

# gen<sup>2</sup> Panel Wiring Schematics



OFFICE FURNITURE®  
Manufactured by National Office

## Circuit Specifications

Two options are available for Avenir— 3-circuit (P3) and 4-circuit (P4).

All the components in an electrical distribution network must use the same wiring schematic. The components (power poles, base power-ins, powerways, and receptacles) snap together and are keyed to make it impossible to connect mismatched parts. Color-coded and labeled components make it easy for installers to identify which wiring schematic each component is dedicated to.

### Electrical Data:

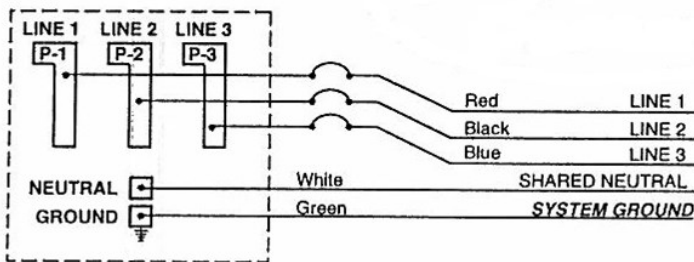
125 V 60HZ 20 AMP USA/Canada  
208Y/120 VAC 3-Phase Service  
250/125 VAC 1-Phase Service

Wiring schematics must be following to prevent overloading of the neutrals.

### Warning

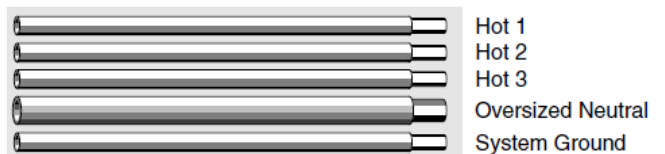
**Risk of fire or electric shock:** This office furnishing system may be connected to more than one source of supply. All sources must be disconnected prior to any servicing. No single circuit may be powered by more than one source.

### 3 Circuit, Shared Neutral

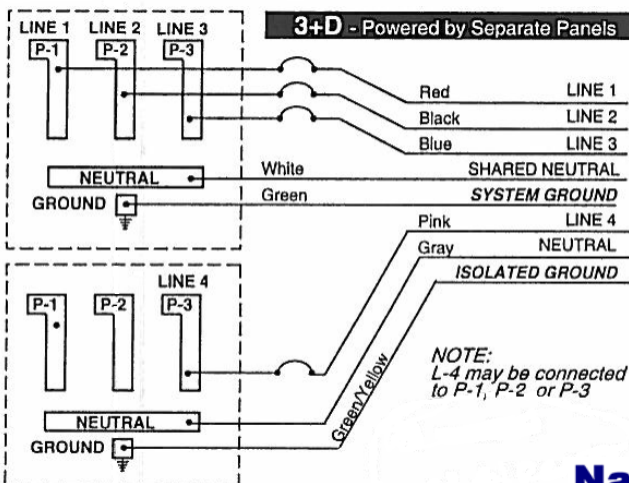


**Three-circuit (P3)** electrical components with shared neutrals are standard with 5 wires to provide three circuits that share one oversized neutral and one ground. This is the traditional 3-circuit power alternative that is specified by adding the suffix P3 to the panel style number

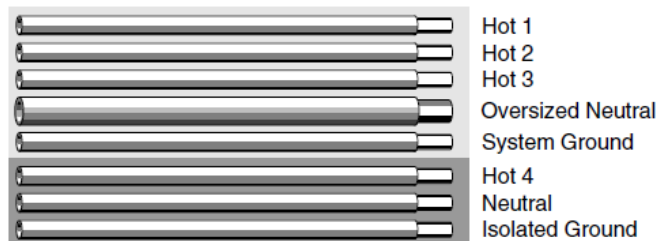
### 3 Circuit Shared Neutral, 5 Wires



**Four-circuit 3+D (P4)** are standard with 8 wires to provide four circuits. Three of these circuits share an oversized neutral and a system ground while the remaining circuit has its own neutral and isolated ground. This is the traditional 4-circuit power, also known as 3+D, that is specified by adding the suffix P4 to the panel style number.



### 4 Circuit 3+D, 8 Wires



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