

Application Brief - New 120/240 Volt Panels

Blue Sea Systems now offers five 120/240 volt panels. One is a 240V AC main breaker only. The other four panels have 240V AC main circuit breakers, Digital or Analog meters, and 240V AC branch circuits. Two of the panels provide 240V AC source selection for 2 sources. They can function as 240V AC panels with main and branch circuit protection or can be used in conjunction with 120 volt AC panels for 120V AC branch circuit distribution.

The panels have 3 pole main circuit breakers and double pole branch circuit breakers. 240V AC supplies consist of 2 hot lines, one neutral line, and ground. Between the 2 hot lines the voltage measured is 240V AC. Between either one of the hot lines and neutral the voltage measured is 120V AC. This allows each hot line to supply a 120V AC source if needed.

The panels can supply 240V AC branch circuits or 2 120V AC load groups whether they are 2 separate AC branch distribution panels or a panel with 2 separate load groups. An example of this configuration is the Blue Sea Systems 7370 120/240V AC panel supplying two 8480 120V AC panels, see Fig. 1. Another option is to use 7370 120/240V AC panel supplying an 8461 120V AC panel, dividing the 120V AC legs between the 2 columns of breakers, see Fig. 2.

Fig. 1

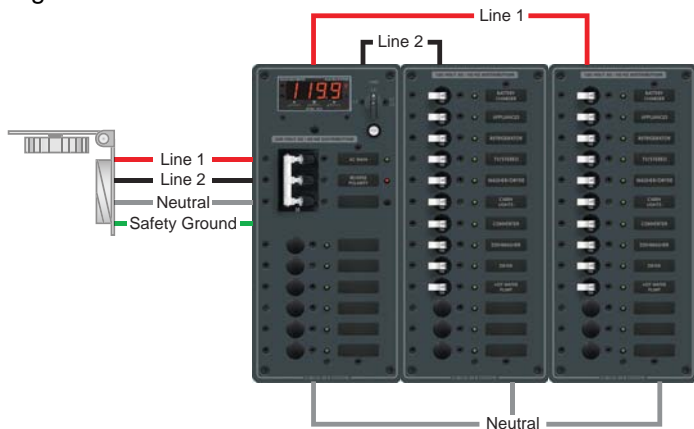
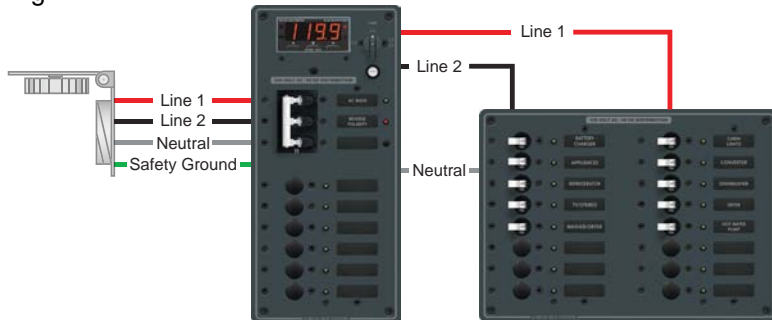


Fig. 2



For details about the installations, please consult the panel instructions. See our new catalog or website for our full selection of electrical distribution panels.