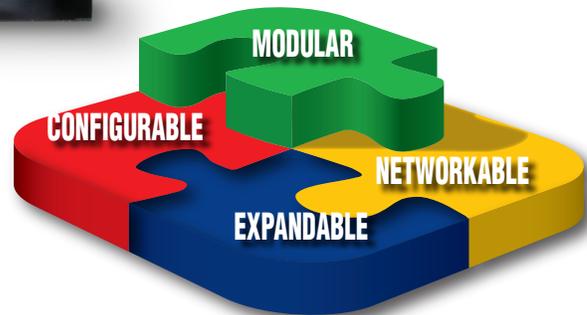


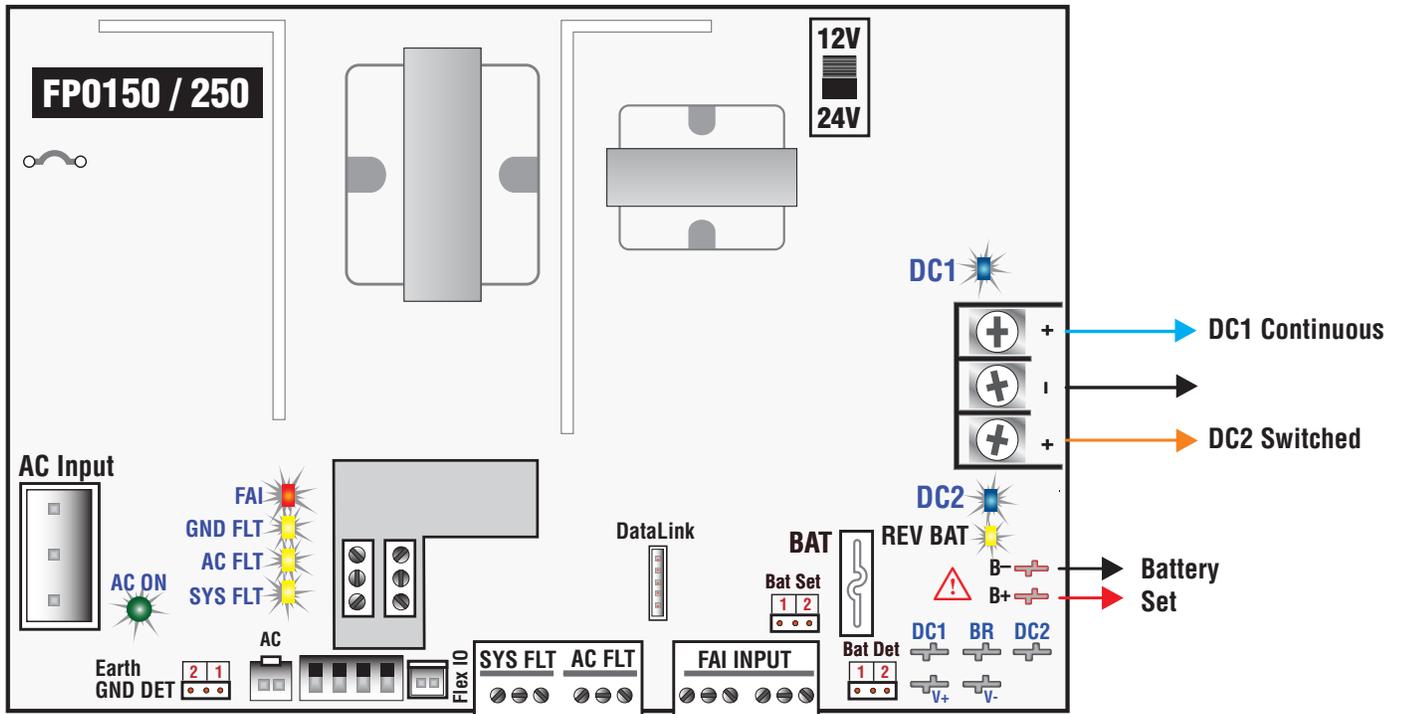
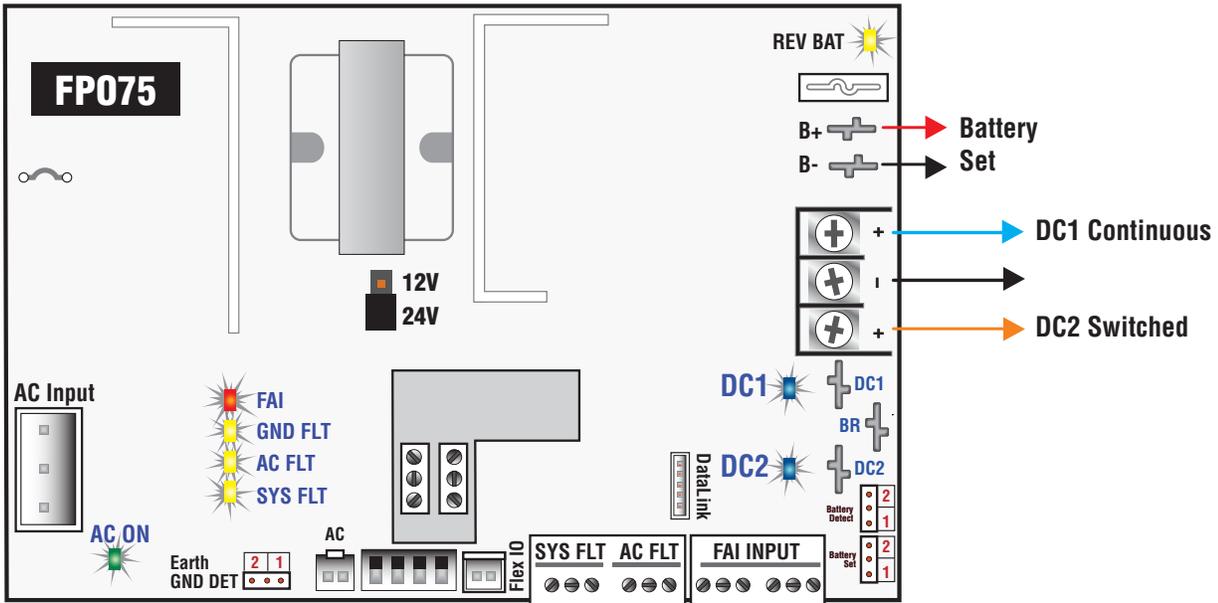
## OVERVIEW

The FPO power supply line allows the user to build a modular power system with one or more voltages and various voltage distribution options. This application note will give the user a thorough understanding of using the FPO power supply boards in basic single, dual, and multi-voltage configurations.



**SINGLE VOLTAGE COMMON POWER SUPPLY**

Wiring connections to use an FP075, 150, or 250 as a power supply with two outputs.  
 DC1 is a continuous output, DC2 is switched in response to the FAI input.

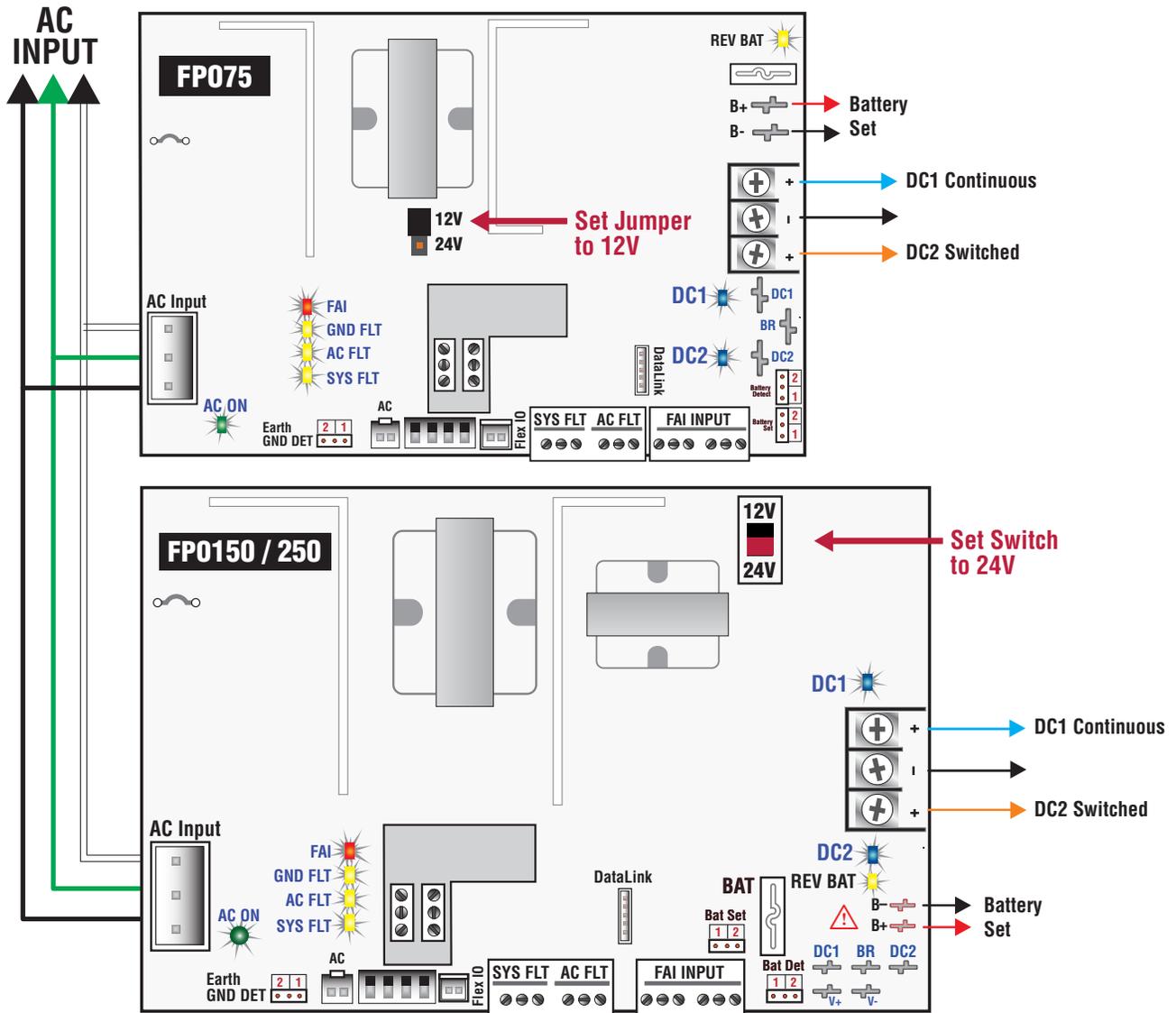


### DUAL DUAL VOLTAGE COMMON POWER SUPPLY USING TWO FPOS

Wiring connections to use a combination of two FP075, 150, or 250 boards as a dual power supply, each with two outputs. DC1 is a continuous output, DC2 is switched in response to the FAI input.

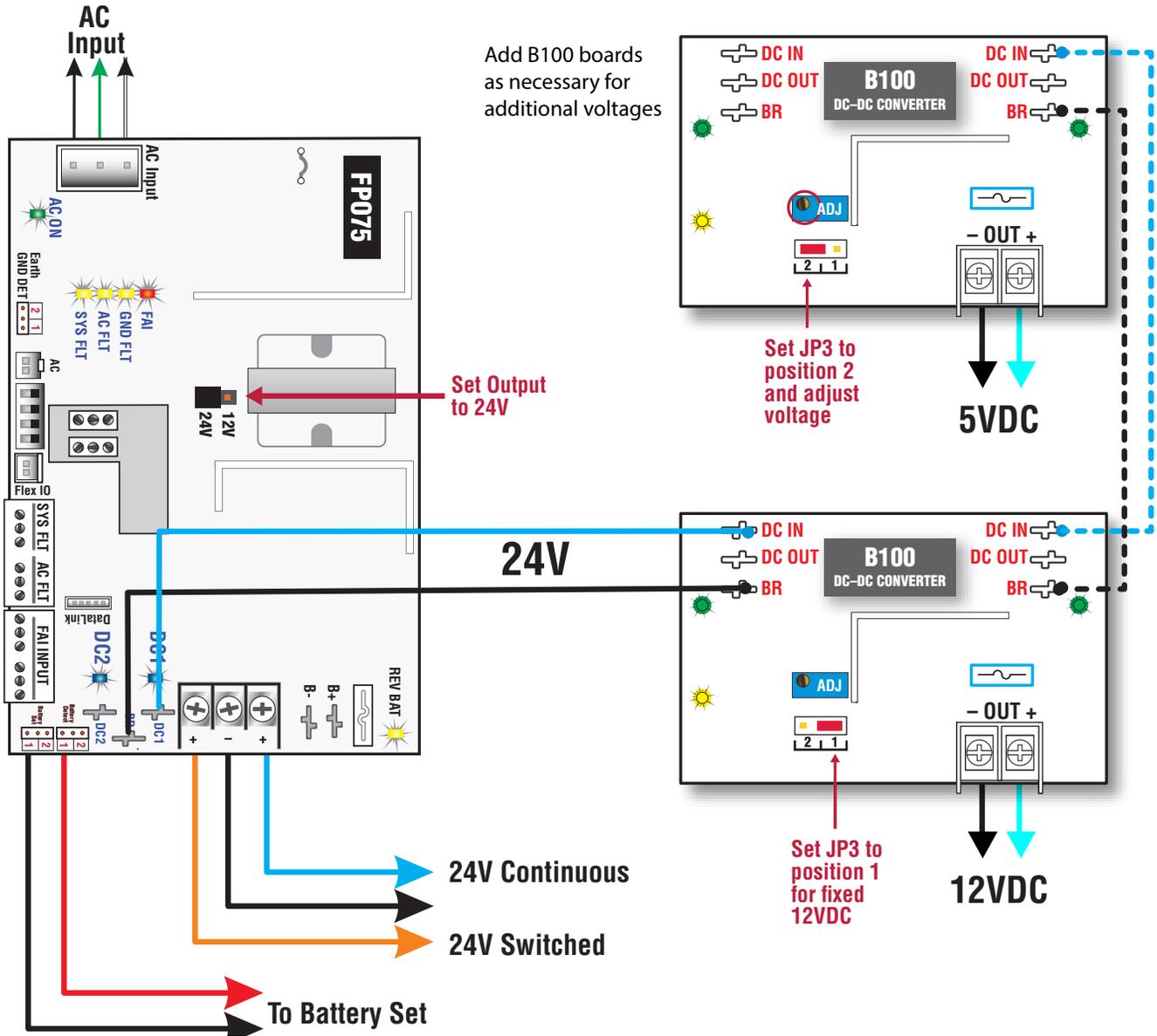
The FAI input may be connected to a switched voltage or a relay contact to switch DC2 OFF. See AN27 for more information on using the FAI Input.

This system is typical of a 12 and 24V dual voltage system.



**MULTI-VOLTAGE COMMON POWER SUPPLY USING B100S**

Wiring connections to use an FP075, 150 or 250 and two B100 DC-DC converters as a triple voltage power supply. DC2 may be switched in response to the FAI input.



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