

Technical Notes

Enhancing the 750/760 Transfer Scheme for Incomer and Tie Breaker

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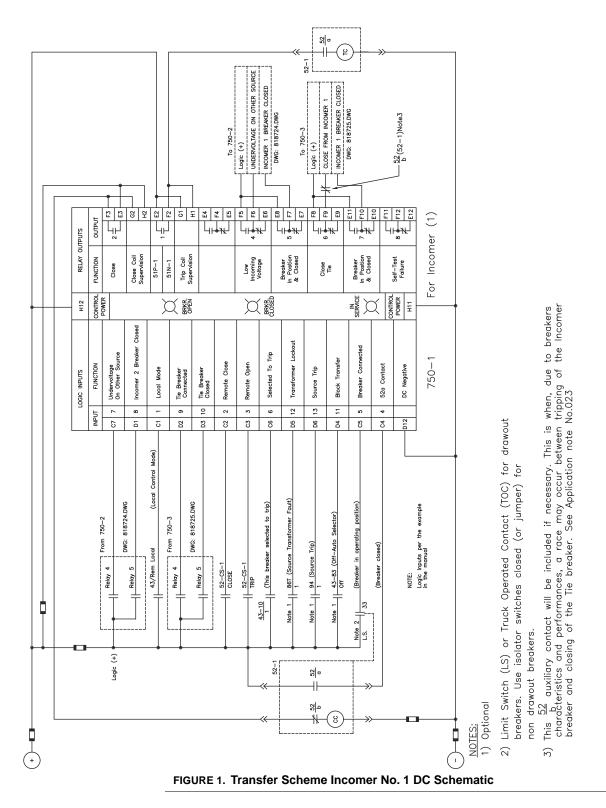
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PROBLEM

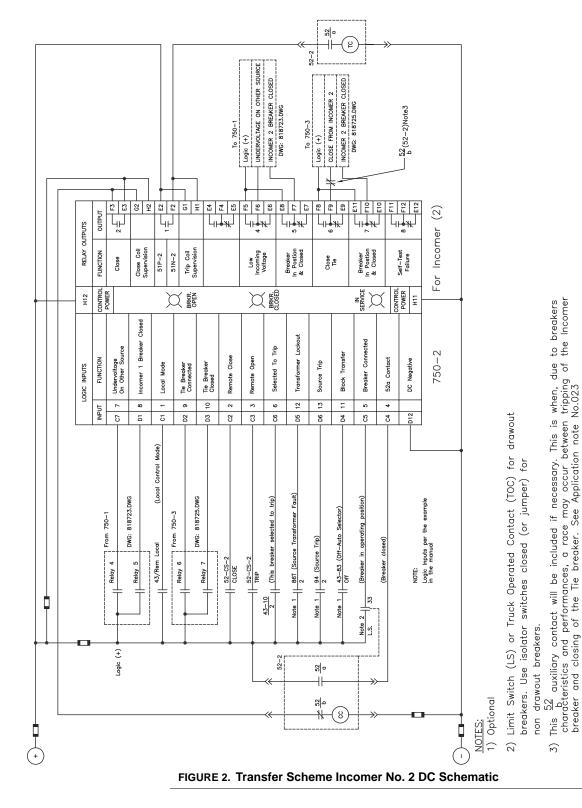
In some situations the tie breaker, if "selected to trip", will trip shortly after it has been closed by the transfer scheme. This may happen either because the tie breaker closing time is short compared to the incomer breaker trip time, or because the incomer breaker's auxiliary contacts are slow.

SOLUTION

The problem can be solved connecting an auxiliary contact type 52/b in series with the output contact from Auxiliary Relay No. 6 in Figures 1 and 2 below. In this way the close command will be sent to the tie breaker only after the incomer from the lost source has tripped. The output type of Auxiliary Relay No. 6 must be set as "Pulse" and the pulse dwell time must be long enough to ensure correct operation of the scheme (longer than the incomer breaker trip time).



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