

## **SR469 DO's and Don'ts**

### **DO'S**

- **Always check the power supply rating before applying power to the relay.**

Applying voltage greater than the maximum rating to the power supply (eg. 120VAC to the low-voltage rated power supply) could result in component damage to the relay's power supply. This will result in the unit no longer being able to power up.

- **Ensure that the SR469 nominal phase current of 1 A or 5 A matches the secondary rating and the connections of the connected CTs.**

Unmatched CTs may result in equipment damage or inadequate protection.

- **Ensure that the source CT and VT polarity match the relay CT and VT polarity.**

Polarity of the phase CTs is critical for Negative Sequence Unbalance calculation, power measurement, and residual ground current detection (if used).

Polarity of the VTs is critical for correct power measurement and voltage phase reversal operation.

### **DON'T**

- **Grounding of the RTD's should not be done in two places.**

When grounding at the SR469, only one Return lead need be grounded as all are hardwired together internally. No error will be introduced into the RTD reading by grounding in this manner. Running more than one RTD Return lead back will cause significant errors as two or more parallel paths for return have been created.

- **Apply direct voltage to the Digital Inputs**

There are 9 digital inputs that are designed for dry contact connections only. By applying direct voltage to the inputs, it may result in component damage to the digital input circuitry.