Section 7 – Energy Distribution and Control

7. General Description

The energy distribution circuits on the transmitter can be configured on the following possibilities:

- 208V_{AC} -220 V_{AC} – 240 V_{AC} mono-phase.
- 208V_{AC} -220 V_{AC} – 240 V_{AC} bi-phase.
- 208V_{AC} -220 V_{AC} – 240 V_{AC} three-phase.
- 360V_{AC} three-phase.

Fig.7.1: Energy Distribution – Bipolar Main Breaker on left, manual starter on the center and module 4147 – battery charger.

In all versions above, the NEUTRAL wire is present, however not always connected and so no need to integrate it within the grounding system of the station. It is however MANDATORY to connect the neutral cable on the 208Vac mono-phase, and 360Vac three-phase.

WARNING: Do not operate without the GROUND connection. The absence of grounding is risky for personnel SAFE, equipment reliability besides jeopardize the quality of the DTV transmission.

7.1. Energy AC Mains Connection

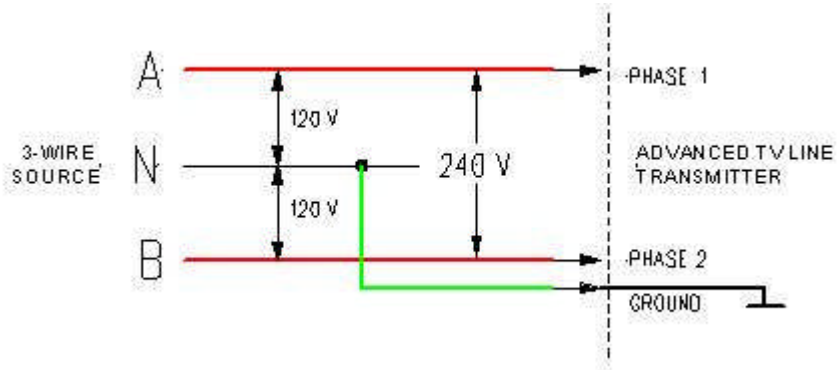

Fig.7.2: Typical 3 wires bi-phase AC energy source connection diagram

OPTION 1 – INTERLOCK CLOSED BY A JUMPED WIRE

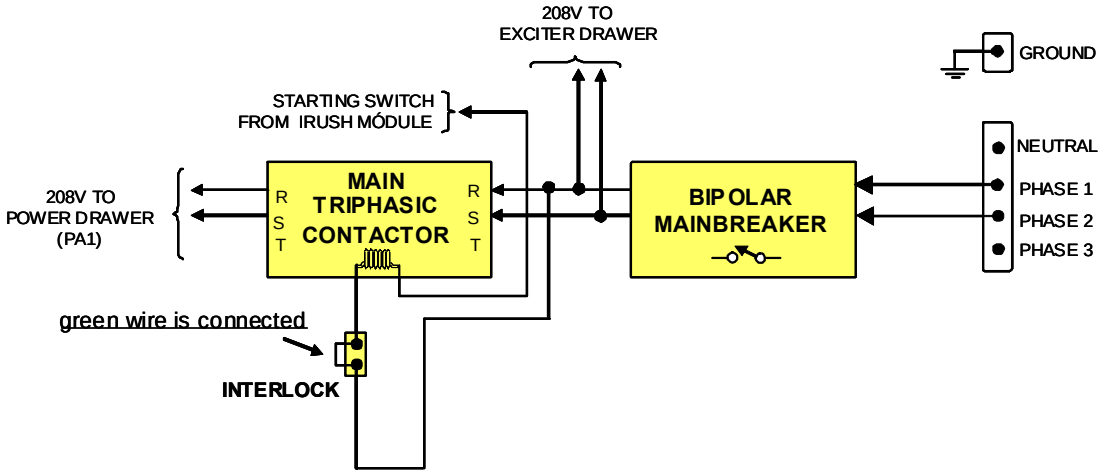

Fig. 7.3: Bi-phases type energy ADVANCE TV LINE internal up-front connection diagram, no isolation power-transformer required.