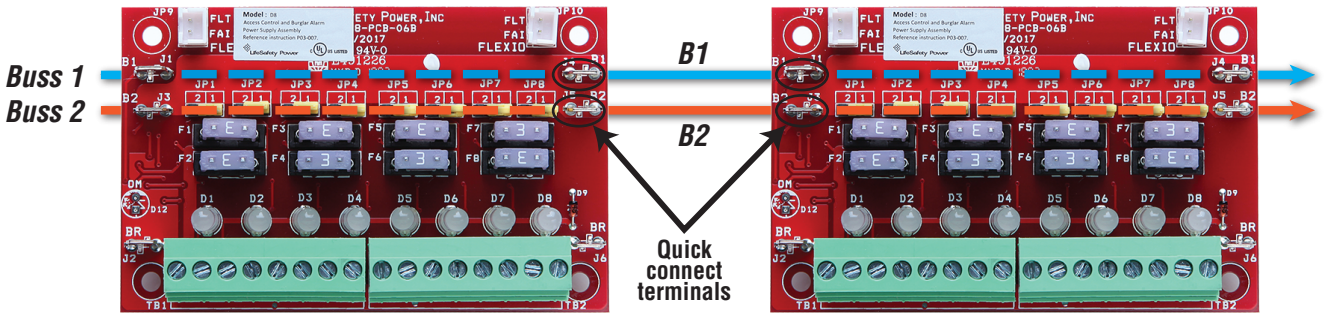
All LSP FlexPower power supply systems utilize the innovative *FlexConnect Buss Architecture* to distribute multiple voltages and control signals to all accessory boards in a FlexPower system.

The FlexConnect system allows connection of any LSP accessory board via quick disconnect terminals and plug-in wire harnesses, allowing virtually unlimited combinations of LSP accessory boards to be used together and expanded on the job site. (Fig. 1)

SYSTEM BENEFITS

- Ease of connection of accessory boards in the field via plug-in connections
- Versatility of accessory board combinations
- BOTH voltages available on all distribution or control boards, selectable by individual output, in dual voltage systems
- All FAI-capable accessory boards in a system will activate off of a single FAI input on the FPO power supply

Figure 1



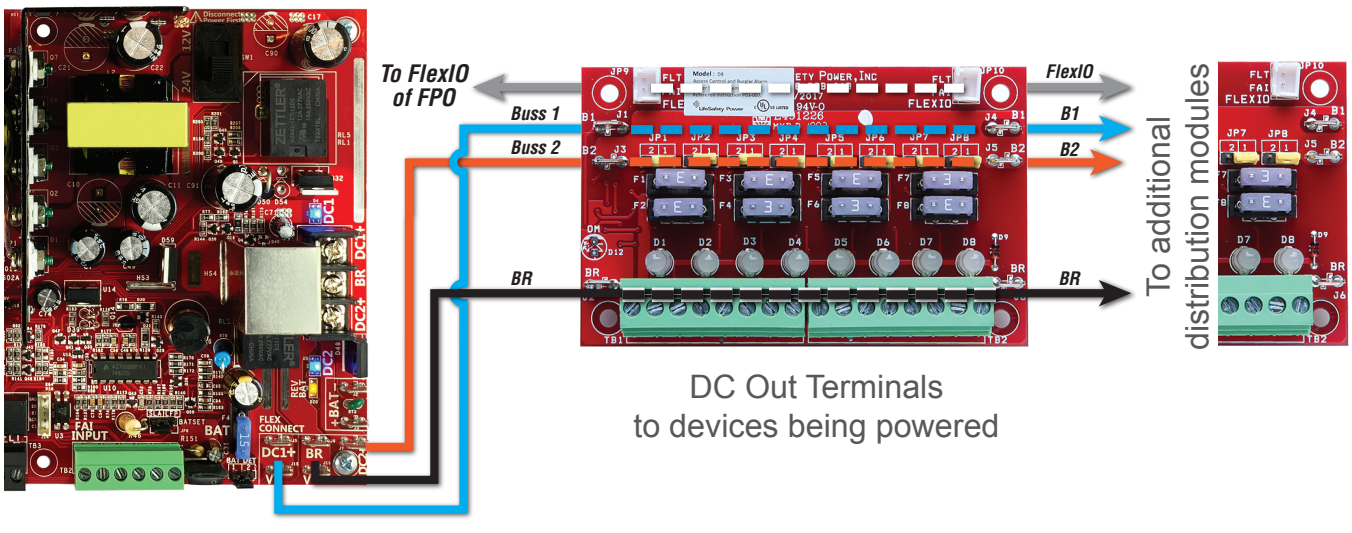
BASIC BUSS ARCHITECTURE

All FlexPower modules pass two power busses and one control buss through them.

These busses include the primary voltage (Buss 1), the optional secondary voltage (Buss 2), System Common (BR), and the FAI and FlexIO Fault signals. (Fig. 2.)

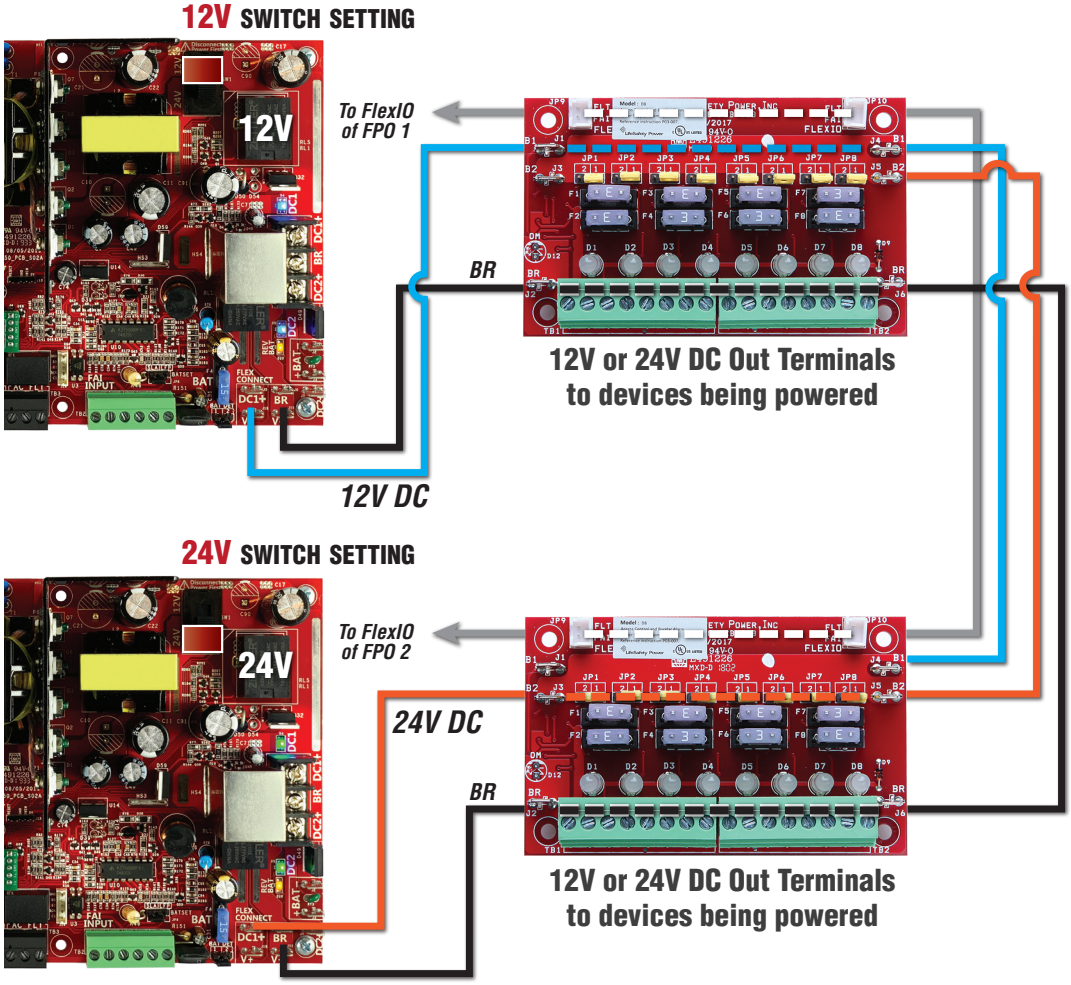
Each distribution or control accessory has two connections for each of these busses.

Figure 2



APPLICATION EXAMPLE

FlexConnect wiring example for a 12V and 24V dual voltage system.



ACCESSORY BOARD ORDERING

The specific LifeSafety Power part number is:

Model Number	Description
B100	DC to DC converter provides +12VDC or adjustable voltage of 5 to 18VDC
C4	4 input, 4 output lock controller, fuse protected
C4P	4 input, 4 output lock controller, power limited
C8	8 input, 8 output lock controller, fuse protected
C8P	8 input, 8 output lock controller, power limited
D8	8 output DC power distribution module, fuse protected
D8P	8 output DC power distribution module, power limited
F8	8 output programmable power distribution module, fuse protected
F8P	8 output programmable power distribution module, power limited

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