

iii) Transformer Differential Protection with Digital Relays

Most digital relays have correction factors and other algorithms to compensate for the phase shift between Delta-Wye transformers, and the Tap setting is relatively simple. The CTs are almost always connected in Wye and the Tap setting calculation is very similar to the simple differential protection described previously. Figure 2-6 displays the same transformer described in Figure 2-5 with a digital relay.

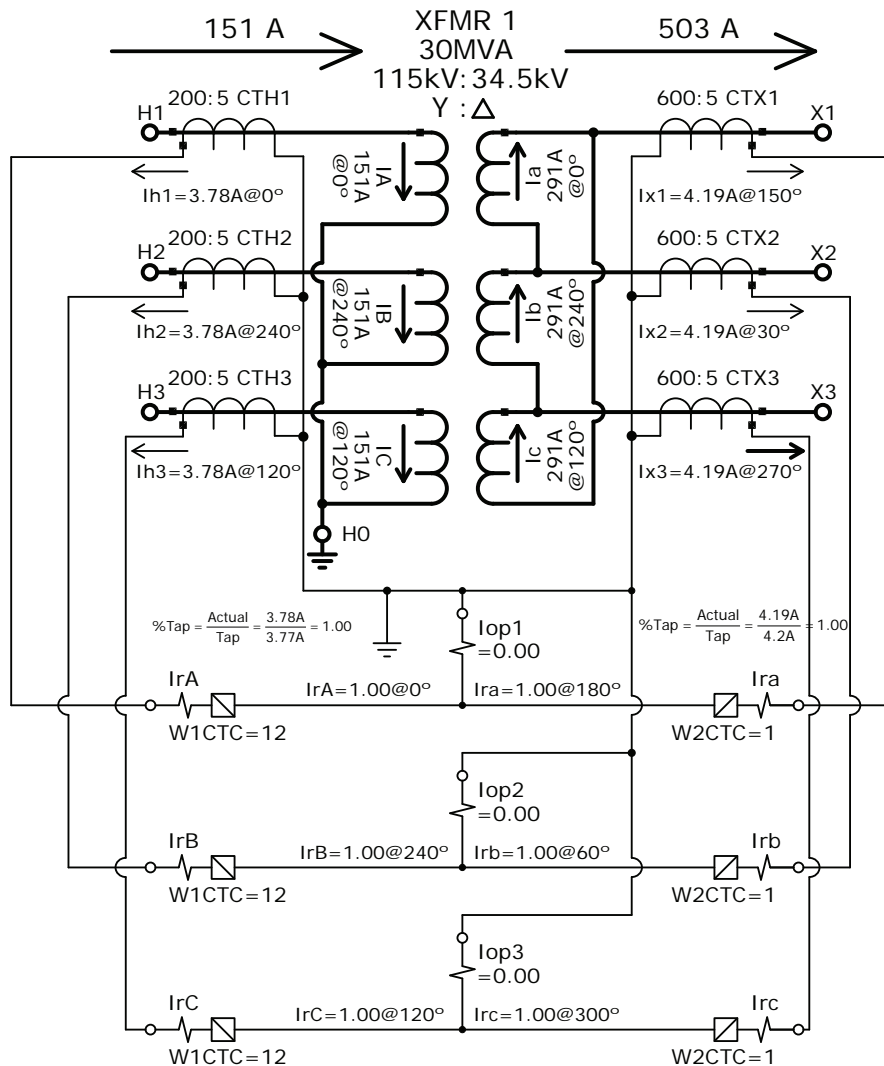


Figure 2-6: Wye-Delta Transformer Differential Protection Using Relay Settings