104.0

Two of our customers have had problems with the SLR Reclosing Relay and it's sequential timing function.

Mr. R. (Bob) Dupuy, the designer of the relay in P.S.M., after analyzing the relay's logic, has determined that the relay is seeing a pulse on its "Breaker Open" sensing input just after the breaker has closed. This started it to timing the next reclosing, but when that timed out the breaker would already be closed (since the breaker had not really opened and the reset timer would then start.)

The problem turns out to be a spike generated by the shut-off of the closing spring solenoid in the breaker mechanism. This signal is able to get to the SLR input because the relay's sensing circuit and its output circuit shares a single "B" contact in the breaker auxiliary switch.

The solution to this problem where it exists is to separate these circuits per the attached marked up Instruction Book Connection Diagram.

A customer listing of all Power/Vac customers who have this SLR circuit in their equipment is attached.

A&ESO Service Managers should discuss this information with local sales personnel to decide who will contact the proper individuals in the customer's organization to inform them of the possibility of this problem being in their equipment and the solution to the problem if it does exist.