

DNA Line Filter Connected In Isolation Mode

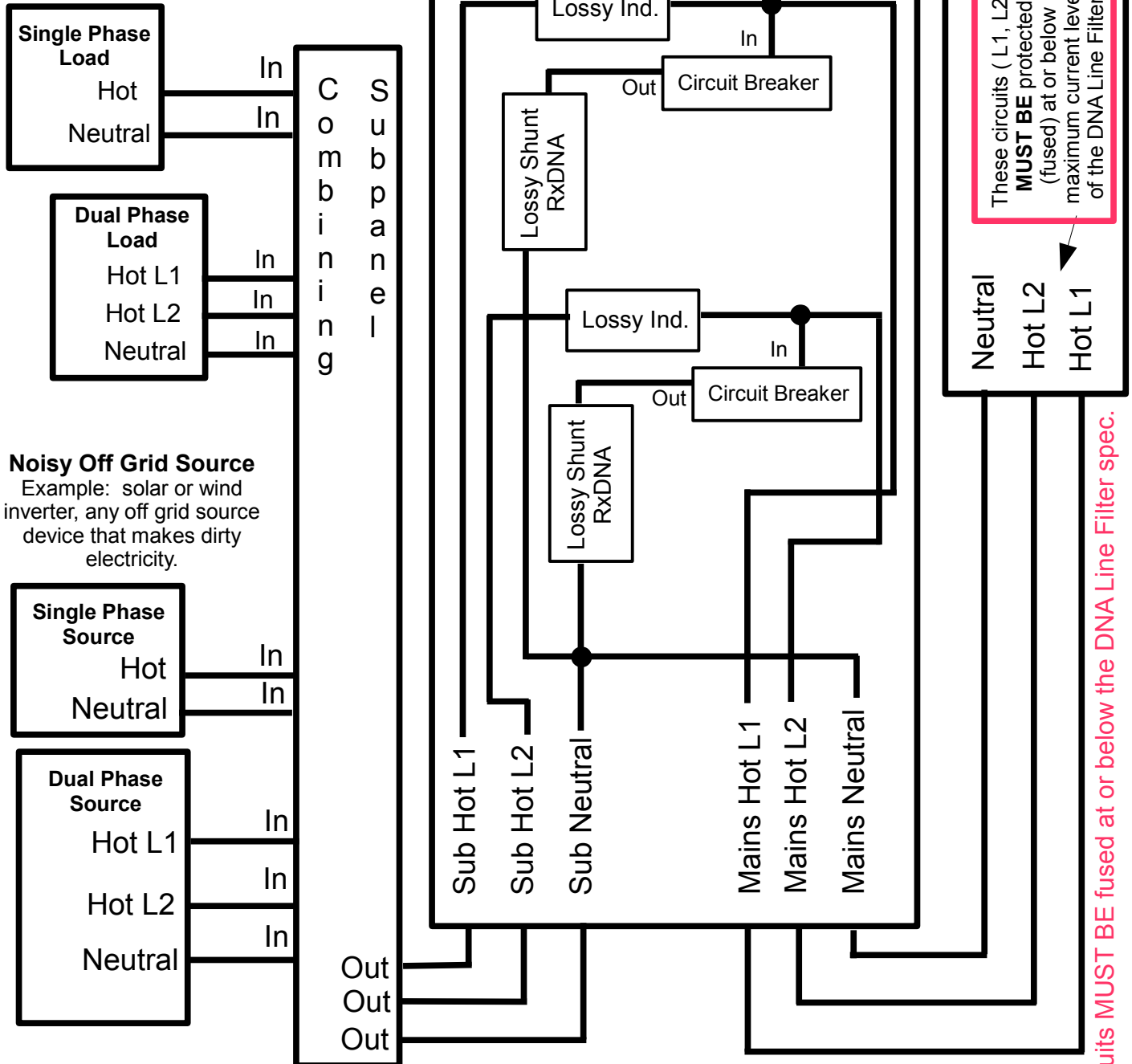
Single and Dual Phase Connections On Subpanel R1

Noisy Load

Example: Pool pump with noisy switching converter, variable speed pump, variable speed HVAC, car charging regulator, any device that is a load and makes dirty electricity, Single or Dual Phase.

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Mains Circuit Breaker Panel



Very, Very Important

In this drawing, the designation "Sub" refers to the source of Dirty Electricity (DE). It may or may not be the source of 50/60 Hz power. **Examples Follow:**

- For an inverter for a solar or wind generation source, the Solar or Wind Inverter output connects to the "Sub" terminal of the DNA filter.
- For filtering all of the power from a power utility provider, the 50/60 Hz power source from the utility provider, connects to the "Sub" terminal of the DNA filter (**properly fused !**).
- For DE-generating load, e.g. pool-pump, switching HVAC, etc, the 50/60 Hz power connects to the "Mains" terminals, and the DE-generating load connects to the "Sub" terminal of the DNA filter.

Hot circuits MUST BE fused at or below the DNA Line Filter spec.