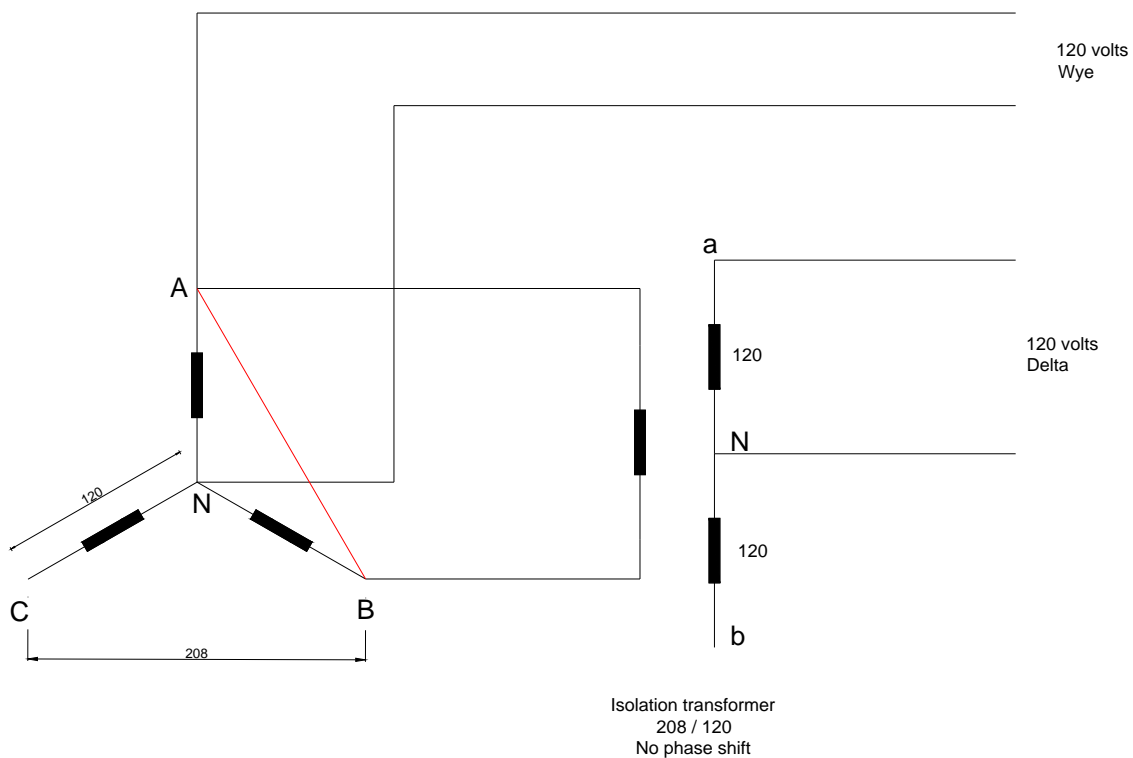
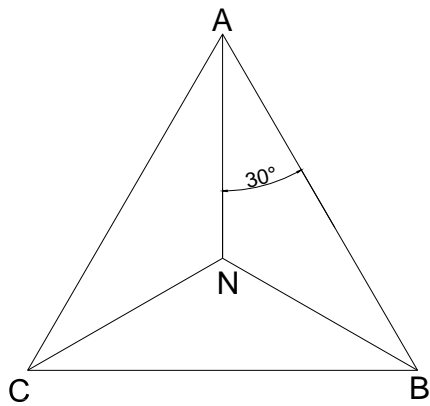


A standard representation of a delta / wye . There is a thirty degree phase shift between the delta a and the wye legs.



The situation you have. The UPS has been taken out and the static switch considered a short circuit. You then have to measure the voltage between the A and the 'a'. Note that the single phase transformer doesn't have a phase shift, so the output will be in phase with the A – B of the secondary of the mains transformer. I haven't shown the primary because it has got SFA to do with the problem.

Below is showing the result. 'A' lead 'a' by 30 degrees. Both legs are 120 volts. There is a 62 volts difference between the two.

